
2024 Cultivar Trials of Bedding Plants



Celosia-September



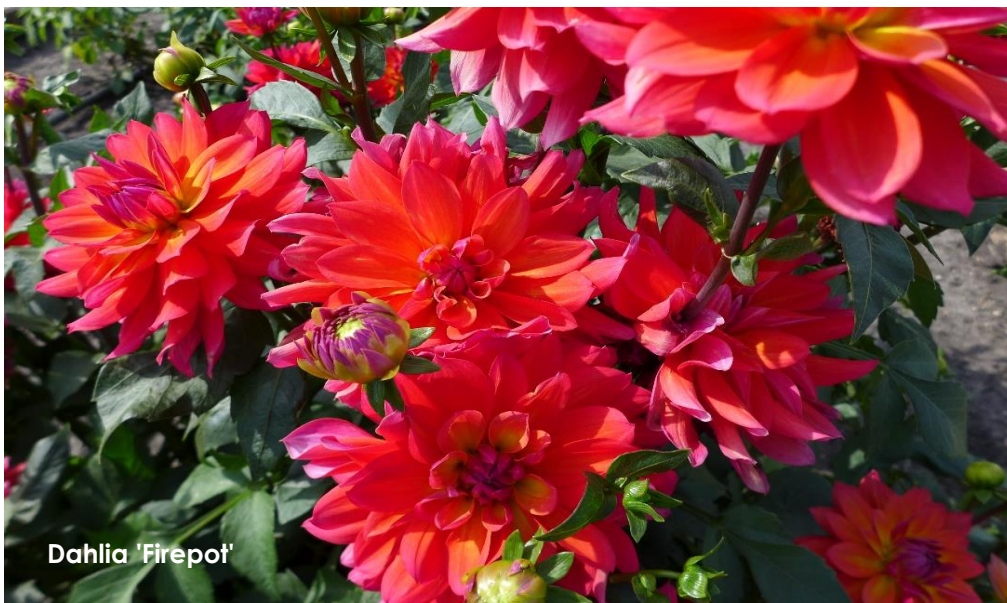
Impatiens and Begonias-September

Horticulture Research and Demonstration Gardens
Department of Plant Sciences

North Dakota State University
Agricultural Experiment Station
Fargo, ND

Table of Contents

Introduction	3
Garden Areas	3
Culture	6
Evaluation Information	8
Star Performers	8
All-America Selections	9
Acknowledgements	9
Contact Information	9
Report Table with Cultivar Pictures, Notes and Measurements	10
Seed/Plant Source List	70



2024 Cultivar Trials of Bedding Plants

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Introduction

Performance trials were conducted on over 200 bedding plants in the Horticultural Demonstration and Research plots, part of the Department of Plant Sciences at North Dakota State University.

The research area is located on the corner of 12th Ave. and 18 St. N on the west edge of the NDSU campus. This area is for education, research and display purposes and is open to the public, free of charge, throughout the growing season. Visitors can walk through on their own or request a guided tour. Contact information for the gardens is located on page 9.

Garden Areas

Bedding Plant Trials: These gardens are located directly off the small parking area on the east side of the gardens. This is an official display garden of All-America Selections (AAS); more information on this organization is on page 8.

Accessibility Garden: These raised beds are designed for gardeners who may be wheelchair bound or otherwise unable to bend or garden in ground level beds. This area is located directly off the parking area adjacent to 18th Street. *Celosia*, *Petunias*, *Gaura*, *Colocasia*, *Verbena* and *Melinis* were planted here in 2024.



Shade planting: This is a dry, shady area located within a grove of poplar and pine trees. Perennials and shade tolerant annuals, such as impatiens and begonias, share this area.



Garden Areas (continued)

Daylilies: Almost 2000 daylily cultivars are located in this area on the western edge of the gardens. This is an official garden of the American Daylily Society and was the First Public American Hemerocallis Society Historic Daylily Display Garden. The majority of the cultivars are historic or registered with the society prior to 1994. Visit this area in July to see the peak bloom.



Meadow Garden: This area consists of grasses and forbs native to the prairies of the upper Midwest. *Schizachyrium* (little bluestem), *Sporobolus* (prairie drop seed), *Stipa* (needle grass), *Echinacea* (coneflowers), *Symphotrichum* (asters), *Liatris* (blazing stars) and *Geum* (prairie smoke) are some of the plants in this area.



Perennial Ornamental Grasses: Both native and non-native perennial grasses are located here. *Schizachyrium* (little bluestem), *Calamagrostis* (feather reed grass), *Miscanthus* (Japanese silver grass) and *Andropogon* (big bluestem) are some of the plants here.



Garden Areas (continued)

Xeric Planting: This area consists of plants that are low maintenance and require less water once established. *Salvia yangii* (Russian sage), *Echinacea*, *Nepeta* (catmint) and *Baptisia* (false indigo) are some of the genera represented.



Sun/Shade perennials: This area receives both sun and shade so it includes perennials that are tolerant of different light conditions. Some genera here, such as *Hosta* cultivars, are also planted in the full shade area for comparison.



Darwin Perennials hardiness trials: Darwin Perennials (a division of Ball Horticultural Company) has been sending perennials to the NDSU horticulture gardens since 2015 to evaluate for cold hardiness. *Echinacea*, *Veronica* (speedwell), *Hylotelephium* (sedum), *Aquilegia* (columbine) and *Salvia* (sage) are some of the genera that have been tested.



Garden Areas (continued)

Small ornamental shrubs: This small shrub demonstration area was added in June of 2021. Genera here include *Berberis* (barberry), *Diervilla* (bush honeysuckle), *Physocarpus* (ninebark), *Potentilla* (shrubby cinquefoil), *Spirea* (spirea), *Syringa* (lilac), and *Weigela* (weigela).



Memorial Perennial Plant of the Year Bed: This Perennial Plant Association Perennial Plant of the Year bed (perennialplant.org/page/PPOY) was officially dedicated on July 28, 2023 in memory of Tanya Lita Chalimonczyk who passed away in 2020. Tanya graduated from NDSU with a degree in horticulture in 1978 and continued her gardening journey in Colorado where she was a Master Gardener in Larimer County. Her family is sponsoring this garden to honor her memory.



Bedding Plant Trials Culture

The plants for the trials were seeded in the horticulture and forestry greenhouse on the NDSU campus from January through April. Specific seeding dates can be found in the report table on pages 10-69. When at the proper stage, seedlings were transplanted into cell packs containing a peat-based growing medium and finished in the greenhouses.

Colocasia 'Royal Hawaiian® Waikiki', *Petchoa* 'EnViva™ Pink', *Petunia* 'Bees Knees', and geranium 'Big EEZE Pink Batik' were received as rooted cuttings on April 18. They were potted into cell packs with the same peat-based growing medium used for the seed started cultivars.

Six to 12 plants of each cultivar were planted into the sun beds and shade beds on June 6-12. The All-America Selections bed was planted June 13 and accessibility bed was planted on June 14.

Hand weeding was done on a weekly basis but Razor® Pro¹ (glyphosate) was used for spot treating perennial weeds.

Miracle-Gro® Liquafeed 12-4-8 was foliarly applied as follows: June 21-sun, shade, AAS bed and handicapped bed; July 12-all areas; July 26-handicapped beds and pots.

Water was applied through drip irrigation (full sun beds) and overhead irrigation (shade beds and All-America Selections bed).

¹ Disclaimer-Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by NDSU or the ND Agriculture Experiment Station is implied.

Bedding Plant Trials Culture (continued)

Weather

Fargo temperatures for July and August were warmer than the 30 year average. Precipitation was higher in June but lower in July; August was average. (Table 1). May precipitation was also higher than the 30 year average but is not shown on Table 1.

Table 1. 2024 and 1991-2020 June-August Average Temperature and Precipitation for Fargo, ND.

	Average Temperature (°F)		Precipitation (inches)	
	2024	1991-2020	2024	1991-2020
June	66	66.8	4.49	4.29
July	73	70.7	1.78	3.07
August	69	68.8	2.62	2.6

Temperature and precipitation data are from NDAWN and the National Climatic Data Center.

Problems

Fargo received 7.68" of rain between May 1 and June 4. Flooded beds delayed planting by about a week and some of the beds were unable to be tilled before planting. More rain in June caused flooding of beds where petunias, celosia and zinnia were planted in. Some of the petunias did not perform as well as they usually do but the zinnia and celosia did alright.



Powdery mildew was also a big problem on the zinnia this year. There were very few cultivars that were not affected by this. Specific ones are listed in the report table (pages 10-69).

Events

The annual garden day titled 'Plants, Local Foods and Outdoor Spaces' was held on July 30. Tours of the gardens were given and numerous seminars were held during the afternoon. Willing attendees were given pink flags to mark their two favorite sun annuals. 100 total flags were put out and the two winners with 5 flag votes each were Lisianthus 'Arena III Apricot' (pictured below-left) and Verbena 'Vanity' (below-right). Many cultivars received 1-2 flags. Pink flags by cultivars names in the report table (pages 10-69) indicate the number of votes received.



Evaluation Information

Plants were evaluated August 8 and September 4 and 5. Measurements for average height and spread were taken and plants were observed for general overall performance. Measurements and notes for each cultivar can be found on pages 10-69. Stars in the corners of the photos in the report indicate a top performer during that evaluation time.

The following cultivars received stars for **both** evaluation times and are considered star (superior) performers.

2024 Star Performers (listed alphabetically by genus):

<i>Agastache</i> 'Summerlong™ Coral'	<i>Ipomoea</i> 'Sidekick Lime Improved'
<i>Agastache</i> 'Summerlong™ Lemon'	<i>Pelargonium</i> (Geranium) 'Maverick Appleblossom'
<i>Angelonia</i> 'Serena Mix'	<i>Petunia</i> 'Bees Knees'
<i>Angelonia</i> 'Serena Rose'	<i>Petunia</i> 'Evening Scentsation'
<i>Angelonia</i> 'Serena White'	<i>Petunia</i> 'Tidal Wave® Red Velour'
<i>Capsicum annuum</i> 'NuMex Easter'	<i>Ptilotus exaltatus</i> 'Matilda'
<i>Catharanthus</i> (Vinca) 'Cora XDR Mix'	<i>Salvia farinacea</i> 'Evolution'
<i>Catharanthus</i> (Vinca) 'Tattoo Black Cherry'	<i>Salvia farinacea</i> 'Fairy Queen'
<i>Celosia</i> 'Burning Embers'	<i>Salvia hybrid</i> 'Big Blue'
<i>Celosia</i> 'Flamingo Purple'	<i>Salvia splendens</i> 'Gemstone Pink'
<i>Celosia</i> 'Ruby Parfait'	<i>Salvia splendens</i> 'Gemstone Purple'
<i>Cleome</i> 'Sparkler Mix'	<i>Salvia splendens</i> 'Gemstone Red'
<i>Gomphrena</i> 'Audray Purple-Red'	<i>Senecio</i> (Dusty Miller) 'Candicans'
<i>Gomphrena</i> 'Fireworks'	<i>Senecio</i> (Dusty Miller) 'New Look'
<i>Gomphrena</i> 'QIS Formula Mix'	<i>Tagetes</i> (American Marigold) 'Inca II Mix'
<i>Gomphrena</i> 'QIS™ Orange'	<i>Tagetes</i> (American Marigold) 'Park's Whopper Orange'
<i>Gomphrena</i> 'Strawberry Fields'	<i>Tagetes</i> (American Marigold) 'Park's Whopper Yellow'
<i>Impatiens</i> 'Solarscape™ Magenta Bliss'	<i>Verbena bonariensis</i>
<i>Impatiens</i> 'Solarscape™ XL Pink Jewel'	<i>Verbena bonariensis</i> 'Vanity'
<i>Impatiens</i> 'Solarscape™ XL Salmon Glow'	<i>Zinnia</i> 'Zesty Orange'
<i>Ipomoea</i> 'Bright Ideas Cordata Rusty'	<i>Zinnia</i> 'Profusion Lemon'
<i>Ipomoea</i> 'Sidekick Black'	<i>Zinnia</i> 'Profusion Red Yellow Bicolor'



