

Perennials Trial Report

North Carolina State University

Raleigh, North Carolina

2024–2025

JC Raulston Arboretum at North Carolina State University
Raleigh, North Carolina

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General Introductory Notes and Acknowledgements

The Perennials Trials are located adjacent to the Color Trials at NC State University within the JC Raulston Arboretum (JCRA) in Raleigh. The JCRA is a ten and a half acre site administered by the Department of Horticultural Science and located on 35° 47'N latitude, longitude 78° 42' W, with an elevation of 400'.

Plants to be entered into our trials are received in one of three ways—seeds, rooted cuttings/plugs or finished plants/pot. Virtually all are grown within controlled greenhouse environments prior to placement in protected outdoor structures for hardening off. Plant spacing in the trials is based on the estimated mature size of the entrant that fits to a 4' × 4' area or by the number of plants sent. Each entry is evaluated for two complete calendar years, being removed after the spring flush in year three. After the plants are established, they are evaluated for hardiness and landscape performance with ratings regularly taken.

Acknowledgements

We thank the vegetative and seed companies that participate in our trials. The services we provide would not be possible without the cooperation and support of these companies. We appreciate this confidence and trust and we look forward to continuing our partnership.

Lastly, we are thankful to other departmental staff and the volunteers of the JC Raulston Arboretum who assisted in transplanting and maintaining the plants ... we couldn't have done it without you all!

Participants

2023

All America Selections
Danziger
Darwin Perennials
Terra Nova Nurseries

2024

All America Selections
Danziger
Darwin Perennials
Garden Choice Plants
Must Have Perennials
Terra Nova Nurseries

We also thank the following companies for their support of material donations:

- BASF, 26 Davis Drive, Research Triangle Park, NC 27709
- Pacific Organics, 650 Peter Gill Road, Henderson, NC 27537
- Sun Gro Horticulture, 4731 Homestead Place, Matthews, NC 28104

Understanding Our Data

Cultural Data

Trials are conducted in amended beds. Prior to planting, beds are fertilized with 10-10-10 granular fertilizer and tilled. All plant material is mulched with composted leaf mulch to a 2"–3" depth after planting. Pre-emergent herbicides are used at the initial planting and repeated each subsequent spring/summer season. Hand weeding is done at all other times. Later in the season, a post-emergent herbicide application along the edge of the beds was done on an as needed basis. An in-ground irrigation system delivers 1"–1.5" of water to the beds each week. Plant height and width measurements (recorded in inches) are taken during the growing season. Data was collected from a representative plant, not the largest or the smallest but an

average plant. Dormant plants were cut back in the fall/early winter to clean up the area and reduce overwintering habitat for insects and diseases.

Evaluations

The purpose of our perennials trial is to evaluate the plant material under conditions unique to our location. Our summer growing conditions are typically hot temperatures with high humidity. There is little nighttime temperature relief/recovery; average summer nighttime temperatures can be in the 70s. During our winters we can experience wide and rapid fluctuations in temperatures. Irrigation is required all season.

What do we look for?

- General Plant Growth – healthy appearance, attractive foliage, uniform growth
- Flowers – floriferousness, bloom duration, uniform color, does it hold up after a heavy rain
- Pests and diseases – any visible evidence of damage: distorted or chewed foliage
- Heat tolerance – do the flowers and plants hold up in the heat, does the flower color fade or stripe
- Hardiness (survival) – determined (in the spring) by the number of plants that made it through or emerged after the winter

Installation Date

Most entries were planted into their permanent trial location on:

- 2023 entries on May 09, 2023
- 2024 entries on May 16, 2024

Entries that Did Not Survive

Died 2023

Oenothera (Evening Sun)
Penstemon (Rock Candy Purple)
Salvia (Silver Scent)
Polemonium (Golden Feathers)