All-America Selections

The NDSU trial garden is an official display garden of All-America Selections (AAS). AAS was founded in 1932 as a way for home gardeners to learn about new and improved cultivars of flowers and vegetables. AAS winners are usually superior cultivars that have been tested in a variety of locations across the United States and Canada. At NDSU, winning cultivars are grown in both the bedding plant trials and a separate garden dedicated solely to AAS winners. For more information visit: all-americaselections.org

Here are the AAS winners planted in the NDSU trials in 2024:

2021 Winner:	2023 Winners:
<i>Zinnia</i> 'Profusion Red Yellow Bicolor'	<i>Antirrhinum</i> (Snapdragon) 'DoubleShot™ Orange Bicolor'
2022 Winners :	<i>Colocasia</i> 'Royal Hawaiian® Waikiki'
<i>Begonia</i> 'Viking Explorer Rose on Green'	<i>Plectranthus</i> (Coleus) 'Premium Sun Coral Candy'
<i>Celosia</i> 'Flamma Orange'	2024 Winners:
<i>Petunia</i> 'Bee's Knees'	<i>Celosia</i> 'Burning Embers'
<i>Verbena</i> 'Vanity'	<i>Impatiens</i> 'Solarscape XL Pink Jewel'
	<i>Geranium</i> 'Big EEZE Pink Batik'
	<i>Petchoa</i> 'EnViva™ Pink'
	<i>Marigold</i> 'Siam Gold'



Acknowledgements

Thank you to supporters of the 2024 gardens including All-America Selections and Ball Horticultural Company. We are grateful for the support of these companies and hope information from our gardens is beneficial in their research for new and improved cultivars.

I'd also like to extend a special 'thank you' to Esther McGinnis, coordinator of the Master Gardener (MG) program, and the MG volunteers who provided over 150 hours of service from May through October. Their help, from spring clean-up to planting the trial gardens to summer maintenance and fall clean-up, is greatly appreciated. 'Thank you' also to Shauna Pederson Dubuque, our seasonal employee, for helping to keep things running smoothly throughout the summer.

Contact Information

For more information about the Horticultural Demonstration and Research plots at North Dakota State University, visit <https://www.ndsu.edu/agriculture/academics/academic-units/plant-sciences/research/horticulture-research-demonstration-gardens> or contact:

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Agastache x hybrida 'Arizona™ Sandstone'

seed source: Park Seed



Aug. 8 Height: 10-13" Spread: 10-16"



Sept. 4 Height: 15-16" Spread: 15-16"

Six plants were in the trials. These did well all season but looked especially nice at the end of the summer. These were started in the greenhouse on March 7.

Agastache x hybrida 'Arizona™ Sun'

seed source: Park Seed



Aug. 8 Height: 10-13" Spread: 12-14"



Sept. 4 Height: 14-15" Spread: 15-16"

Six plants were in the trials. These did well all season with good size uniformity. They looked especially nice at the end of the summer. These were started in the greenhouse on March 7.

Agastache x hybrida 'Arizona™ Sunset'

seed source: Park Seed



Aug. 8 Height: 10-13" Spread: 12-13"



Sept. 4 Height: 14-15" Spread: 15-16"

Four plants were in the trials. These had spider mites in August and powdery mildew in September. Despite those two issues, they looked ok. These were started in the greenhouse on March 7.

Agastache mexicana 'Summerlong™ Coral'

plant source: Darwin Perennials



Aug. 8 Height: 20-23" Spread: 18-20"



Sept. 4 Height: 21-24" Spread: 20-22"

Twelve plants were in the trials. These did well all summer with good bloom and vigor. They had a few spider mites but that didn't detract from their performance. Cuttings were received April 18.

Agastache mexicana 'Summerlong™ Lemon'

plant source: Darwin Perennials



Aug. 8 Height: 20-23" Spread: 18-20"



Sept. 4 Height: 22-24" Spread: 20-22"

Twelve plants were in the trials. These did well all summer with good bloom and vigor. They had a few spider mites but that didn't detract from their appearance. Cuttings were received April 18.

Agastache mexicana 'Summerlong™ Magenta'

plant source: Darwin Perennials



Aug. 8 Height: 12-14" Spread: 8-13"



Sept. 4 Height: 13-15" Spread: 8-16"

Twelve plants were in the trials. These were not as vigorous or healthy as the other two 'Summerlong' cultivars. They also had a bad spider mite infestation. Cuttings were received April 18.

Agastache rupestris -Giant Hyssop

seed source: Park Seed



Aug. 8 Height: 17-19" Spread: 21-22"



Sept. 4 Height: 22-24" Spread: 28-30"

Two plants were in the trials. They did well but looked especially nice in September. These were started in the greenhouse on March 7.

Ageratum houstonianum 'Aloha Blue'

seed source: Park Seed



Aug. 8 Height: 7-11" Spread: 8-13"



Sept. 5 Height: 8-12" Spread: 18-24"

Six plants were in the trials. These had great bloom but the *Rudbeckia* next to it got too big and crowded it. All *Ageratum* were started in the greenhouse on March 14.

Ageratum houstonianum 'Tall Blue Planet'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 18-20" Spread: 19-20"



Sept. 5 Height: 20-22" Spread: 24-26"

Six of these were in the trials. This had very nice bloom early but deadheads detracted in September.

Angelonia angustifolia 'Serena Mix'

seed source: Park Seed



Aug. 8 Height: 11-14" Spread: 14-17"



Sept. 5 Height: 14-16" Spread: 20-23"

Twelve plants were in the trials. These did well all season with good bloom, vigor and uniformity. These were started in the greenhouse on March 7.

Angelonia angustifolia 'Serena Rose'

seed source: Park Seed



Aug. 8 Height: 7-10" Spread: 8-11"



Sept. 5 Height: 7-15" Spread: 8-20"

Six of these were in the trials. They did well all season although there was one plant (not pictured) that was a bit smaller than the others. These were started on March 21.

Angelonia angustifolia 'Serena White'

seed source: Park Seed



Aug. 8 Height: 10-11" Spread: 16-18"



Sept. 5 Height: 12-14" Spread: 20-22"

Six plants were in the trials. They did well all season with good bloom, vigor and uniformity. These were started in the greenhouse on March 21.

Antirrhinum majus (Snapdragon) 'Black Prince'

seed source: Park Seed



Aug. 8 Height: 10-13" Spread: 13-15"



Sept. 4 Height: 15-18" Spread: 13-19"



Six of these were in the trials. They did well all season. All snapdragons were started in the greenhouse on March 28.

Antirrhinum majus (Snapdragon) 'DoubleShot™ Orange Bicolor'

seed source: All-America Selections



Aug. 8 Height: 13-14" Spread: 10-13"



Sept. 4 Height: 13-15" Spread: 12-15"



2023 All-America Selections (AAS) Flower From Seed Winner. Twelve of these were in the trials. Did well all season with good bloom and vigor.

Antirrhinum majus (Snapdragon) 'Johnny's Potomac Custom Mix'

seed source: Johnny's Selected Seeds



Aug. 8 Height: to 26" Spread: 10-14"



Sept. 4 Height: to 33" Spread: 10-12"

Twelve plants were in the trials. These bloomed well but many stalks were falling over.

Antirrhinum majus (Snapdragon) 'Monaco Orange'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 15-16" Spread: to 13"



Sept. 4 Height: to 24" Spread: 8-10"

Six plants were in the trials. These bloomed well but the stems fell over.

Antirrhinum majus (Snapdragon) 'Rocket Hybrid Mix'

seed source: Johnny's Selected Seeds



Aug. 8 Height: to 15" Spread: 10-13"



Sept. 4 Height: to 26" Spread: 10-12"

Twelve plants were in the trials but one plant died after planting. Bloom and color were good but stems fell over.

Antirrhinum majus (Snapdragon) 'Snaptini™ Mix'

seed source: Park Seed



Aug. 8 Height: 4-6" Spread: 6-8"



Sept. 4 Height: 5-6" Spread: 7-11"

Ten plants were in the trials. These short snapdragons did well; bloom was better in September.

Antirrhinum majus (Snapdragon) 'Twinny Appleblossom'

seed source: Park Seed



Aug. 8 Height: 5-8" Spread: 8-10"



Sept. 4 Height: 8-9" Spread: 10-12"

Four plants were in the trials. They did well with good bloom and size uniformity.

Asclepias curassavica 'Red Butterfly'

seed source: Burpee



Aug. 8 Height: to 33" Spread: to 27"



Sept. 5 Height: to 36" Spread: to 24"

Four plants were in the trials. They had good bloom and vigor early but were covered in aphids all summer. *Asclepias* were seeded in the greenhouse on March 7.

Asclepias incarnata 'Soulmate'

seed source: Johnny's Selected Seeds



Aug. 8 Height: to 30" Spread: to 20"



Sept. 5 Height: to 36" Spread: to 24"

Four plants were in the trials. They grew well but were covered in aphids all summer.

Asparagus densiflorus 'Sprengeri' FuzzyFern™ Frizz

seed source: PanAmerican Seed



Aug. 8 Height: 6-8" Spread: 20-24"



Sept. 4 Height: 8-10" Spread: to 30"

These were put into the 6 cement planters plus in the ground in the shade annuals area. They did well and worked good as a filler. They were started in the greenhouse on Feb. 8 2023 so were 1.5 years old.

Begonia benariensis 'Viking™ Explorer Rose on Green'

seed source: All-America Selections



Aug. 8 Height: 4-5" Spread: 5-10"



Sept. 4 Height: 5-6" Spread: 7-10"

2022 All-America Selections (AAS) Gold Medal Flower Winner. Nine plants were in the trials. These were small and not very vigorous.

Begonia interspecific 'Hula Pink'

seed source: PanAmerican Seed



Aug. 8 Height: 4-5" Spread: to 12"



Sept. 4 Height: 5-6" Spread: 12-14"

Twelve plants were in the trials. They did alright but were not as vigorous as previous years. Begonias were started in the greenhouse on January 18.

Begonia interspecific 'Hula Red'

seed source: PanAmerican Seed



Aug. 8 Height: 4-5" Spread: 10-12"



Sept. 4 Height: 4-6" Spread: 12-14"

Eleven plants were in the trials. This was the most vigorous 'Hula' begonia and did well all season.

Begonia interspecific 'Hula Red and White'

seed source: PanAmerican Seed



Aug. 8 Height: 4-5" Spread: 10-11"



Sept. 4 Height: 4-6" Spread: 12-14"

Eleven plants were in the trials. The red plants were more vigorous than the white.

Begonia interspecific 'Hula White'

seed source: PanAmerican Seed



Aug. 8 Height: 3-4" Spread: to 8"



Sept. 4 Height: 3-5" Spread: 12-14"

Six plants were put out but one was stolen soon after planting. They were nice plants but not too vigorous.

Begonia semperflorens-cultorum 'Pizzazz Mix'

seed source: Park Seed



Aug. 8 Height: 3-5" Spread: 5-7"



Sept. 4 Height: 5-6" Spread: 6-8"

Twelve plants were in the trials. Plants were small but had good bloom and good size uniformity.

Brassica oleracea 'Color Up Purple'

seed source: Park Seed



Aug. 8 Height: 15-20" Spread: 12-15"



Sept. 4 Height: 15-17" Spread: 16-18"

Six plants were in the trials. These had good vigor but were falling over. The *Brassica* were seeded in the greenhouse on March 28.

Brassica oleracea 'Crane Pink Hybrid'

seed source: Burpee



Aug. 8 Height: 12-14" Spread: 18-20"



Sept. 4 Height: 18-20" Spread: to 26"

Six plants were in the trials. These did alright and weren't falling over like 'Color Up Purple'. The high temperatures in the fall prevented much color from forming.

Calendula officinalis 'Oktoberfest'

seed source: Burpee



Aug. 8 Height: 28-30" Spread: 18-20"



Sept. 5 Height: to 32" Spread: to 28"

Six plants were in the trials. These vigorous plants had the best bloom in July. They were past peak bloom by August and starting to die by September. *Calendula* was seeded in the greenhouse on April 5.

Calendula officinalis 'Pacific Beauty Mix'

seed source: Park Seed



Aug. 8 Height: 34-36" Spread: 18-20"



Sept. 5 Height: to 32" Spread: to 28"

Twelve plants were in the trials. Best bloom was in July with a decrease in bloom in August and plants dying in September.

Capsicum annuum (Ornamental Pepper) 'NuMex Easter'

seed source: Park Seed



Aug. 8 Height: to 12" Spread: to 20"



Sept. 5 Height: 11-12" Spread: to 24"

Three plants were in the trials. They did well all season with good bloom, uniformity, vigor and lots of peppers. These were started in the greenhouse on March 7.

Catharanthus roseus (Vinca) 'Cora XDR Mix'

seed source: Park Seed



Aug. 8 Height: 10-11" Spread: 15-19"



Sept. 5 Height: 14-15" Spread: 20-22"

Twelve of these were in the trials. They did great all season with good bloom, vigor and size uniformity. Vinca were started in the greenhouse on March 7.

Catharanthus roseus (Vinca) 'Tattoo Black Cherry'

seed source: Park Seed



Aug. 8 Height: 9" Spread: 12"



Sept. 5 Height: 11-12" Spread: 16"

Six of these were in the trials. They did nicely all season with good bloom, vigor and size uniformity.

Catharanthus roseus (Vinca) 'Tattoo Tangerine'

seed source: Park Seed



Aug. 8 Height: 7-9" Spread: 10-13"



Sept. 5 Height: 10-12" Spread: 14-16"

Six of these were in the trials. They weren't quite as floriferous as the other two vinca early but filled in nicely by the end of the summer.

Celosia argentea 'Bright Sparks™ Mix' (plumosa group)

seed source: Park Seed



Aug. 8 Height: 9-12" Spread: 10-14"



Sept. 4 Height: 13-17" Spread: 12-17"

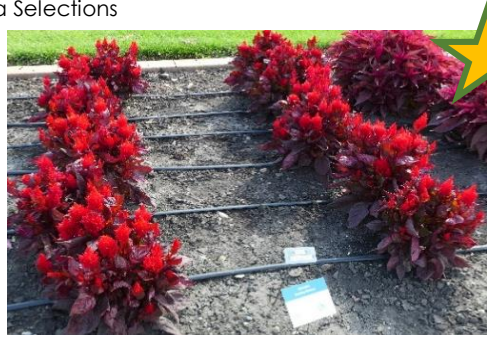
Twelve of these were in the trials. There was some variation in size early but the plants filled in nicely by the end of the summer. *Celosia* were started in the greenhouse on March 21.

Celosia argentea 'Burning Embers' (plumosa group)

seed source: All-America Selections



Aug. 8 Height: 11-12" Spread: 8-10"



Sept. 4 Height: 14-16" Spread: 13-14"

2024 All-America Selections (AAS) Flower From Seed Winner. Twelve of these were in the trials. They did well all season with good bloom, vigor and uniformity.

Celosia argentea 'Celway™ Purple' (spicata group)

seed source: Johnny's Selected Seeds



Aug. 8 Height: 26-29" Spread: 18-20"



Sept. 4 Height: to 36" Spread: to 20"

Six plants were in the trials. These had good vigor all season but bloom was best late August into September.

Celosia argentea 'Dragon's Breath' (plumosa group)

seed source: Park Seed



Aug. 8 Height: 9-15" Spread: 8-14"



Sept. 4 Height: 16-18" Spread: 16-20"

Six of these were in the trials. They were nice all season but varied in uniformity early.

Celosia argentea 'First Flame™ Purple' (plumosa group)

seed source: Park Seed



Aug. 8 Height: 6-12" Spread: 6-12"



Sept. 4 Height: 6-12" Spread: 6-14"

Six of these were in the trials. They lacked uniformity in size and vigor early. Filled out nicely by the end of the season but weren't as nice as other celosia.

Celosia argentea 'Flamingo Purple' (spicata group)

seed source: Johnny's Selected Seeds



Aug. 8 Height: 21-37" Spread: to 23"



Sept. 4 Height: to 48" Spread: to 36"

Six plants were in the trials. They did well all season with good vigor, bloom and uniformity.

Celosia argentea 'Flamma Orange' (plumosa group)

seed source: All-America Selections



Aug. 8 Height: 6-10" Spread: 4-12"



Sept. 4 Height: 8-12" Spread: 7-14"

2022 All-America Selections (AAS) Flowers From Seed Winner. Twelve plants were in the trials but one died before the Aug. evaluation. Bloom was good but they lacked size uniformity.

Celosia argentea 'Gypsy Queen' (cristata group)

seed source: Burpee



Aug. 8 Height: 5" Spread: 5"



Sept. 4 Height: 6" Spread: 6"

Six of these were in the trials. They never grew much and stayed very small. Despite this, someone gave them a 'fan favorite' flag during the garden day event.

Celosia argentea 'Kimono Mix' (plumosa group)

seed source: Park Seed



Aug. 8 Height: 3-6" Spread: 3-10"



Sept. 4 Height: 3-8" Spread: 3-10"

There were ten of these in the trials and they did poorly all season. Only two seemed to establish and grow.

Celosia argentea 'Ruby Parfait' (spicata group)

seed source: Johnny's Selected Seeds



Aug. 8 Height: 24-25" Spread: to 24"



Sept. 4 Height: 28-30" Spread: to 36"

Six of these were in the trials and they did well all season with good bloom, vigor and uniformity.

Celosia argentea 'Sunday™ Mix' (plumosa group)

seed source: Johnny's Selected Seeds



Aug. 8 Height: 11-21" Spread: 12-18"



Sept. 4 Height: 12-36" Spread: 6-24"

Nine of these were in the trials. The individual plants looked nice but one was really small and there were other size and bloom differences all season.

Centaurea cyanus 'The Bride'

seed source: Burpee



Aug. 8 Height: to 29" Spread: to 19"



Sept. 5 Height: to 25" Spread: to 36"

Six of these were in the trials but they slowly died until there was only one by the September evaluation. The flowers were pretty puffballs of white. These were started in the greenhouse on April 12.

Chrysanthemum carinatum -Tricolor Daisy

seed source: Burpee



Aug. 8 Height: 22-24" Spread: 30-32"



Sept. 5 Height: to 23" Spread: to 36"

Six of these were in the trials. They had good vigor initially but there was some stem breakage and die-back by September. These were started in the greenhouse on March 21.

Cleome hassleriana 'Sparkler Mix'

seed source: Park Seed



Aug. 8 Height: 34-36" Spread: 24-26"



Sept. 4 Height: to 36" Spread: to 34"



There were twelve plants in the trials this year. They were nice all season with good bloom, vigor and uniformity. Cleome were seeded in the greenhouse on March 7.

Colocasia esculenta 'Royal Hawaiian® Waikiki'

plant source: All-America Selections



Aug. 8 Height: 10-20" Spread: 12-17"



Sept. 4 Height: 13-20" Spread: 16-25"

2023 All-America Selections (AAS) Ornamental Winner. These were planted in pots and in the ground. The ones in the ground had more vigor than the potted ones.

Cosmos bipinnatus 'Apricot Lemonade'

seed source: Park Seed



Aug. 8 Height: to 27" Spread: to 20"



Sept. 4 Height: to 20" Spread: to 30"

Six of these were in the trials. These slowly died off over the summer; only 2 were left by September. Cosmos were seeded in the greenhouse on April 12.

Cosmos bipinnatus 'Apricotta'

seed source: Park Seed



Aug. 8 Height: 20-33" Spread: 19-28"



Sept. 4 Height: to 30" Spread: to 40"

There were six plants in the trials. These did ok but the stems were breaking at the base and falling over. Two plants also died before the end of the season.

Cuphea procumbens 'Sweet Talk Lavender Splash'

seed source: PanAmerican Seed



Aug. 8 Height: 18-20" Spread: 14-16"



Sept. 4 Height: 18-20" Spread: 14-16"

Six plants were in the trials. These did alright but had some spider mite problems. *Cuphea* were started in the greenhouse on March 28.

Cuphea procumbens 'Sweet Talk Pink Deep'

seed source: PanAmerican Seed



Aug. 8 Height: 18-20" Spread: 16-20"



Sept. 4 Height: 14-16" Spread: 19-21"

Six of these were in the trials. They did alright but had some spider mite problems.

Cuphea procumbens 'Sweet Talk Red'

seed source: PanAmerican Seed



Aug. 8 Height: 18-20" Spread: 16-18"



Sept. 4 Height: to 17" Spread: to 21"

Six plants were in the trials. Bloom was nice but there were some spider mites.

Dahlia x hybrida 'Catching Fire'

tuber source: Gilbert H. Wild



Aug. 8 Height: 13" Spread: 8"



Sept. 4 Height: 13" Spread: 12"

One plant in the trials and it did poorly. Tuber was received on April 15 and potted on April 16.

Dahlia x hybrida 'Emory Paul'

tuber source: Gilbert H. Wild



Aug. 8 Height: 31" Spread: 17"



Sept. 4 Height: 6" Spread: 8"

One plant in the trials. Was doing well with good bloom before the main stem broke over. It did not rebloom. Tuber was received on April 15 and potted on April 16.

Dahlia x hybrida 'Encore'

tuber source: Gilbert H. Wild



Aug. 8 Height: 13" Spread: 22"



Sept. 4 Height: 27" Spread: 27"

One plant was in the trials. It wasn't very vigorous and didn't produce many blooms. Tuber was received on April 15 and potted on April 16.

Dahlia x hybrida 'Figaro Mix'

seed source: Park Seed



Aug. 8 Height: 7-16" Spread: 12-19"

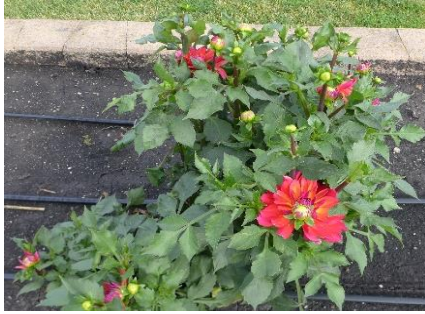


Sept. 4 Height: 13-20" Spread: 14-26"

Twelve plants were in the trials. Bloom and size were variable but there were lots of flowers and the plants were vigorous. Seeds were started in the greenhouse on March 7.

Dahlia x hybrida 'Firepot'

tuber source: Gilbert H. Wild



Aug. 8 Height: 23" Spread: 25"



Sept. 4 Height: 30" Spread: 36"

One plant was in the trials. This was one of the nicer Dahlias with good bloom and vigor. The tuber was received April 15 and potted up on April 16.