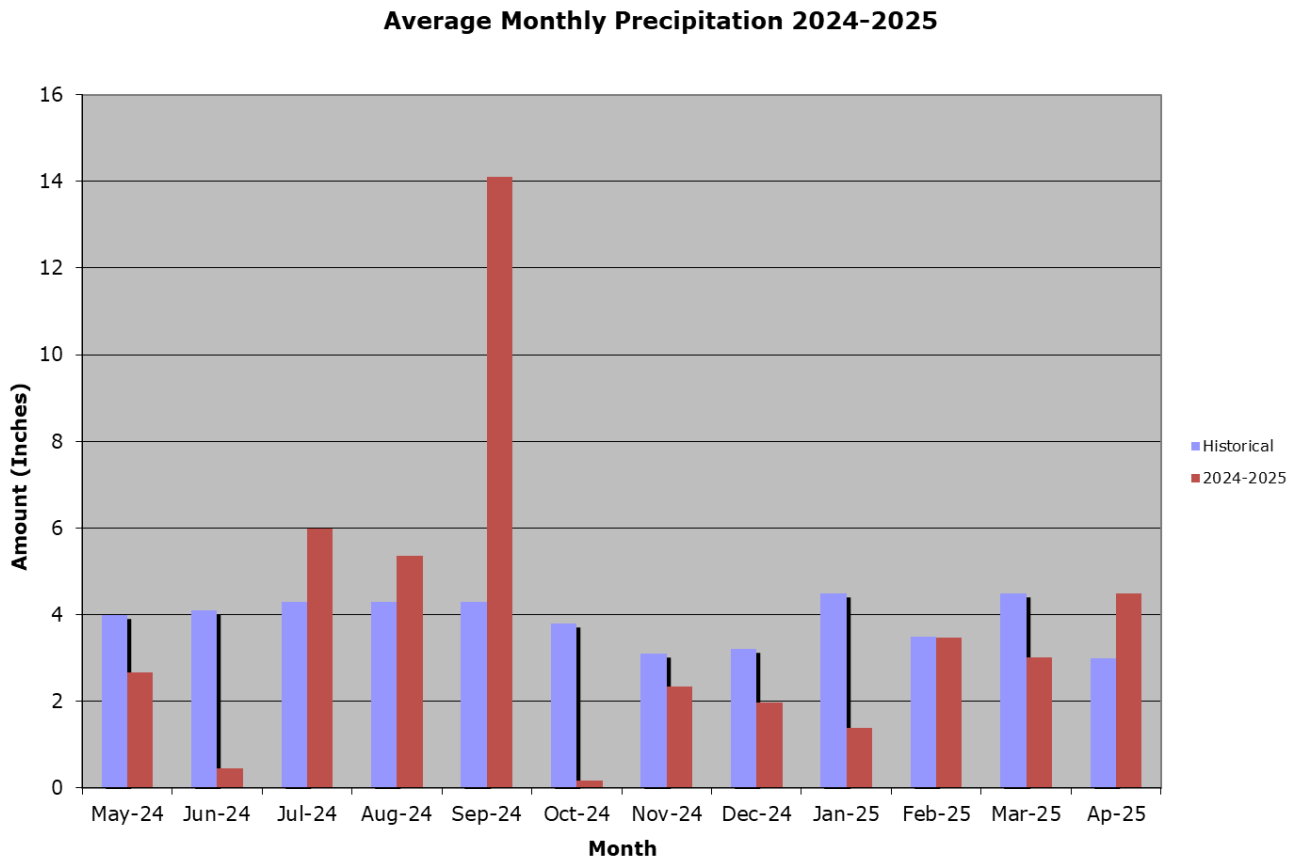
Died 2024

Coreopsis (Nova Jewel)
Erysimum (Sunstrong Yellow)
Penstemon (Rock Candy Ruby)
Polemonium (Hurricane Ridge)
Stachys byzantina (Little Lamb)
Rudbeckia (MiniBeckia Double Flame)
Rudbeckia (MiniBeckia Fire)
Rudbeckia (MiniBeckia Flame)
Verbascum (Dark Eyes)

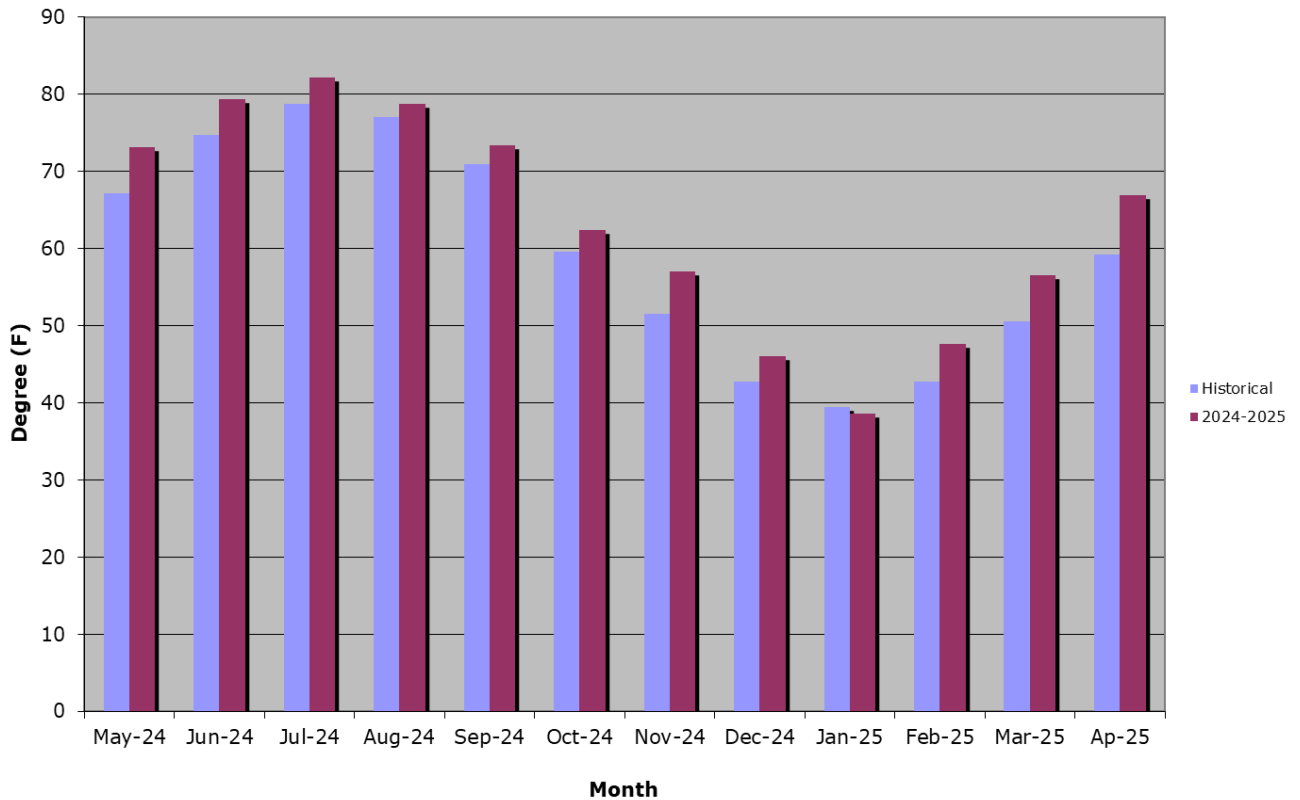
The best way to really evaluate our trials is to come in person. The JCRA is open 365 days a year.