Dahlia x hybrida 'Fleurel'

tuber source: Gilbert H. Wild



Aug. 8 Height: 23" Spread: 14"



Sept. 4 Height: 21" Spread: 14"

One plant in the trials. Small plant but blooms were large. The tuber was received April 15 and potted up on April 16.

Dahlia x hybrida 'Phoenix'

tuber source: Gilbert H. Wild



Aug. 8 Height: 10" Spread: 15"



Sept. 4 Height: 17" Spread: 20"

One plant was in the trials. This one never bloomed. The tuber was received April 15 and potted up on April 16.

Dahlia x hybrida 'Smokey'

tuber source: Gilbert H. Wild



Aug. 8 Height: 33" Spread: 16"



Sept. 4 Height: 20" Spread: 36"

One plant in the trials. It wasn't very vigorous and didn't bloom much. The tuber was received April 15 and potted up on April 16.

Dahlia x hybrida 'Thomas A. Edison'

tuber source: Gilbert H. Wild



Aug. 8 Height: 22" Spread: 28"



Sept. 4 Height: 30" Spread: 36"

One plant in the trials. It was one of the better dahlias with decent vigor and bloom although some stems fell over. The tuber was received on April 15 and potted on April 16.

Dianthus barbatus 'Dart Pink Magician'

seed source: PanAmerican Seed



Aug. 8 Height: 3-5" Spread: 3-7"



Sept. 4 Height: 4-5" Spread: 5-6"

Twelve plants in the trials. The 'Dart' series is a smaller dianthus and these were the least vigorous of that series. The 'Dart' *Dianthus* were all started in the greenhouse on March 14.

Dianthus barbatus 'Dart Purple'

seed source: PanAmerican Seed



Aug. 8 Height: 5-7" Spread: 5-8"



Sept. 4 Height: 6-8" Spread: 6-9"

Twelve plants were in the trials. These did a bit better than 'Dart Pink Magician' but not as well as other 'Dart' dianthus.

Dianthus barbatus 'Dart Red White Picotee'

seed source: PanAmerican Seed



Aug. 8 Height: 4-7" Spread: 4-8"



Sept. 4 Height: 4-8" Spread: 7-11"

Twelve plants were in the trials. They had nice flowers but a few plants were less vigorous than others.

Dianthus barbatus 'Dart Scarlet'

seed source: PanAmerican Seed



Aug. 8 Height: 7-8" Spread: 7-8"



Sept. 4 Height: 12" Spread: 7"

Twelve plants were in the trials. This was the most vigorous 'Dart' dianthus in the trials.

Dianthus barbatus 'Dart White'

seed source: PanAmerican Seed



Aug. 8 Height: 7-8" Spread: 8-9"



Sept. 4 Height: 7" Spread: 10"

Twelve plants were in the trials. This was another of the nicer 'Dart' dianthus with good bloom and vigor.

Dianthus interspecific 'Rockin™ Pink Magic'

seed source: PanAmerican Seed



Aug. 8 Height: 13-15" Spread: 14-16"



Sept. 4 Height: 14-18" Spread: 15-16"

There were twelve of these in the trials. They had very good bloom through August. The picture from Sept. (above) was taken shortly after they were deadheaded. These were seeded on January 18.

Dianthus interspecific 'Jolt™ Pink'

seed source: Burpee Seed



Aug. 8 Height: 13-14" Spread: 13-14"



Sept. 4 Height: to 14" Spread: 11-15"

Six plants were in the trials. Very nice bloom all season but there were some size differences. The 'Jolt' dianthus were seeded in the greenhouse on March 14.

Dianthus interspecific 'Jolt™ Pink Magic'

seed source: Burpee Seed



Aug. 8 Height: 10-11" Spread: 10-11"



Sept. 4 Height: to 13" Spread: 10-11"

Six plants were in the trials. Nice bloom all season.

Dianthus interspecific 'Supra Pink'

seed source: All-America Selections



Aug. 8 Height: 6-12" Spread: 8-13"



Sept. 4 Height: 7-11" Spread: 8-11"

Six of these were in the trials. Bloom was very good but there were some size differences. The picture from Sept. was taken after they were deadheaded. These were started in the greenhouse on March 14.

Echinacea x hybrida 'Paradiso Tall Mix'

seed source: Johnny's Selected Seed



Aug. 8 Height: 11-20" Spread: to 13"



Sept. 4 Height: to 34" Spread: to 18"

Twelve plants were in the trials. Didn't start blooming until mid-August but had nice bloom in September. Some Aster Yellows was present in September. Echinacea was seeded on January 18.

Echinacea purpurea 'Prairie Blaze Green'

seed source: Park Seed



Aug. 8 Height: 9-10" Spread: 10-12"



Sept. 4 Height: 17" Spread: 12"

Six plants were in the trials. They were slow to bloom but looked really nice by September.

Echinacea purpurea 'Prairie Blaze Vintage Lime'

seed source: Park Seed



Aug. 8 Height: 6-15" Spread: 12-15"



Sept. 4 Height: 8-26" Spread: 12-20"

Six of these were in the trials. Slow to bloom but nice in September. They weren't uniform in size and there was some Aster Yellows showing up in September.

Eucalyptus cinerea 'Silver Dollar'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 28-31" Spread: 10-12"



Sept. 4 Height: to 30" Spread: to 20"

Six plants were in the trials. The stems were falling over and the basil next to it was overtaking it. Eucalyptus were seeded in the greenhouse on January 18.

Eucalyptus kruseana 'Book-leaf Mallee'

seed source: Johnny's Selected Seeds



Aug. 8 Height: to 25" Spread: to 16"



Sept. 4 Height: to 33" Spread: to 30"

Six of these were in the trials. It was the bushiest eucalyptus in the trials and wasn't falling over as much as 'Silver Dollar'.

Eucalyptus pulverulenta 'Baby Blue'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 18-20" Spread: 10-12"



Sept. 4 Height: to 20" Spread: to 20"

Six of these were in the trials. These stems were falling over and there were leaf spots on this cultivar.

Euphorbia marginata -Mountain Snow

seed source: Johnny's Selected Seeds



Aug. 8 Height: 26-36" Spread: to 20"



Sept. 4 Height: 28-42" Spread: to 36"

Four of these were in the trials. Plant supports were used to keep the plants from falling over. They did very well although there were some size differences. These were seeded on Feb. 9.

Eustoma grandiflorum (Lisianthus) 'Arena III Apricot'

seed source: Johnny's Selected Seeds



Aug. 8 Height: to 22" Spread: 9-10"



Sept. 4 Height: 19-20" Spread: to 12"

Twelve plants were in the trials. They had really good bloom all season although a few stems were falling over. All lisianthus was seeded in the greenhouse on January 18.

Eustoma grandiflorum (Lisianthus) 'Arena III Baby Pink'

seed source: Johnny's Selected Seeds



Aug. 8 Height: to 20" Spread: 9-10"



Sept. 4 Height: 19-22" Spread: 12-14"

Twelve plants were in the trials. These had good bloom on sturdy stems all season.

Eustoma grandiflorum (Lisianthus) 'Arena III Red'

seed source: Johnny's Selected Seeds



Aug. 8 Height: to 23" Spread: 9-10"



Sept. 4 Height: to 22" Spread: to 10"

Twelve plants were in the trials. They had good bloom on sturdy plants.

Eustoma grandiflorum (Lisianthus) 'Cessna Rose'

seed source: Park Seed



Aug. 8 Height: 15-17" Spread: 9-10"



Sept. 4 Height: to 22" Spread: 10-12"

Twelve plants were in the trials. These had good bloom but some of the stems fell over under the weight of the blooms.

Eustoma grandiflorum (Lisianthus) 'Cessna White'

seed source: Park Seed



Aug. 8 Height: 15-17" Spread: 9-10"



Sept. 4 Height: 9-20" Spread: 6-10"

Twelve of these were in the trials. Good bloom but some stems were falling over. There were two sickly plants in September.

Eustoma grandiflorum (Lisianthus) 'Doublini Blue'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 15-17" Spread: 9-10"



Sept. 4 Height: 20-22" Spread: to 12"

Twelve of these were in the trials but one died before August. These had really good bloom on sturdy stems.

Eustoma grandiflorum (Lisianthus) 'Doublini White'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 12-15" Spread: 5-8"



Sept. 4 Height: 14-16" Spread: 9-12"

Twelve of these were in the trials. They had really good bloom on sturdy stems.

Eustoma grandiflorum (Lisianthus) 'Voyage 2 Blue'

seed source: Johnny's Selected Seeds



Aug. 8 Height: to 20" Spread: 8-10"



Sept. 4 Height: 16-20" Spread: 9-10"

Twelve of these were in the trials. Bloom was good but some of the stems fell over due to the weight of the blooms.

Eustoma grandiflorum (Lisianthus) 'Voyage 2 Champagne'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 7-12" Spread: 7-10"



Sept. 4 Height: 15-24" Spread: 10-12"

Twelve of these were in the trials. Blooms were nice but these weren't as floriferous as the other 'Voyage' lisianthus.

Eustoma grandiflorum (Lisianthus) 'Voyage 2 First Love'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 12-18" Spread: 7-10"



Sept. 4 Height: 19-20" Spread: 10-12"

Twelve of these were in the trials. Pretty white blooms with a pink blush. Good bloom but some stems were falling over.

Eustoma grandiflorum (Lisianthus) 'Voyage 2 Lavender'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 14-15" Spread: 8-10"



Sept. 4 Height: 17-20" Spread: 10-12"

Twelve plants were in the trials. Nice bloom but some stems were falling over.

Eustoma grandiflorum (Lisianthus) 'Voyage 2 Light Apricot'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 14-15" Spread: 7-10"



Sept. 4 Height: 11-17" Spread: 10-12"

Twelve plants were in the trials. These had good bloom on sturdy stems, especially at the beginning of August. Bloom had declined some by September.

Eustoma grandiflorum (Lisianthus) 'Voyage 2 Pink Improved'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 16-17" Spread: 8-10"

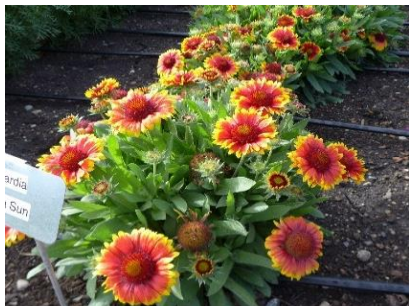


Sept. 4 Height: 11-20" Spread: 8-10"

Twelve plants were in the trials. These were very nice early with good bloom on sturdy stems. Some of the stems were falling over in September and bloom wasn't as nice.

Gaillardia grandiflora 'Arizona Sun'

seed source: Park Seed



Aug. 8 Height: 10-11" Spread: 7-15"



Sept. 5 Height: 7-12" Spread: 13-30"

Six plants were in the trials. Bloom was really good but one plant was big. *Gaillardia* were started in the greenhouse on March 28.

Gaura lindheimeri 'Sparkle White'

seed source: Park Seed



Aug. 8 Height: 18-20" Spread: 13-15"



Sept. 4 Height: 20-22" Spread: 20-24"

These were planted in the accessible bed this year. They had good bloom and vigor. *Gaura* was started in the greenhouse on March 7.

Gomphrena globosa 'Audray Purple-Red'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 23-25" Spread: 15-17"



Sept. 4 Height: to 28" Spread: to 23"

Six plants were in the trials. These did well all season with good vigor, bloom and uniformity. *Gomphrena* were seeded in the greenhouse on April 5.

Gomphrena globosa 'Fireworks'

seed source: Burpee



Aug. 8 Height: to 36" Spread: to 33"



Sept. 4 Height: to 40" Spread: to 40"

Six plants were in the trials. These did well all season with good vigor, bloom and uniformity.

Gomphrena globosa 'QIS Formula Mix'

seed source: Johnny's Selected Seeds



Aug. 8 Height: to 24" Spread: to 24"



Sept. 4 Height: 30-36" Spread: to 36"

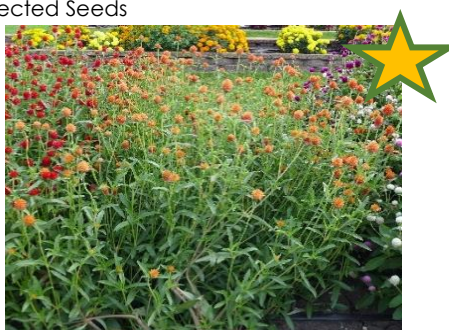
Twelve of these were in the trials. They did well with good bloom, vigor and uniformity.

Gomphrena globosa 'QIS™ Orange'

seed source: Johnny's Selected Seeds



Aug. 8 Height: to 24" Spread: to 24"



Sept. 4 Height: to 34" Spread: to 36"

Six of these were in the trials. They had good vigor and bloom but the color was a bit dull.

Gomphrena globosa 'Strawberry Fields'

seed source: Park Seed



Aug. 8 Height: 23-25" Spread: 22-24"



Sept. 4 Height: to 34" Spread: to 36"

Six plants were in the trials. They did well all season with good bloom, vigor and uniformity.

Hibiscus moscheutos 'Luna™ Mix'

seed source: Park Seed



Aug. 8 Height: 16-18" Spread: 18-20"



Sept. 4 Height: 16-20" Spread: 22-28"

Twelve of these were in the trials. They did well all season with good bloom and vigor. *Hibiscus* were seeded in the greenhouse on March 21.

Impatiens hybrida 'Solarscape™ Magenta Bliss'

seed source: PanAmerican Seed



Aug. 8 Height: to 14" Spread: to 22"



Sept. 4 Height: 19" Spread: 25"

Twelve of these were in the trials. They did really well all season with good bloom, vigor and uniformity. All 'Solarscape' impatiens were started in the greenhouse on January 29.

Impatiens hybrida 'Solarscape™ Orange Burst'

seed source: PanAmerican Seed



Aug. 8 Height: 2-12" Spread: 6-18"



Sept. 4 Height: 3-11" Spread: 7-23"

Twelve of these were in the trials. Bloom was good but a few plants were much smaller than the others.

Impatiens hybrida 'Solarscape™ Voodoo Mix'

seed source: PanAmerican Seed



Aug. 8 Height: 8-10" Spread: 13-16"



Sept. 4 Height: 9-11" Spread: 13-20"

Six plants were in the trials. These weren't blooming as well as the other 'Solarscape' impatiens in August but had nice bloom in September.

Impatiens hybrida 'Solarscape™ White Shimmer'

seed source: PanAmerican Seed



Aug. 8 Height: 9-11" Spread: 11-19"



Sept. 4 Height: 16" Spread: 27"

Twelve plants were in the trials. These had good vigor and were very uniform in size but were not as floriferous as other 'Solarscape' impatiens.

Impatiens hybrida 'Solarscape™ XL Lilac Spark'

seed source: PanAmerican Seed



Aug. 8 Height: 9-11" Spread: 11-19"



Sept. 4 Height: 16-18" Spread: 25-27"

Twelve plants were in the trials. These looked best in September with very good bloom and vigor.

Impatiens hybrida 'Solarscape™ XL Pink Jewel'

seed source: All-America Selections, PanAmerican Seed



Aug. 8 Height: 10-12" Spread: 18-20"



Sept. 4 Height: 16-18" Spread: 25-27"

2024 All-America Selections (AAS) Ornamental From Seed Winner. Twelve plants were in the trials. These were nice all season with good bloom, vigor and uniformity.

Impatiens hybrida 'Solarscape™ XL Salmon Glow'

seed source: PanAmerican Seed



Aug. 8 Height: 10-12" Spread: 18-20"



Sept. 4 Height: 16" Spread: 27"



Twelve of these were in the trials. Nice all season with good vigor, bloom and uniformity.

Impatiens walleriana 'Beacon® Bright Red'

seed source: PanAmerican Seed



Aug. 8 Height: 3-5" Spread: 7-10"



Sept. 4 Height: 3-5" Spread: 9-12"

Twelve plants were in the trials. These did alright but weren't very vigorous. All *Impatiens walleriana* were started in the greenhouse on March 14.

Impatiens walleriana 'Beacon® Coral Improved'

seed source: PanAmerican Seed



Aug. 8 Height: 2-4" Spread: 7-8"



Sept. 4 Height: 3-5" Spread: 8-12"

There were 12 of these in the trials. They had better bloom later in the summer.

Impatiens walleriana 'Beacon® Lipstick'

seed source: PanAmerican Seed



Aug. 8 Height: 3-5" Spread: 7-10"



Sept. 4 Height: 4-5" Spread: 10-12"

Twelve of these were in the trials. They had good bloom all summer but weren't as vigorous as they could have been.

Impatiens walleriana 'Beacon® Mix Chicago'

seed source: PanAmerican Seed



Aug. 8 Height: 3-5" Spread: 6-7"



Sept. 4 Height: 3-5" Spread: 8-9"

Twelve plants were in the trials. Nice color mix but these weren't very vigorous.

Impatiens walleriana 'Beacon® Mix Otway'

seed source: PanAmerican Seed



Aug. 8 Height: 3-5" Spread: 6-7"



Sept. 4 Height: 3-5" Spread: 8-10"

Twelve plants were in the trials. These were small but had good bloom.

Impatiens walleriana 'Beacon® Mix Pearl Island'

seed source: PanAmerican Seed



Aug. 8 Height: 3-4" Spread: 5-9"



Sept. 4 Height: 3-5" Spread: 8-10"

Twelve plants were in the trials. These were small but bloom was ok.

Impatiens walleriana 'Beacon® Orange'

seed source: PanAmerican Seed



Aug. 8 Height: 3-4" Spread: 7-11"



Sept. 4 Height: 4-5" Spread: 11-14"

Twelve plants were in the trials. This was one of the nicer *Impatiens walleriana*. It had good bloom all season and was a bit more vigorous than the others.

Impatiens walleriana 'Beacon® Rose'

seed source: PanAmerican Seed



Aug. 8 Height: 3-4" Spread: 7-9"

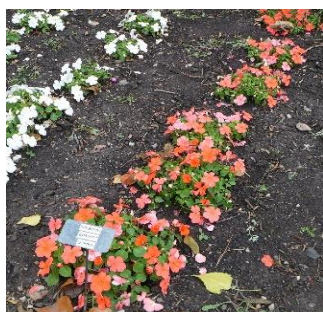


Sept. 4 Height: 3-5" Spread: 9-14"

Twelve plants were in the trials. Nice, bright flowers and had more vigor than some other *Impatiens*.

Impatiens walleriana 'Beacon® Salmon'

seed source: PanAmerican Seed



Aug. 8 Height: 3-4" Spread: 7-11"



Sept. 4 Height: 3-5" Spread: 10-15"

Six plants were in the trials. These had nice bloom all season.

Impatiens walleriana 'Beacon® Violet Shades'

seed source: PanAmerican Seed



Aug. 8 Height: 3-4" Spread: 6-10"



Sept. 4 Height: 3-5" Spread: 9-14"

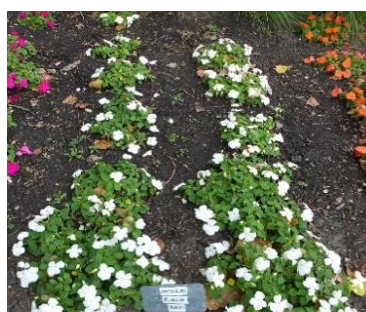
Twelve plants were in the trials. These did alright but weren't as floriferous or vigorous as some other *impatiens*.

Impatiens walleriana 'Beacon® White'

seed source: PanAmerican Seed



Aug. 8 Height: 2-4" Spread: 6-10"



Sept. 4 Height: 3-5" Spread: 8-13"

Twelve plants were in the trials. Size and bloom weren't uniform all season.

Ipomoea batatas (Sweet Potato Vine) 'Bright Ideas Cordata Rusty'

plant source: Horticulture and Forestry Club



Aug. 8 Height: to 14" Spread: to 24"



Sept. 4 Height: to 12" Spread: to 30"

Three plants were in the trials. Did well all season with good vigor.

Ipomoea batatas (Sweet Potato Vine) 'Sidekick™ Black'

plant source: Horticulture and Forestry Club



Aug. 8 Height: to 16" Spread: to 24"



Sept. 4 Height: 12-14" Spread: 24-30"

Three plants in the trials. Did well all season with good vigor.

Ipomoea batatas (Sweet Potato Vine) 'Sidekick™ Lime Improved'

plant source: Horticulture and Forestry Club



Aug. 8 Height: to 14" Spread: to 24"



Sept. 4 Height: 12-14" Spread: 25-30"

Three plants were in the trials. They did well all season although they had some bug damage throughout the summer.

Ipomoea nil 'Scarlet O'Hara'

seed source: Park Seed



Aug. 8 Spreading over 48"



Sept. 5 Spreading 48-60"

Three plants were in the trials. These were very vigorous but didn't have many blooms.

Ipomoea quamoclit -Cypress Vine Mix

seed source: Park Seed



Aug. 8 Vining 36-48"



Sept. 5 Vining 48-60"

There were 3 plants around each of 2 bamboo pyramids. These were very vigorous and had good bloom.

Limonium sinuatum (Statice) 'Johnny's Pastel Mix'

seed source: Johnny's Selected Seeds



Aug. 8 Height: to 33" Spread: to 24"



Sept. 4 Height: 24-36" Spread: 17-36"

Twelve plants were planted but one died. These weren't uniform in bloom or size. The colors were mostly peaches. The statice were started in the greenhouse on April 5.

Limonium sinuatum (Statice) 'Johnny's Statice Formula Mix'

seed source: Johnny's Selected Seeds



Aug. 8 Height: to 24" Spread: to 24"



Sept. 4 Height: 24-36" Spread: 18-40"

Eleven plants were in the trials. This was the nicest of the three statice cultivars in the trials.

Limonium sinuatum (Statice) 'Mixed Bold Colors'

seed source: Burpee



Aug. 8 Height: 6-21" Spread: to 21"



Sept. 4 Height: to 30" Spread: 30-36"

Twelve of these were in the trials but two died over the course of the summer. This was not uniform in bloom.

Linaria maroccana 'Licilia Peach'

seed source: Park Seed



Aug. 8 Height: 12-17" Spread: 10-14"



Sept. 4 Height: 10-11" Spread: 6-12"

Twelve of these were in the trials. They weren't uniform in bloom or size and were done blooming by August. These were seeded in the greenhouse on April 12.

Lobularia maritima 'Snow Crystals'

seed source: Park Seed



Aug. 8 Height: 7-8" Spread: 18-20"



Sept. 4 Height: 4-7" Spread: 18-20"

Six of these were in the trials. They looked really nice in August, looked poor in September and then perked up again in October. These were seeded in the greenhouse on April 5.

Matthiola incana 'Harmony Mix'

seed source: Burpee



Aug. 8 Height: 12-15" Spread: 6-10"



Sept. 5 Height: 10-13" Spread: 6-10"

Twelve of these were in the trials. They did poorly. The *Matthiola* was started in the greenhouse on March 7.

Matthiola incana 'Katz Fragrant Mix'

seed source: Burpee



Aug. 8 Height: 10-20" Spread: 6-16"



Sept. 5 Height: 10-24" Spread: 6-10"

Twelve of these were in the trials. They had no vigor and were being over-run by the Cypress vine.