Climate Graphs

Average Monthly Precipitation and Temperature



Average Monthly Temperature (F) 2024-2025



The 2024 summer season growing conditions were all over the spectrum. May was slightly drier with "normal" temperatures. In June, we experienced the beginning of an extreme heat pattern. Two-thirds of the month had temperatures that exceeded 90°F coupled with virtually no rain (0.46 inch). June 2024 was our second driest June on record. July continued the exceptional heat. We set a record breaking daily high temperature on July 5 (100°F). The heat index that day reached 118°F! July's rainfall was above normal. The warm temperatures continued through August. Tropical Storm Debby brought much needed rain (4.53") over a two-day period the first half of the month. Unfortunately, we had no appreciable rainfall for the remainder of August. We welcomed the more comfortable temperatures that September brought. An early-month storm dumped more than 4 inches of rain over a multi-day period. This heavy rain pattern continued through the entire month. September precipitation ended with an amazing 14.11" total!

Our greatest amounts of rainfall occurred on August 8 (2.68"), September 1 (2.07") and September 16 (2.41"). Our first 90-degree day occurred on May 21 (90°F). June had the most 90°F+ days at 19 days followed by July with 16 days. We had two 100°F+ days, July 5 (100°F) and July 6 (102°F).

These numbers do not adequately show the volatile weather conditions we experienced during the summer. It was a summer of extremes, high heat matched with both extreme rainfall AND extreme drought. Summer 2024 was a difficult growing season for the plants.

A recap of our winter: October was dry with only 0.17 inch of rain- it was the second driest October since 1895. November was warmer and drier than normal; it was our third warmest on record. On November 29, we had our first frost event.

The 3 months of climatological winter (December through February) were overall dry and warm, with the exception of January. During December, we were below freezing on 12 nights and in January 22 nights. The coldest night of the season was 17°F on January 23. February was warmer than normal. On February 4, the temperature reached 80°F, much earlier than normal. We experienced one wintry mix (0.52") on January 11 and our first snowfall (1.5") on January 21 and second on February 19 (2.3").

March was warm and wet. March's spring-like daytime temperatures reached into the 80s on six occasions and only twice were the overnight lows below freezing. April's precipitation was close to normal, but the temperatures were unseasonably warm with highs in the 80s on sixteen occasions- April 3-6, 14, 18-26, and 29-30. The hottest being 89°F on April 4 and 30. April 2025 is our warmest April on record!

Seed and Plant Material Sources

All America Selections, 5201 Walnut Avenue, Suite 3, Downers Grove, IL 60515
Danziger, 3405 Taft St., Conklin, MI 22071
Darwin Perennials, P.O. Box 335, West Chicago, IL 60185
Garden Choice Plants, 939 Helen Ruth Drive, Fort Wright, KY 41017
Must Have Perennials, 2369 Old Pennsylvania Pike, Lancaster, PA 17602
Proven Winners, 1021 River Ridge Lane, Saint Thomas MO 65076
Terra Nova Nurseries, 10051 S. Macksburg Road, Canby, OR 97013

Please get in touch with these companies if you have specific questions regarding individual species and cultivars.

Trial Results

Perennials Planted in 2023

Name: **Agastache**

Variety: **Pink Pearl**

Common name: **Agastache**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 10 / 20

Quantity Planted: 1 Survival: 0%

Compact, mounding plant habit; large deep pink-rose flower spikes cover the entire plant; bloomed from May through October; low maintenance; great pollinator plant- bees love it.



Name: **Caryopteris x clandonensis**

Variety: **Emerald Crest**

Common name: **Caryopteris**

Company: **Darwin Perennials**

Height / Diameter (in): 31 / 36

Quantity Planted: 1 Survival: 33%

Compact, mounding plant habit with glossy deep green foliage; dense clusters of blue flowers; flowered from May through October; easy to grow; good for pollinators.



Name: **Caryopteris x clandonensis**

Variety: **Gold Crest**

Common name: **Caryopteris**

Company: **Darwin Perennials**

Height / Diameter (in): 36 / 35

Quantity Planted: 1 Survival: 100%

Uniform, mounding plant habit; glossy, chartreuse colored foliage brightens any garden spot; blue flower clusters; flowered from mid-July into October.



Name: **Centaurea ragusina**

Variety: **Silver Swirl**

Common name: **Silver Knapweed**

Company: **Darwin Perennials**

Height / Diameter (in): 7 / 15

Quantity Planted: 1 Survival: 0%

Silvery-white colored leaves brighten up any spot in a garden; leaf edges are wavy which adds a bit of texture; flowered from May until mid-July; good plant for edging; low maintenance.



Name: **Coreopsis grandiflora**

Variety: **Solanna Sunset Bright**

Common name: **Coreopsis**

Company: **Danziger**

Height / Diameter (in): 11 / 17

Quantity Planted: 1 Survival: 22%

Mounding habit; well branched, uniform plants; heat tolerant; single, golden colored flowers with a red eye; bloomed from May to end of September; attracts bees and other pollinators.



Name: **Crocosmia**

Variety: **Nova Gold Dragon**

Common name: **Crocosmia**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 22 / 9

Quantity Planted: 1 Survival: 78%

Upright plant habit; beautiful stalks of golden and deep orange flowers; flowered in mid-June through mid-July; attracts pollinators; short blooming period but stunning while in flower!



Name: **Echinacea**

Variety: **23P01, Echinacea bicolor**

Common name: **Coneflower**

Company: **All-America Selections**

Height / Diameter (in): **17 / 14**

Quantity Planted: **1** Survival: **56%**

Unique bicolored, single flowers- magenta petals with lime green tips; sturdy stems- good for cuts; flowered from May through mid-August; attracts bees and other pollinators; low maintenance.



Name: **Echinacea**

Variety: **23P02, Echinacea double**

Common name: **Coneflower**

Company: **All-America Selections**

Height / Diameter (in): **13 / 14**

Quantity Planted: **1** Survival: **56%**

Attractive bright pink colored flowers; prolific and continuous bloomer; flowered from May through end of August; upright, compact plant habit; thrived in our heat and humidity; pollinators loved the flowers.