Melinis nerviglumis -Savannah Grass

seed source: Johnny's Selected Seeds



Aug. 8 Height: 22-24" Spread: 22-24"



Sept. 4 Height: 22-24" Spread: 33-36"

Six of these were in the trials. They were doing well most of the summer but for some reason were falling over in the center in September. *Melinis* were started in the greenhouse on January 29.

Ocimum basilicum (Basil) 'Amethyst Improved'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 16-18" Spread: 18-24"



Sept. 4 Height: 18-21" Spread: 18-20"

Six plants were in the trials. They did well all summer. Basil was started on March 28.

Ocimum basilicum (Basil) 'Aromatto'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 28-30" Spread: 22-24"



Sept. 4 Height: 34-36" Spread: 18-20"

Six plants were in the trials. These did well all summer.

Ocimum basilicum (Basil) 'Everleaf Lemon'

seed source: PanAmerican Seeds



Aug. 8 Height: 27-30" Spread: 18-20"



Sept. 4 Height: 34-36" Spread: 28-30"

Twelve plants in the trials. These were doing really well but then some of the plants developed cracked stems that fell over.

Osteospermum ecklonis 'Akila Grand Canyon Mix'

seed source: Park Seed



Aug. 8 Height: 10-12" Spread: 11-14"



Sept. 4 Height: 14-20" Spread: 16-19"

Twelve of these were in the trials. Size was not uniform. Bloom was good early but tapered off. The *Melinis* was crowding the east row in September. *Osteospermum* was started February 9.

Osteospermum ecklonis 'Akila Sunset Shades'

seed source: Park Seed



Aug. 8 Height: 10-12" Spread: 10-13"



Sept. 4 Height: 9-10" Spread: 13-15"

Twelve plants were in the trials. Bloom was good in August but not as good in September. Sizes weren't uniform.

Pelargonium x hortorum (Geranium) 'Big EEZE Pink Batik'

plant source: All-American Selections



Aug. 8 Height: 4-8" Spread: 7-12"



Sept. 4 Height: 8-10" Spread: 10-12"

2024 All-America Selections (AAS) Vegetative Ornamental Winner. Twelve plants were in the trials. These were small but the flowers were an interesting color. Plants were received and potted on April 18.

Pelargonium x hortorum (Geranium) 'Border Mix'

seed source: Burpee



Aug. 8 Height: 7-10" Spread: 8-12"



Sept. 4 Height: 11-16" Spread: 12-16"

Eight of these were in the trials. They weren't uniform in size but had good bloom. The seed geraniums were started in the greenhouse on February 9.

Pelargonium x hortorum (Geranium) 'Maverick Appleblossom'

seed source: Park Seed



Aug. 8 Height: 12-13" Spread: 18-20"



Sept. 4 Height: 15" Spread: 22"

Six of these were in the trials. They had good bloom and uniformity all season.

Pelargonium x hortorum (Geranium) 'Maverick Orange'

seed source: Park Seed



Aug. 8 Height: 9-10" Spread: 10-11"



Sept. 4 Height: 11-12" Spread: 16-18"

Six plants were in the trials. They did well all season.

Pelargonium x hortorum (Geranium) 'Maverick Scarlet'

seed source: Park Seed



Aug. 8 Height: 12-13" Spread: 10-18"



Sept. 4 Height: 15-16" Spread: 21-22"

Six plants in the trials. They did well all season with good bloom and vigor.

Pennisetum glaucum 'Purple Majesty'

seed source: Park Seed



Aug. 8 Height: 36-42" Spread: 12-14"



Sept. 4 Height: to 48" Spread: to 12"

Twelve plants were in the trials. They did okay but never thrived. These were started in the greenhouse on April 5.

Petunia sp. x Calibrachoa sp. (Petchoa) 'Caliburst Yellow'

seed source: Park Seed



Aug. 8 Height: 3-4" Spread: 4-7"



Sept. 4 Height: 5-6" Spread: 5-6"

Six of these were in the trials. They did poorly but they were also in a bed that stayed very wet through the first part of the summer so that may have stunted them. Seeds were started on March 21.

Petunia sp. x Calibrachoa sp. (Petchoa) 'EnViva™ Pink'

plant source: All-America Selections



Aug. 8 Height: 3-4" Spread: 6-11"



Sept. 4 Height: 5-6" Spread: 8-12"

2024 All-America Selections (AAS) Flowers From Cuttings Winner. Twelve plants were in the trials. They were nice plants but slowed by the wet conditions of this bed in early summer. Plants were received and potted on April 18.

Petunia x hybrida 'Bees Knees'

plant source: All-America Selections



Aug. 8 Height: to 6" Spread: 12-16"



Sept. 4 Height: 6-7" Spread: 18-20"

2022 All-America Selections (AAS) Flowers from Cuttings Winner. Twelve plants were in the trials. They did well all summer with good bloom, vigor and uniformity. Plants were received and potted on April 18.

Petunia x hybrida 'Blink'

seed source: Burpee



Aug. 8 Height: 6-9" Spread: 6-15"



Sept. 4 Height: 6-10" Spread: 8-20"

Six of these were in the trials. Blooms were pretty but the plants weren't uniform in size and 2 were declining and dying by September. Petunias were started in the greenhouse on March 21.

Petunia x hybrida 'Blueberry Lime Jam Mix'

seed source: Burpee



Aug. 8 Height: 6-9" Spread: 9-21"



Sept. 4 Height: 7-11" Spread: 10-20"

Twelve plants were in the trials. These had really good bloom but the size wasn't uniform.

Petunia x hybrida 'Daddy Mix' (Grandiflora)

seed source: Park Seed



Aug. 8 Height: 8-9" Spread: 9-21"



Sept. 4 Height: 10-12" Spread: 14-16"

Ten plants were in the trials. Bloom was good but size wasn't uniform.

Petunia x hybrida 'Dreams™ Appleblossom' (Grandiflora)

seed source: Park Seed



Aug. 8 Height: 8-9" Spread: 9-14"



Sept. 4 Height: 9-10" Spread: 12-18"

Six plants in the trials. Good bloom but not uniform in size and plants yellowing in September.

Petunia x hybrida 'E3 Easy Wave™ Mix' (Spreading)

seed source: Ball Seed



Aug. 8 Height: 5-8" Spread: 6-16"



Sept. 4 Height: 6-10" Spread: 6-20"

Twelve plants in the trials. Good mix of colors but not uniform in size.

Petunia x hybrida 'E3 Easy Wave™ Sweet Taffy Mix' (Spreading)

seed source: Park Seed



Aug. 8 Height: 6-9" Spread: 11-17"



Sept. 4 Height: 7-8" Spread: 12-21"

Ten plants in the trials and they were mostly pink colors. These weren't uniform in size and some plants were dying by September.

Petunia x hybrida 'Easy Wave™ Burgundy Velour' (Spreading)

seed source: Park Seed



Aug. 8 Height: 6-9" Spread: 6-20"



Sept. 4 Height: 6-8" Spread: 22-24"

Six plants were in the trial. The excellent bloom made up for some size differences noted in August.

Petunia x hybrida 'Easy Wave™ Pink Passion' (Spreading)

seed source: Park Seed



Aug. 8 Height: 6-7" Spread: 16-20"



Sept. 4 Height: 6-7" Spread: to 24"

Six plants were in the trials. These had good bloom all year and really filled in nicely over the course of the summer.

Petunia x hybrida 'Easy Wave™ Yellow' (Spreading)

seed source: Park Seed



Aug. 8 Height: 6-7" Spread: 8-20"



Sept. 4 Height: 12-13" Spread: 15-22"

Six plants were in the trials. Bloom was really good all season which made up for some size differences.

Petunia x hybrida 'Evening Scentsation' (Multiflora)

seed source: Park Seed



Aug. 8 Height: 6-8" Spread: 15-17"



Sept. 4 Height: 7-9" Spread: 19-20"

Six plants in the trials. This did well all summer with good bloom, vigor and uniformity. The name refers to the sweet fragrance that is most notable in the evening hours.

Petunia x hybrida 'FlashForward™ Blue' (Spreading-Miniature)

seed source: Park Seed



Aug. 8 Height: 8-9" Spread: 10-14"



Sept. 4 Height: 10-11" Spread: to 14"

Six plants were in the trials. This miniature spreading petunia did well all summer but really filled in nicely by September.

Petunia x hybrida 'FlashForward™ Pink' (Spreading-Miniature)

seed source: Park Seed



Aug. 8 Height: 6-7" Spread: 9-15"



Sept. 4 Height: 7-8" Spread: 10-20"

Six plants were in the trials. These had really good bloom all season but spread was not uniform and there was some yellowing of plants in September.

Petunia x hybrida 'FlashForward™ Red' (Spreading-Miniature)

seed source: Park Seed



Aug. 8 Height: 6-7" Spread: 10-18"



Sept. 4 Height: 6-9" Spread: 10-24"

Six plants were in the trials. Bloom was good all summer but size was not uniform. There was also some yellowing foliage in September.

Petunia x hybrida 'FlashForward™ White' (Spreading-Miniature)

seed source: Park Seed



Aug. 8 Height: 6-7" Spread: 12-21"

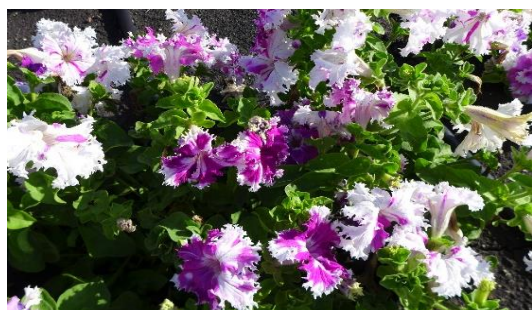


Sept. 4 Height: 10-11" Spread: 22-25"

Six plants were in the trials. These had good bloom all summer but looked especially nice by September. It was the most vigorous 'FlashForward' petunia.

Petunia x hybrida 'Greetings From Jaromere' (Grandiflora)

seed source: Park Seed



Aug. 8 Height: 8-10" Spread: 8-11"



Sept. 4 Height: 10-12" Spread: 15-20"

Twelve of these were in the trials. This frilly flowered petunia had unique flowers but poor size uniformity.

Petunia x hybrida 'Opera Supreme Raspberry Ice' (Spreading)

seed source: Park Seed



Aug. 8 Height: 6-7" Spread: 9-18"



Sept. 4 Height: 6-8" Spread: 13-23"

Six plants were in the trials. They had really good bloom but were not uniform in size. There was also some yellowing foliage in September.

Petunia x hybrida 'Purple Wave Improved' (Spreading)

seed source: Park Seed



Aug. 8 Height: 6-7" Spread: 16-18"



Sept. 4 Height: 6-8" Spread: 22-24"

Six plants were in the trials. Bloom was really good all summer and they filled in nicely by September. There was some yellowing foliage at the end of the season.

Petunia x hybrida 'Shock Wave® Coral Crush' (Spreading)

seed source: Park Seed



Aug. 8 Height: 6-7" Spread: 8-10"



Sept. 4 Height: 6-8" Spread: 8-18"

Six of these were in the trials. They were one of the least vigorous petunias in the trials but bloom was good.

Petunia x hybrida 'Shock Wave® Deep Purple' (Spreading)

seed source: Park Seed



Aug. 8 Height: 5-8" Spread: 11-16"



Sept. 4 Height: 7-8" Spread: 18-20"

Six plants were in the trials. These had good bloom all summer but size wasn't uniform.