Name: **Echinacea x hybrida**

Variety: **Cara Mia Carmine**

Common name: **Coneflower**

Company: **Terra Nova Nurseries**

Height / Diameter (in): **9 / 8**

Quantity Planted: **1** Survival: **33%**

Uniform and compact; full dense plants, well branched; double flowers with bright cherry-red colored petals; flowered from May through November; low maintenance; attracts bees and other pollinators.



Name: **Echinacea x hybrida**

Variety: **Cara Mia Coral**

Common name: **Coneflower**

Company: **Terra Nova Nurseries**

Height / Diameter (in): **15 / 14**

Quantity Planted:) Survival: **11%**

Uniform mounding plant habit; dense compact plants loaded with unique flowers- peach colored petals; sturdy stems- good for cutting; flowered from May through mid-August; attracts bees and other pollinators.



Name: **Echinacea x hybrida**

Variety: **Cara Mia Sands**

Common name: **Coneflower**

Company: **Terra Nova Nurseries**

Height / Diameter (in): **13 / 15**

Quantity Planted:) Survival: **78%**

Uniform mounding plant habit; compact plants loaded with double flowers- white petals with green center that turns to a light creamy yellow; sturdy stems- good for cuts; flowered from May through mid-August; attracts bees and other pollinators; low maintenance.



Name: **Echinacea x hybrida**

Variety: **Cara Mia Seashell**

Common name: **Coneflower**

Company: **Terra Nova Nurseries**

Height / Diameter (in): **6 / 7**

Quantity Planted:) Survival: **0%**

Uniform mounding plant habit; large, double flowers with bright pink petals and green eye; flowered from May through early September; sturdy stems- good for cuts; low maintenance; attracts bees and other pollinators.



Name: **Echinacea x hybrida**

Variety: **Cara Mia Spicy**

Common name: **Coneflower**

Company: **Terra Nova Nurseries**

Height / Diameter (in): **8 / 14**

Quantity Planted: **1** Survival: **33%**

Uniform mounding plant habit; easy to grow; double flowers with unique reddish-pink petals; flowered from May through November; can be enjoyed inside as cuts; attracts bees and other pollinators.



Name: **Echinacea x hybrida**

Variety: **Double Scoop Orangeberry Deluxe**

Common name: **Coneflower**

Company: **Darwin Perennials**

Height / Diameter (in): **15 / 16**

Quantity Planted: **1** Survival: **33%**

Uniform mounding plant habit; double flowers with attractive deep orange and red petals; flowered from May through late-November; can be used for cuts; easy to grow; attracts bees and other pollinators.



Name: **Echinacea x hybrida**

Variety: **Double Scoop Raspberry Deluxe**

Common name: **Coneflower**

Company: **Darwin Perennials**

Height / Diameter (in): **16 / 15.5**

Quantity Planted: **1** Survival: **33%**

Mounding, upright plant habit; well-branched plants; double flowers with dark pink petals; flowered May through mid-August; easy to grow; attracts bees and other pollinators.



Name: **Echinacea x hybrida**

Variety: **Double Scoop Strawberry Deluxe**

Common name: **Coneflower**

Company: **Darwin Perennials**

Height / Diameter (in): **18 / 19**

Quantity Planted: **1** Survival: **44%**

Well branched, upright plant habit; easy to grow; flowers are doubles; dark red petals with an intense dark center; flowered from May through mid-August and again in October and November; can be used for cuts; pollinator friendly.



Name: **Echinacea x hybrida**

Variety: **Double Scoop Watermelon Deluxe**

Common name: **Coneflower**

Company: **Darwin Perennials**

Height / Diameter (in): **15 / 14**

Quantity Planted: **1** Survival: **89%**

Upright plant habit; easy to grow; double flowers with hot pink petals; flowered from May through mid-August; sturdy stems- good for cuts; attracts bees and other pollinators.



Name: **Echinacea x hybrida**

Variety: **Prima Berry**

Common name: **Coneflower**

Company: **Terra Nova Nurseries**

Height / Diameter (in): **16 / 12**

Quantity Planted: **1** Survival: **100%**

Uniform, mounding plant habit; low maintenance- easy to grow; single flowers of deep pink petals with a dark center; flowered from May through mid-August; pollinators loved the flowers.



Name: **Echinacea x hybrida**

Variety: **Sunny Days Ruby**

Common name: **Coneflower**

Company: **All-America Selections**

Height / Diameter (in): **8 / 15**

Quantity Planted: **1** Survival: **56%**

Uniform mounding plant habit; low maintenance; double flowers with petals of deep ruby-red; outstanding bloomer-flowered from May through November; attracts bees and other pollinators (don't remove spent flowers, the birds like the seeds); as with all coneflowers, can be used for cuts.



Name: **Echinacea purpurea**

Variety: **Sombrero Adobe Orange**

Common name: **Coneflower**

Company: **Darwin Perennials**

Height / Diameter (in): **22 / 17**

Quantity Planted: **1** Survival: **78%**

Bright orange flowers adorn the dark green foliage; continuous flower power; flowered from May through November; easy to grow; pollinators loved the flowers and the birds loved the seeds.



Name: **Echinacea purpurea**

Variety: **Sombrero Rosada**

Common name: **Coneflower**

Company: **Darwin Perennials**

Height / Diameter (in): **13 / 14**

Quantity Planted: **1** Survival: **78%**

Low maintenance; easy to grow, well branched, mounding plant habit; single flowers of pinkish-red petals with a dark center; continuous bloomer- flowered from May into late October; can be used for cuts; don't remove spent flowers as the birds love the seed.



Name: **Echinacea purpurea**

Variety: **Sombrero Salsa Red**

Common name: **Coneflower**

Company: **Darwin Perennials**

Height / Diameter (in): 13 / 14

Quantity Planted:) Survival: **44%**

Mounding plant habit; dark green foliage; bright red single flowers- note the attractive overlapping petals; flowered from May through end of July; can be used for cuts; pollinators loved the flowers and the birds loved the seeds.



Name: **Echinacea purpurea**

Variety: **Green Twister**

Common name: **Coneflower**

Company: **All-America Selections**

Height / Diameter (in): 18 / 14

Quantity Planted:) Survival: **22%**

Grown from seed; mounding habit; well branched plants with dark green foliage; interesting flower color- lime green with magenta; flowered from May through mid-August; low maintenance.



Name: **Erysimum x hybrida**

Variety: **Sunstrong Orange Improved**

Common name: **Erysimum**

Company: **Danziger**

Height / Diameter (in): 10 / 11

Quantity Planted:) Survival: **0%**

Compact plants with a mounding habit; low maintenance; attractive clusters of tangerine flowers cover the plant; bloomed from May through mid-August and again in October and November; pollinator friendly.



Name: **Gaura lindheimeri**

Variety: **Steffi Dark Rose Improved**

Common name: **Gaura**

Company: **Danziger**

Height / Diameter (in): 16 / 20

Quantity Planted:) Survival: 11%

Heat tolerant; compact, mounding habit; low maintainance; beautiful upright spikes of dark rose-pink flowers; bloomed in the spring and again in September.



Name: **Geum**

Variety: **Tempo Rose**

Common name: **Geum**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 5 / 8

Quantity Planted:) Survival: 11%

Full sun: compact, mounding habit; attractive lobed green foliage; rose-pink flowers held upright; bloomed in early-spring; rabbit resistant.



Name: **Geum**

Variety: **Tempo Rose**

Common name: **Geum**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 5 / 8

Quantity Planted: ; Survival: 100%

Shade growing: continues to perform slightly better than those in full sun; compact, mounding habit; attractive lobed green foliage; rose-pink flowers held upright; bloomed in early-spring; rabbit resistant.



Name: **Kniphofia**

Variety: **Rocket Jr**

Common name: **Kniphofia**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 20 / 18

Quantity Planted:) Survival: **100%**

Uniform and compact; upright, clumping habit; rabbit resistant; eye-catching flower spikes of deep orange with yellow; bloomed from May through early-October; beautiful as mass planting.



Name: **Lavender angustifolia**

Variety: **Layla Presto Blue**

Common name: **Lavender**

Company: **Danziger**

Height / Diameter (in): 13 / 21

Quantity Planted:) Survival: **0%**

Well branched, compact plants with upright habit; silver-grey foliage (new growth is green); large, fragrant, blue-purple flowers; flowered from May through early-September; attracts pollinators.



Name: **Leucanthemum**

Variety: **23P03, Leucanthemum**

Common name: **Shasta Daisy**

Company: **All-America Selections**

Height / Diameter (in): 15 / 13

Quantity Planted:) Survival: **0%**

Uniform mounds of deep green foliage; bright yellow flowers that soften to a pale yellow; flowered from May until mid-July.



Name: **Leucanthemum superbum**

Variety: **Banana Cream/Cream II**

Common name: **Shasta Daisy**

Company: **All-America Selections**

Height / Diameter (in): 15 / 16

Quantity Planted:) Survival: **0%**

Dark green foliage; sturdy, thick stems; soft yellow flowers that brighten to white; prolific flowering; flowered from May until mid-July.



Name: **Nepeta**

Variety: **Nova Blue**

Common name: **Nepeta**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 9 / 25

Quantity Planted:) Survival: **78%**

Mounding plant habit; pleasant mint fragrance to leaves; covered in small purple flowers from June through September; good for pollinators.



Name: **Penstemon**

Variety: **Flock of Flamingos**

Common name: **Penstemon**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 16 / 22

Quantity Planted:) Survival: **0%**

Clumps of glossy green foliage; lots of dark-pink tubular flowers; bloomed in spring and then in September; easy to grow; pollinator friendly.



Name: **Perovskia atriplicifolia**

Variety: **Crazy Blue**

Common name: **Perovskia**

Company: **Darwin Perennials**

Height / Diameter (in): 22 / 24

Quantity Planted:) Survival: **100%**

Silvery-green foliage is open/loose, giving the plant an open, airy appearance; uniform, compact Russian Sage; heat tolerant; blue colored flowers cover the plants; blooms from May through November; foliage is fragrant; is a magnet for pollinators.



Name: **Pulmonaria**

Variety: **Raspberry Frost**

Common name: **Pulmonaria**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 3 / 15

Quantity Planted:) Survival: **0%**

Variagated foliage brings all-year interest; grown in the shade yet struggles in our heat; flowers in early spring.



Name: **Pulmonaria**

Variety: **Silver Scimitar**

Common name: **Pulmonaria**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 7 / 17

Quantity Planted:) Survival: **67%**

Variagated foliage (with few leaf spots/blotches) brings year-long interest to the shade garden; performs better than 'Raspberry Frost'; is not thriving in our heat.



Name: **Salvia nemorosa**

Variety: **Blue By You**

Common name: **Salvia**

Company: **Darwin Perennials**

Height / Diameter (in): **18 / 24**

Quantity Planted: **1** Survival: **100%**

Uniform, compact, well branched plants; sturdy spikes of dark purple flowers bloomed from mid-May to October; great flower power; attracts pollinators.



Name: **Salvia nemorosa**

Variety: **Dark Matter**

Common name: **Salvia**

Company: **All-America Selections**

Height / Diameter (in): **12 / 17**

Quantity Planted: **1** Survival: **33%**

Compact and well branched plants; attractive spikes of dark purple flowers; flowered from June to October; good for cut flowers; great flower power; attracts pollinators.



Name: **Salvia nemorosa**

Variety: **Pink Nebula**

Common name: **Salvia**

Company: **Danziger**

Height / Diameter (in): **10 / 20**

Quantity Planted: **1** Survival: **0%**

Well-branched, uniform, compact plants; sturdy spikes of pink flowers; bloomed from May to end of July; good for cut flowers; attracts pollinators.