Petunia x hybrida 'Shock Wave® Pink Vein' (Spreading)

seed source: Park Seed



Aug. 8 Height: 6-7" Spread: 8-20"



Sept. 4 Height: 6-8" Spread: 12-24"

Six plants were in the trials. Very good bloom but size was variable.

Petunia x hybrida 'Shock Wave® White' (Spreading)

seed source: PanAmerican Seed



Aug. 8 Height: 6-7" Spread: 6-10"



Sept. 4 Height: 5-8" Spread: 6-12"

Six plants were in the trials. These were not very vigorous or uniform in size but bloom was nice.

Petunia x hybrida 'Superbissima Dark Purple' (Grandiflora)

seed source: Park Seed



Aug. 8 Height: 4-8" Spread: 8-12"



Sept. 4 Height: 9-10" Spread: 14-15"

Six plants were in the trials. Flowers were big and pretty but plants weren't vigorous.

Petunia x hybrida 'Superbissima Wine Red' (Grandiflora)

seed source: Park Seed



Aug. 8 Height: 10-12" Spread: 14-16"



Sept. 4 Height: 10-12" Spread: 22-26"

Six plants were in the trials. Flowers were big and pretty. These plants had more vigor than 'Superbissima Dark Purple' petunia.

Petunia x hybrida 'Supercascade Blue' (Spreading)

seed source: Burpee



Aug. 8 Height: 7-10" Spread: 13-17"



Sept. 4 Height: 10-11" Spread: 22-24"

Six plants were in the trials. Good bloom but not uniform in size and one plant was sickly in September.

Petunia x hybrida 'Supercascade Red' (Spreading)

seed source: Burpee



Aug. 8 Height: 7-9" Spread: 6-10"



Sept. 4 Height: 6-11" Spread: 10-17"

Six plants in the trial. This was the least vigorous 'Supercascade' petunia but bloom was still nice.

Petunia x hybrida 'Supercascade White' (Spreading)

seed source: Burpee



Aug. 8 Height: 7-10" Spread: 10-17"



Sept. 4 Height: 10-11" Spread: 18-20"

Six plants were in the trials. Nice bloom and the plants filled in nicely by September.

Petunia x hybrida 'Tickled Pink' (Spreading)

seed source: Burpee



Aug. 8 Height: to 12" Spread: 9-12"



Sept. 4 Height: to 15" Spread: 18-24"

Six plants were in the trials. Good bloom all summer and they really filled in nicely by September.

Petunia x hybrida 'Tidal Wave® Red Velour' (Hedgiflora)

seed source: Park Seed



Aug. 8 Height: 10-13" Spread: 9-20"



Sept. 4 Height: 10-12" Spread: to 24"

Six plants were in the trials. They did well all summer with good bloom and vigor.

Petunia x hybrida 'Tidal Wave® Silver' (Hedgiflora)

seed source: Park Seed



Aug. 8 Height: 6-9" Spread: 8-12"



Sept. 4 Height: 8-14" Spread: to 20"

Six plants in the trials. Not uniform in size early but filled in nicely and had really good bloom by September.

Plectranthus scutellarioides (Coleus) 'Premium Sun Coral Candy'

seed source: All-America Selections, PanAmerican Seed



Aug. 8 Height: 7-12" Spread: 12-18"



Sept. 4 Height: 16" Spread: 20"

2023 All-America Selections (AAS) Ornamental From Seed Winner. Twelve of these were in the trials. They did well all season and looked especially nice in September.

Portulaca grandiflora 'Happy Hour Mix'

seed source: Park Seed



Aug. 8 Height: 8-10" Spread: 15-17"



Sept. 4 Height: 7-9" Spread: 14-16"

Twelve of these were in the trials. Bloom was better in July but vigor was good all season.

Ptilotus exaltatus 'Matilda'

seed source: Park Seed



Aug. 8 Height: 13-18" Spread: 11-16"



Sept. 5 Height: 18-20" Spread: 22-24"

Six of these were in the trials. Unique plant that did well all season with good bloom and vigor. It was being crowded by the 'Rudbeckia' next to it at the end of the summer.

Rudbeckia triloba- Brown-eyed Susan

seed source: Johnny's Selected Seeds



Aug. 8 Height: to 36" Spread: to 36"



Sept. 5 Height: to 48" Spread: to 48"

Six plants were in the trials. Very vigorous, wild-flower type plant that would be well suited to large garden areas.

Salvia farinacea 'Evolution'

seed source: Park Seed



Aug. 8 Height: 20-22" Spread: 20-22"



Sept. 5 Height: 21-24" Spread: 20-22"

Six plants were in the trials. This had good vigor, uniformity and bloom all season.

Salvia farinacea 'Fairy Queen'

seed source: Park Seed



Aug. 8 Height: 22-23" Spread: 17-18"



Sept. 5 Height: 25-27" Spread: 20-22"

Three plants were in the trials. They did well all season with good bloom, vigor and uniformity.

Salvia farinacea 'Victoria Blue'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 19-35" Spread: 13-15"



Sept. 5 Height: 25-38" Spread: to 21"

Three plants were in the trials. There was variability in size and color between the plants.

Salvia hybrid 'Big Blue'

seed source: Park Seed



Aug. 8 Height: 23-25" Spread: 28-30"



Sept. 5 Height: 36-38" Spread: to 36"

Six plants were in the trials. They did well all season although this *Salvia* takes a bit longer to get into full bloom.

Salvia splendens 'Gemstone Pink'

seed source: Burpee



Aug. 8 Height: 12-14" Spread: 11-14"



Sept. 5 Height: 12-13" Spread: 15"

Five plants were in the trials and they did well all season with good bloom, vigor and uniformity. There was some spider mite damage but it didn't detract from the appearance.

Salvia splendens 'Gemstone Purple'

seed source: Burpee



Aug. 8 Height: 14-15" Spread: 14-15"



Sept. 5 Height: 16-18" Spread: 22"

Six plants were in the trials and they did well all season with good bloom, vigor and uniformity. Some spider mite damage was there but it didn't detract from the appearance.

Salvia splendens 'Gemstone Red'

seed source: Burpee



Aug. 8 Height: 14-15" Spread: 13-15"



Sept. 5 Height: 16-18" Spread: 22"

Two plants were in the trials and they did well all season with good bloom, vigor and uniformity. There was some spider mite damage but it didn't detract from the appearance.

Scabiosa atropurpurea 'Pincushion Formula Mix'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 20-24" Spread: 20-21"



Sept. 5 Height: 24-32" Spread: to 32"

Twelve plants were in the trials. Bloom and vigor were good all season although one plant died.

Scabiosa atropurpurea 'Summer Berries'

seed source: Burpee



Aug. 8 Height: 24-34" Spread: 18-20"



Sept. 5 Height: to 36" Spread: to 20"

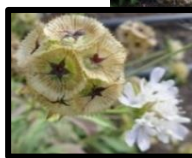
Twelve plants were in the trials. Bloom and vigor were good all season but some stems bent over.

Scabiosa stellata 'Paper Moon'

seed source: Burpee



Aug. 8 Height: 12-14" Spread: 13-15"



Sept. 5 Height: 14" Spread: 16"

Six plants were in the trials. These did well. The seed pods are useful in dried arrangements.

Senecio cineraria (Dusty Miller) 'Candicans'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 12-13" Spread: 14-16"



Sept. 5 Height: 16-17" Spread: 24-30"

Six plants were in the trials. This had good vigor and uniformity all season.

Senecio cineraria (Dusty Miller) 'New Look'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 10-11" Spread: 10-13"



Sept. 5 Height: 13-14" Spread: 18-20"

Six plants were in the trials. This had good vigor and uniformity all season.

Senecio cineraria (Dusty Miller) 'Silverdust'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 6-9" Spread: 7-13"



Sept. 5 Height: 9-13" Spread: 8-15"

Six of these were in the trials. They did well but weren't as vigorous as the other dusty millers.

Solanum integrifolium -Pumpkin-on-a-Stick

seed source: Park Seed



Aug. 8 Height: to 36" Spread: to 33"



Sept. 4 Height: to 30" Spread: to 30"

Six plants were in the trials. They had good vigor and lots of 'pumpkins' underneath the foliage. This is a type of ornamental eggplant.

Tagetes erecta (American Marigold) 'Inca II Mix'

seed source: Park Seed



Aug. 8 Height: 13-14" Spread: 12-13"



Sept. 4 Height: 15-20" Spread: 18-20"

Twelve plants were in the trials. They did well all summer with good bloom, vigor and uniformity.

Tagetes erecta (American Marigold) 'Mission Giant Orange'

seed source: Burpee



Aug. 8 Height: to 30" Spread: to 36"



Sept. 4 Height: 25-34" Spread: to 30"

Six plants were in the trials. These had good bloom and were very vigorous but stems were falling over.

Tagetes erecta (American Marigold) 'Park's Whopper Orange'

seed source: Park Seed



Aug. 8 Height: 16-18" Spread: 16-18"



Sept. 4 Height: 20-22" Spread: to 24"



Six plants were in the trials. They did well all season with good bloom, vigor and uniformity.

Tagetes erecta (American Marigold) 'Park's Whopper Yellow'

seed source: Park Seed



Aug. 8 Height: 12-13" Spread: 19-20"



Sept. 4 Height: 18-22" Spread: 20-21"

Six plants were in the trials. They did well all season with good bloom, vigor and uniformity.

Tagetes erecta (American Marigold) 'Siam Gold'

seed source: All-America Selections



Aug. 8 Height: 20-22" Spread: 18-19"



Sept. 4 Height: to 29" Spread: to 25"



2024 All-America Selections (AAS) Flower From Seed Winner. Twelve plants were in the trials. They did well all season but one had Aster Yellows and was pulled out in August.

Tagetes erecta (American Marigold) 'Sugar and Spice White'

seed source: Park Seed



Aug. 8 Height: 20-22" Spread: 24-26"



Sept. 4 Height: to 28" Spread: to 24"

Six plants were in the trials. These weren't as floriferous as other marigolds. The blossoms showed browning and there was some spider mite damage.

Tagetes erecta (American Marigold) 'White Swan'

seed source: Park Seed



Aug. 8 Height: 26-28" Spread: 20-22"



Sept. 4 Height: to 30" Spread: to 22"

Six plants were in the trials. Old blooms turned brown which was distracting from the appearance. Vigor was good.

Tagetes patula (French Marigold) 'Bonanza Bolero'

seed source: PanAmerican Seed



Aug. 8 Height: 7-9" Spread: 8-12"



Sept. 4 Height: 7-9" Spread: 10-17"

Six plants were in the trials. They showed some spider mite damage and had some differences in size. Bloom was good.

Tagetes patula (French Marigold) 'Daisy Wheel Lemon'

seed source: Park Seed



Aug. 8 Height: 11-12" Spread: 13-14"



Sept. 4 Height: 13-15" Spread: 15-16"

Six plants were in the trials. They had good vigor but bloom wasn't uniform. The flowers looked like yellow daisies.

Tagetes patula (French Marigold) 'Fireball'

seed source: Park Seed



Aug. 8 Height: 5-7" Spread: 7-9"



Sept. 4 Height: 7-9" Spread: 10-11"

Six of these were in the trials. They were small but had good bloom.

Tagetes patula (French Marigold) 'Super Hero Spry'

seed source: Park Seed



Aug. 8 Height: 3-8" Spread: 4-8"



Sept. 4 Height: 5-10" Spread: 6-17"

Six plants were in the trials. Bloom was good but plants weren't uniform in size. Two plants were really small.

Tagetes patula (French Marigold) 'Tiger Eyes'

seed source: Park Seed



Aug. 8 Height: 11-13" Spread: 18-20"



Sept. 4 Height: 17-20" Spread: 22-30"

Six plants were in the trials. They had good vigor all season. Bloom was best in September.