Name: **Stachys byzantina**

Variety: **Little Lamb**

Common name: **Lamb's Ear**

Company: **Darwin Perennials**

Height / Diameter (in): . / .

Quantity Planted:) Survival: **0%**

Small leaves that are a silvery-green color; low spreading habit; died July 2024.



Name: **Veronica spicata**

Variety: **Moody Blues Dark Blue Improved**

Common name: **Speedwell**

Company: **Darwin Perennials**

Height / Diameter (in): 14 / 15

Quantity Planted:) Survival: **78%**

Compact, upright habit; lots of flower power; covered with deep blue spikes of flowers; long blooming, from May through November; magnet for pollinators; low maintenance.



Name: **Veronica spicata**

Variety: **Moody Blues Dark Pink**

Common name: **Speedwell**

Company: **Darwin Perennials**

Height / Diameter (in): 8 / 13

Quantity Planted:) Survival: **44%**

Uniform and compact plants; upright plant habit; great flower power- covered with dark pink flowers; flowered from May through August; magnet for pollinators; low maintenance; good plant for edging.



Perennials Planted in 2024

Name: **Achillea millefolium**

Variety: **New Vintage Terracotta**

Common name: **Yarrow**

Company: **Darwin Perennials**

Height / Diameter (in): **11 / 14**

Quantity Planted: **1** Survival: **100%**

Compact, upright and uniform plants with fragrant fern-like foliage; great flower power; changing flower colors as it matures- cream to orange and rose shades; long blooming, from July through November; good as cut flowers as well as dried flowers; magnet for pollinators; drought tolerant; low maintenance.



Name: **Achillea millefolium**

Variety: **New Vintage Violet**

Common name: **Yarrow**

Company: **Darwin Perennials**

Height / Diameter (in): **8 / 10**

Quantity Planted: **1** Survival: **100%**

Compact, upright and uniform plants with fragrant fern-like foliage; great flower power; sturdy stems of purple-pink flowers; long blooming, from July through November; good as cut flowers as well as dried flowers; drought tolerant; low maintenance; attracts pollinators.



Name: **Agastache foeniculum**

Variety: **Celestia**

Common name: **Agastache**

Company: **Danziger**

Height / Diameter (in): **12 / 15**

Quantity Planted: **3** Survival: **100%**

A taller agastache that is well branched; large purple flowers cover the entire plant; prolific bloomer; bloomed from July through November; low maintenance; rabbit resistant; great pollinator plant- bees love it.



Name: **Agastache mexicana**

Variety: **Summerlong Coral**

Common name: **Agastache**

Company: **Darwin Perennials**

Height / Diameter (in): 13 / 14

Quantity Planted:) Survival: **0%**

Uniform and compact plants; beautiful coral colored flowers cover the entire plant; bloomed from May through September; low maintenance; great pollinator plant- bees love it.



Name: **Agastache mexicana**

Variety: **Summerlong Lemon**

Common name: **Agastache**

Company: **Darwin Perennials**

Height / Diameter (in): 9 / 12

Quantity Planted:) Survival: **89%**

Uniform and compact plants; clear soft-yellow colored flowers cover the entire plant; bloomed from May through October; low maintenance; great pollinator plant- bees love it.



Name: **Agastache mexicana**

Variety: **Summerlong Lilac**

Common name: **Agastache**

Company: **Darwin Perennials**

Height / Diameter (in): 10 / 16

Quantity Planted:) Survival: **0%**

Uniform and compact plants; pink-purple colored flowers cover the entire plant; bloomed from May through October; low maintenance; great pollinator plant- bees love it.



Name: **Armeria pseudarmeria**

Variety: **Dreameria Hypnotic Dreams**

Common name: **Armeria**

Company: **Darwin Perennials**

Height / Diameter (in): 2 / 3

Quantity Planted:) Survival: **44%**

Small tufts of green foliage; sturdy stems hold the purple-magenta colored globe-like flowers above the foliage; heat tolerant; easy to grow; rabbits like the flowers but don't eat the foliage.



Name: **Buddleia hybrid**

Variety: **Chrysalis Pink**

Common name: **Buddleia**

Company: **Darwin Perennials**

Height / Diameter (in): 8 / 12

Quantity Planted:) Survival: **100%**

Uniform, compact plants with a mounding habit; attractive pink colored cone-shaped flowers that bloom from July to late November; low maintenance; a great pollinator plant- bees and butterflies love it.



Name: **Buddleia hybrid**

Variety: **Chrysalis Steel Blue**

Common name: **Buddleia**

Company: **Darwin Perennials**

Height / Diameter (in): 10 / 14

Quantity Planted:) Survival: **100%**

Uniform, compact plants with a mounding habit; attractive blue colored cone-shaped flowers that bloom from mid-July to late November; low maintenance; a great pollinator plant- bees and butterflies love it.



Name: **Coreopsis hybrid**

Variety: **UpTick Gold**

Common name: **Coreopsis**

Company: **Darwin Perennials**

Height / Diameter (in): **8 / 12**

Quantity Planted: **1** Survival: **56%**

Mounding plant habit; large yellow flowers that bloomed from June through mid-November; flowers covered plant- good flower power; heat tolerant; easy to grow; rabbits did not eat.



Name: **Delosperma hybrid**

Variety: **Ocean Sunset Violet Flare**

Common name: **Delosperma**

Company: **Darwin Perennials**

Height / Diameter (in): **3 / 10**

Quantity Planted: **1** Survival: **89%**

Compact low growing mounds of green succulent-like foliage; covered in flowers of purple with white center; flowered from mid-July through November; good groundcover; drought tolerant; low maintenance.



Name: **Digitalis xhybrida**

Variety: **Arctic Fox Lemon Cream**

Common name: **Foxglove**

Company: **Darwin Perennials**

Height / Diameter (in): **8.5 / 11**

Quantity Planted: **1** Survival: **0%**

Compact plants with upright habit; stalks of light yellow tubular flowers; bloomed from July through the end of August; pollinator friendly; low maintenance; died winter 2024-2025.