Thunbergia alata -Black-eyed Susan Vine

seed source: Park Seed



Aug. 8 Spreading to 48"



Sept. 5 Spreading to 60"

Three of these plants were planted around 1 vine structure. They were very vigorous all season. More blooms were visible in early August.

Tropaeolum minus (Nasturtium) 'Baby Rose'

seed source: Park Seed



Aug. 8 Height: 10-11" Spread: 8-14"



Sept. 5 Height: 13-14" Spread: to 21"

Six plants were in the trials. Plants were vigorous but blooms weren't visible; they were hidden under the foliage.

Tropaeolum minus (Nasturtium) 'Chameleon'

seed source: Park Seed



Aug. 8 Spreading 24-36"



Sept. 5 Spreading 36-48"

Twelve plants were in the trials. These were very vigorous and took over the corner they were in. Flowers were more visible in August but were hidden under foliage in September.

Tropaeolum minus (Nasturtium) 'Park's Fragrant Giants Mix'

seed source: Park Seed



Aug. 8 Spreading 24-36"



Sept. 5 Spreading 36-48"

Twelve plants were in the trials. These were very vigorous and took over the corner they were in. Flowers were more visible in August but were hidden under foliage in September.

Verbena bonariensis

seed source: Park Seed



Aug. 8 Height: to 42" Spread: to 36"



Sept. 5 Height: to 42" Spread: to 36"

Six plants were in the trials. They did well all season with good vigor, bloom and uniformity. The *Verbena* were started on March 28.

Verbena bonariensis 'Vanity'

seed source: All-America Selections



Aug. 8 Height: to 32" Spread: 18-20"



Sept. 5 Height: 34-36" Spread: to 25"

2022 All-America Selections (AAS) Flower From Seed Winner. Twelve plants were in the trials. Top performer all season with good bloom, vigor and uniformity.

Xeranthemum annuum 'Paper Flower Double Mix'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 14-16" Spread: 10-18"



Sept. 5 Height: 12-20" Spread: to 20"

Twelve plants were in the trials. These had good bloom but weren't uniform in size. The plants were drying out and falling over by September. These were seeded on April 15.

Xerochrysum bracteatum (Strawflower) 'Golden Yellow'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 8-36" Spread: 10-24"



Sept. 5 Height: to 42" Spread: to 36"

Six plants were in the trials. These had good bloom but weren't uniform in size. The strawflowers were seeded in the greenhouse on April 12.

Xerochrysum bracteatum (Strawflower) 'King Size Red'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 24-26" Spread: 16-18"



Sept. 5 Height: to 28" Spread: to 24"

Six plants were in the trials. These had good bloom and vigor all season but there was some leaf scorch showing up in September.

Xerochrysum bracteatum (Strawflower) 'Silvery Rose'

seed source: Johnny's Selected Seeds



Aug. 8 Height: to 29" Spread: to 14"



Sept. 5 Height: to 36" Spread: to 23"

Six plants were in the trials. Good bloom but some plants were dying and falling over by September.

Xerochrysum bracteatum (Strawflower) 'Sultane Mix'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 14-30" Spread: 10-20"



Sept. 5 Height: 25-36" Spread: to 24"

Twelve plants were in the trials. These had good vigor but weren't uniform in size or bloom.

Xerochrysum bracteatum (Strawflower) 'Tom Thumb Mix'

seed source: Burpee



Aug. 8 Height: 12-13" Spread: 14-15"



Sept. 5 Height: 12-14" Spread: 12-14"

Twelve plants were in the trials. Not much of a color mix; most plants had pink flowers. Good bloom and vigor all season.

Zinnia elegans 'Benary's Giant Bright Pink'

seed source: Johnny's Selected Seeds



Aug. 8 Height: to 26" Spread: to 21"



Sept. 4 Height: to 30" Spread: to 24"

Six plants in the trial but one of them turned out to be a white flowered one. Had good vigor but the stems were falling over and powdery mildew was bad in September. Zinnias were seeded on April 15.

Zinnia elegans 'Benary's Giant Salmon Rose'

seed source: Johnny's Selected Seeds



Aug. 8 Height: to 23" Spread: to 24"



Sept. 4 Height: to 34" Spread: to 20"

Six plants were in the trials. These had good bloom but the stems were falling over and powdery mildew was bad in September.

Zinnia elegans 'Candy Mix'

seed source: Park Seed



Aug. 8 Height: to 24" Spread: to 24"



Sept. 4 Height: to 30" Spread: to 24"

Twelve plants were in the trials. Had good vigor and a nice color mix. Powdery mildew was bad in September.

Zinnia elegans 'Funfair Mix'

plant source: Park Seed



Aug. 8 Height: to 24" Spread: to 24"



Sept. 4 Height: to 28" Spread: 18-20"

Twelve plants were in the trials. Stems on these were falling over and powdery mildew was bad in September.

Zinnia elegans 'Isabellina'

plant source: Park Seed



Aug. 8 Height: to 27" Spread: to 22"



Sept. 4 Height: to 34" Spread: to 24"

Six plants were in the trials but one was pink. Had good bloom but stems were falling over and powdery mildew was bad in September.

Zinnia elegans 'Park's Fiesta Mix'

plant source: Park Seed



Aug. 8 Height: to 27" Spread: to 22"



Sept. 4 Height: 18-30" Spread: to 24"

Twelve plants were in the trials. There was a nice color mix here but plants were falling over and powdery mildew was bad in September.

Zinnia elegans 'Senora'

plant source: Burpee



Aug. 8 Height: to 20" Spread: to 20"



Sept. 4 Height: 28-30" Spread: 20-24"

Six plants were in the trials. Nice blooms but stems fell over and powdery mildew was bad in September.

Zinnia elegans 'Tequila Lime'

plant source: Burpee



Aug. 8 Height: 16-34" Spread: to 20"



Sept. 4 Height: to 23" Spread: to 24"

Six plants were in the trials. Nice blooms but stems fell over and powdery mildew was bad in September.

Zinnia elegans 'Zesty Orange'

seed source: Ball Seed



Aug. 8 Height: 12-18" Spread: 12-17"



Sept. 4 Height: 14-22" Spread: 18-21"

Six plants were in the trials. Good bloom, vigor and uniformity all season.

Zinnia elegans 'Zesty Purple'

seed source: Ball Seed



Aug. 8 Height: 10-18" Spread: 9-15"



Sept. 4 Height: 9-16" Spread: 14-20"

Six plants were in the trials. Bloom was good but size wasn't uniform. There was leaf spotting and powdery mildew in September.

Zinnia elegans 'Zesty Yellow'

seed source: Ball Seed



Aug. 8 Height: 12-20" Spread: 9-15"



Sept. 4 Height: 9-16" Spread: 10-20"

Six plants were in the trials. Bloom was good but size wasn't uniform. There was leaf spotting and powdery mildew in September.

Zinnia elegans 'Zinderella Lilac'

seed source: Park Seed



Aug. 8 Height: 9-28" Spread: 10-24"



Sept. 4 Height: 8-24" Spread: 10-20"

Six plants were in the trials but two died by August. Powdery mildew was bad in September.

Zinnia elegans 'Zinderella Orange'

seed source: Park Seed



Aug. 8 Height: 15-22" Spread: 16-20"



Sept. 4 Height: to 27" Spread: to 20"

Six plants were in the trials. Bloom was really good but powdery mildew was really bad in September.

Zinnia elegans 'Zinderella Peach'

seed source: Park Seed



Aug. 8 Height: 16-28" Spread: 14-20"



Sept. 4 Height: to 27" Spread: to 20"

Six plants were in the trials. Bloom was really good but powdery mildew was really bad in September.

Zinnia elegans 'Zinderella Purple'

seed source: Park Seed



Aug. 8 Height: 18-28" Spread: 14-20"



Sept. 4 Height: to 36" Spread: 14-20"

Six plants were in the trials. Bloom was good but powdery mildew was really bad in September.

Zinnia elegans 'Zinderella Red'

seed source: Park Seed



Aug. 8 Height: to 24" Spread: 16-20"



Sept. 4 Height: to 29" Spread: to 20"

Six plants were in the trials but one died by August. Bloom was nice but powdery mildew was bad in September.

Zinnia elegans 'Zinderella Zest'

seed source: Park Seed



Aug. 8 Height: 20-24" Spread: 18-20"



Sept. 4 Height: to 29" Spread: to 20"

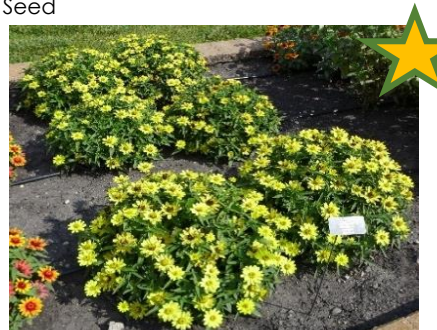
Six plants were in the trials. Really nice for first evaluation but powdery mildew became a problem in September.

Zinnia hybrida 'Profusion Lemon'

seed source: Park Seed



Aug. 8 Height: 11-13" Spread: 15-17"



Sept. 4 Height: 13-14" Spread: 20-21"

Six plants were in the trials. Nice all season with good bloom, vigor and uniformity. This one didn't have any powdery mildew.

Zinnia hybrida 'Profusion Red Yellow Bicolor'

seed source: All-America Selections



Aug. 8 Height: 8-11" Spread: 8-14"



Sept. 4 Height: 4-12" Spread: 7-15"

2021 All-America Selections (AAS) Gold Medal Flower Winner. Twelve plants were in the trials. Very nice bloom but there was one small plant.

Zinnia hybrida 'Zahara Double Bright Orange'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 11-12" Spread: 14-16"



Sept. 4 Height: 13-15" Spread: 16-20"

Six plants in the trials. One was pulled due to White Mold. Really good bloom but disease present in September.

Zinnia hybrida 'Zahara Double Cherry'

seed source: Johnny's Selected Seeds



Aug. 8 Height: 11-12" Spread: 14-15"



Sept. 4 Height: 13-14" Spread: 15-17"

Six plants were in the trials. Bloom and uniformity were very good, especially before September when white mold showed up.

Zinnia marylandica 'Raspberry Lemonade Mix'

seed source: Burpee



Aug. 8 Height: 7-12" Spread: 6-16"



Sept. 4 Height: 11-14" Spread: 10-21"

Twelve plants were in the trials. There was a nice color mix and good bloom but sizes weren't uniform.

Seed/Plant Source List-2024¹

All-America Selections
1311 Butterfield Road, Suite 311
Downer's Grove, IL 60515
all-americaselections.org

Ball Seed (W)²
622 Town Road
West Chicago, IL 60185-2698
ballseed.com

Burpee (R)
300 Park Ave
Warminster, PA 18974
burpee.com

Darwin Perennials (W)
622 Town Road
West Chicago, IL 60185-2698
darwinperennials.com

Gilbert H. Wild (R)
2944 State Hwy. 37
Reeds, Missouri 64859
gilberthwild.com

Johnny's Selected Seeds (R)
955 Benton Avenue
Winslow, Maine 04901-2601
Johnnyseeds.com

PanAmerican Seed (W)
622 Town Road
West Chicago, IL 60185-2698
panamseed.com

Park Seed (R)
3507 Cokesbury Road
Hodges, SC 29653
parkseed.com

¹ Disclaimer-Company names are included for public information; no discrimination is intended and no endorsement by NDSU or the North Dakota Agriculture Experiment Station is implied.

² 'W' after a company name indicates a wholesale or breeding company while an 'R' after a company name indicates a retail company.