Name: **Digitalis xhybrida**

Variety: **Arctic Fox Rose**

Common name: **Foxglove**

Company: **Darwin Perennials**

Height / Diameter (in): 13 / 10.5

Quantity Planted:) Survival: **0%**

Compact plants with upright habit; stalks of rose colored tubular flowers; bloomed from July through mid-August; pollinator friendly; low maintenance; died winter 2024-2025.



Name: **Echinacea xhybrida**

Variety: **Dark Shadows Mystic**

Common name: **Coneflower**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 5 / 6

Quantity Planted:) Survival: **44%**

Uniform plants; small, short pink colored petals rim the large seed center; heavy bloomer; bloomed in August; drought tolerant; attracts bees and other pollinators.



Name: **Echinacea xhybrida**

Variety: **Fresco Apricot**

Common name: **Coneflower**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 5.5 / 11

Quantity Planted:) Survival: **100%**

Well branched uniform plants; produces an abundance of large pink-apricot colored flowers; bloomed from August until late November; attracts bees and other pollinators (don't remove spent flowers, the birds like the seeds); as with all coneflowers, can be used for cuts.



Name: **Echinacea xhybrida**

Variety: **Kismet Pink Lemonade**

Common name: **Coneflower**

Company: **Terra Nova Nurseries**

Height / Diameter (in): **5.5 / 7**

Quantity Planted: **1** Survival: **100%**

Mounded, compact habit; produces an abundance of pink blooms with soft-yellow-colored petal tips- they look like pinwheels; bloomed from mid-August until late November; can be used for cuts; pollinators love the flowers and the birds love the seeds.



Name: **Erysimum hybrida**

Variety: **Sunstrong Yellow**

Common name: **Erysimum**

Company: **Danziger**

Height / Diameter (in): **7 / 13**

Quantity Planted: **1** Survival: **0%**

Tidy, compact plants with a mounding habit; attractive clusters of lightly scented, yellow flowers that bloomed from June through mid-August; drought tolerant; low maintenance; pollinator friendly; died end of August.

Name: **Geum hybrid**

Variety: **Tempo Coral**

Common name: **Geum**

Company: **Terra Nova Nurseries**

Height / Diameter (in): **3 / 6**

Quantity Planted: **1** Survival: **89%**

Compact, mounding habit; attractive lobed green foliage; coral colored flowers held upright; bloomed in early- spring; rabbit resistant.



Name: **Heliopsis helianthoides**

Variety: **Oriole Variegata**

Common name: **Heliopsis**

Company: **Must Have Perennials**

Height / Diameter (in): 6.5 / 8

Quantity Planted: 1 Survival: **89%**

Compact, well branched plants; variegated foliage of creamy white with green veins provides year round interest in the garden; yellow daisy-like flowers; low maintenance.



Name: **Helleborus**

Variety: **Hollowtop Mountain**

Common name: **Helleborus**

Company: **Must Have Perennials**

Height / Diameter (in): 3 / 6

Quantity Planted: 2 Survival: **100%**

Small plants of green foliage with white veins; unique foliage provides year round interest in the garden; no flowers; low maintenance.



Name: **Helleborus**

Variety: **Mt. Nebo**

Common name: **Helleborus**

Company: **Must Have Perennials**

Height / Diameter (in): 1 / 2

Quantity Planted: 2 Survival: **50%**

Unique and ornamental foliage provides year round interest in the garden; foliage starts off red then softens to a white and green with pink edge; small plants; no flowers; low maintenance.



Name: **Helleborus**

Variety: **Pike's Peak**

Common name: **Helleborus**

Company: **Must Have Perennials**

Height / Diameter (in): 3.5 / 4.5

Quantity Planted: 3 Survival: **83%**

Small plants of highly serrated silver gray leaves; unique and ornamental foliage provides year round interest in the garden; no flowers; low maintenance.



Name: **Helleborus**

Variety: **Snowshoe Mountain**

Common name: **Helleborus**

Company: **Must Have Perennials**

Height / Diameter (in): 2 / 4

Quantity Planted: 3 Survival: **67%**

Unique and ornamental foliage provides year round interest in the garden; white and green speckled foliage with red stems; small plants; no flowers; low maintenance.



Name: **Heuchera**

Variety: **Changeling**

Common name: **Coral Bells**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 5 / 7

Quantity Planted: 3 Survival: **50%**

Attractive mounds of lovely, color changing foliage; new leaves are a reddish color turning to a yellow color then to a shade of green; a wonderful addition to your garden; rabbit resistant; low maintenance.



Name: **Heuchera**

Variety: **Peach Smoothie**

Common name: **Coral Bells**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 5 / 9

Quantity Planted: 3 Survival: **83%**

Attractive mounds of foliage that are peach-orange shades; another wonderful heuchera for your garden; rabbit resistant; low maintenance; good for borders and containers.



Name: **Heuchera**

Variety: **Summer Haze Dark Pink**

Common name: **Coral Bells**

Company: **Must Have Perennials**

Height / Diameter (in): 5 / 8

Quantity Planted: 3 Survival: **100%**

Upright habit; mounds of lush, bright green foliage; an abundance of tall flower stalks held well above the foliage; large dark pink flowers that contrast with the foliage; rabbit resistant; low maintenance.



Name: **Heuchera**

Variety: **Summer Haze Light Pink**

Common name: **Coral Bells**

Company: **Must Have Perennials**

Height / Diameter (in): 3 / 6

Quantity Planted: 3 Survival: **100%**

Upright habit; mounds of lush, bright green foliage; tall flower stalks that soar above the foliage; large light pink and white flowers; rabbit resistant; low maintenance.



Name: **Heuchera**

Variety: **Summer Haze White**

Common name: **Coral Bells**

Company: **Must Have Perennials**

Height / Diameter (in): 2 / 5

Quantity Planted: 5 Survival: **100%**

Upright habit; mounds of lush, bright green foliage; an abundance of tall flower stalks held well above the foliage; large white flowers; rabbit resistant; low maintenance.



Name: **Heuchera hybrid**

Variety: **Forever Midnight**

Common name: **Coral Bells**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 5 / 7

Quantity Planted: 5 Survival: **67%**

Attractive mounds of heavily ruffled deep purple-black leaves; rabbit resistant; low maintenance; good for borders and containers.



Name: **Lavandula angustifolia**

Variety: **Annet**

Common name: **Lavender**

Company: **Darwin Perennials**

Height / Diameter (in): 8 / 9

Quantity Planted: 5 Survival: **33%**

Compact, well-branched plants; scented, green colored foliage; purple flower spikes are sturdy- good for cuts; bloomed in August; pollinator friendly; rabbit resistant; struggling to survive.



Name: **Lavandula angustifolia**

Variety: **SuperBlue**

Common name: **Lavender**

Company: **Darwin Perennials**

Height / Diameter (in): **8 / 12**

Quantity Planted: **1** Survival: **44%**

Compact, well-branched plants; scented, green colored foliage; fragrant purple flower spikes bloomed July through September then sporadically until November; good for drying; rabbit resistant; pollinator friendly.



Name: **Nepeta xfaassenii**

Variety: **Junior Walker**

Common name: **Nepeta**

Company: **Darwin Perennials**

Height / Diameter (in): **8 / 12**

Quantity Planted: **1** Survival: **89%**

Compact plants with scented gray-green foliage; sterile lavender colored flower spikes; bloomed from June to September; rabbit resistant; drought tolerant; attracts pollinators; easy to maintain.



Name: **Penstemon hybrid**

Variety: **Nova Pearl 72**

Common name: **Penstemon**

Company: **Terra Nova Nurseries**

Height / Diameter (in): **5.5 / 7**

Quantity Planted: **1** Survival: **89%**

Tight, upright clumps of green foliage; clear white tubular shaped flowers; bloomed in August; attracts pollinators; low maintenance.



Name: **Penstemon hybrid**

Variety: **Parade of Parrots**

Common name: **Penstemon**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 12 / 8.5

Quantity Planted: 1 Survival: **22%**

Compact plants with deep green foliage; very upright; strong stems that support large magenta-pink colored tubular flowers; bloomed in October; low maintenance.



Name: **Phygелиus xrectus**

Variety: **Colorburst Rose**

Common name: **Cape Fuchsia**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 8 / 4

Quantity Planted: 2 Survival: **100%**

These Cape Fuchsias have struggled since they were planted; pendulous bright-rose colored tubular flowers; bloomed in August.



Name: **Phygелиus xrectus**

Variety: **Colorburst Yellow**

Common name: **Cape Fuchsia**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 11 / 5

Quantity Planted: 2 Survival: **100%**

These Cape Fuchsias have struggled since they were planted; pendulous clear yellow colored tubular flowers; bloomed sporatically from mid-June through August.



Name: **Rudbeckia xhybrida**

Variety: **MiniBeckia Double Flame**

Common name: **Rudbeckia**

Company: **GardenChoice Plants**

Height / Diameter (in): 17 / 12

Quantity Planted: 1 Survival: 0%

Compact, uniform, well branched plants; mounding habit; double orange colored flowers; continuous bloomer- from June through September; attracts pollinators; low maintenance; short lived perennial; died winter 2024-2025.

Name: **Rudbeckia xhybrida**

Variety: **MiniBeckia Fire**

Common name: **Rudbeckia**

Company: **GardenChoice Plants**

Height / Diameter (in): 16 / 12

Quantity Planted: 1 Survival: 0%

Compact, uniform, well branched plants; mounding habit; bountiful, bicolored flowers- orange with rusty-red centers; continuous bloomer- from June through mid-October; attracts pollinators; low maintenance; short lived perennial; died winter 2024-2025.



Name: **Rudbeckia xhybrida**

Variety: **MiniBeckia Flame**

Common name: **Rudbeckia**

Company: **GardenChoice Plants**

Height / Diameter (in): 14 / 12

Quantity Planted: 1 Survival: 0%

Compact, uniform, well branched plants; mounding habit; bicolored flowers- golden yellow with red centers; continuous bloomer- from June through August; attracts pollinators; low maintenance; short lived perennial; died winter 2024-2025.



Name: **Salvia nemorosa**

Variety: **Blue By You**

Common name: **Salvia**

Company: **Darwin Perennials**

Height / Diameter (in): 12 / 15

Quantity Planted:) Survival: **100%**

Uniform, compact, well branched plants; sturdy spikes of dark purple flowers bloomed from June through November; great flower power; attracts pollinators.



Name: **Sedum cauticola**

Variety: **Shamrock**

Common name: **Sedum**

Company: **Darwin Perennials**

Height / Diameter (in): 1.5 / 2

Quantity Planted:) Survival: **0%**

Small leafed groundcover; succulent foliage is green-brown tinged with pink; needs to grow on the dry side; died in August.

Name: **Sedum telephium**

Variety: **Conga Line**

Common name: **Sedum**

Company: **Terra Nova Nurseries**

Height / Diameter (in): 5 / 4

Quantity Planted:) Survival: **89%**

Short, upright and compact plants; succulent foliage goes from green to purple to burgundy; peach colored flower clusters bloomed in August and September; needs to grow on the dry side.



Name: **Veronica longifolia**

Variety: **Skyward Lilac**

Common name: **Speedwell**

Company: **Darwin Perennials**

Height / Diameter (in): **8 / 8.5**

Quantity Planted: **1** Survival: **22%**

Compact, upright habit; lots of flower power; covered with sturdy stems of lilac flower spikes; long blooming, from June through October; magnet for pollinators; low maintenance.

