

## 2002 CULTIVAR TRIALS OF BEDDING PLANTS

[Barbara A. Laschkewitsch](#)

Trial Garden Coordinator

[Dr. Ronald C. Smith](#)

Extension Horticulturist

Department of Plant Sciences  
North Dakota State University  
Fargo, ND

---

[Click here](#) for:

Star Performers  
Top Performers  
Height & Spread Measurements  
Visual Observations  
Seed Source List

---

### Introduction

The Plant Sciences Department at NDSU conducted performance trials on almost 400 annual bedding plants during the 2002 growing season. The main research garden is located in Fargo, on the west edge of the NDSU campus. Trials are also conducted at the research extension centers in Dickinson and Williston, ND. Official entries (usually 150-200 cultivars) are grown at all three locations. An additional

100-150 unofficial cultivars are also grown at the Fargo site for evaluation over the course of the season.

The display gardens are for educational and research purposes. They are open to the public throughout the growing season and guided tours are available upon request.

The trial garden is an official display garden of both the All-America Selections and the American Hemerocallis Society. Currently, there are over 1100 cultivars of daylilies in the collection with plans for more. There are also over 300 miscellaneous perennials and ornamental grasses.

## Culture

Cultivars were seeded in the horticulture and forestry greenhouses on the NDSU campus from January through April. When at the proper stage, seedlings were transplanted into cell packs containing a peat-based growing medium. Exceptions to this were entries by Fischer USA, Inc. and Jackson and Perkins Wholesale. Those plants were received as rooted cuttings and potted into cell packs upon arrival.

Six to twelve plants of each cultivar were transplanted into the field at the Fargo plots on May 30 through June 5. Six plants of each cultivar were planted in Dickinson on May 22 and six plants of each cultivar were planted in Williston on May 24 and May 28. Plants were watered in with Sterns Miracle-Gro<sup>®</sup> (15-30-15) water soluble fertilizer.

Overhead irrigation was applied as needed in Fargo and Dickinson while Williston had drip irrigation in place.

Weeding was done by hand at all three stations. Razor<sup>®</sup> and Surflan AS<sup>®</sup> were also used at the Fargo plots.

## Site Information

### Fargo

The main trial garden is located in Fargo on the west side of the NDSU campus. The soil is a heavy clay and irrigation is applied with overhead sprinklers when needed. The beds are in full sunlight so shade has been provided with shade cloth draped over conduit forms. A new shade house has been postponed due to possible relocation of the research plots. Table 1 shows weather data for Fargo from 2002 and the 30 year averages from 1971-2000.

**Table 1.** 2002 and 1971-2000 May - August Average Temperature and Precipitation for Fargo, ND.

|  | Temperature (F) | Precipitation |
|--|-----------------|---------------|
|--|-----------------|---------------|

|        | Average | Average | Totals | Average |
|--------|---------|---------|--------|---------|
| May    | 51      | 57.4    | 2.75   | 2.61    |
| June   | 70      | 66      | 3.73   | 3.51    |
| July   | 74      | 70.6    | 5.43   | 2.88    |
| August | 69      | 69      | 2.85   | 2.52    |

## Dickinson

The Dickinson trial garden is located at the Research Extension Center on the west side of State street. The soil here is a lighter, sandier soil than Fargo and the weather tends to be drier. Shade plants were grown in raised beds under natural shade for the second year. In 2001 begonias and impatiens did very well in this area but in 2002 their performance was very poor. One possible reason is a cool period, including temperatures below 32°F, two days after planting. Fertility in the beds was not checked but may not have been adequate. Table 2 shows weather data for Dickinson from 2002 and the 30 year averages from 1971-2000.

**Table 2.** 2002 and 1971-2000 May - August Average Temperature and Precipitation for Dickinson, ND.

|        | Temperature (F) |         | Precipitation |         |
|--------|-----------------|---------|---------------|---------|
|        | Average         | Average | Totals        | Average |
| May    | 49.5            | 53.4    | 1.64          | 2.24    |
| June   | 65              | 62.4    | 4.85          | 3.57    |
| July   | 74              | 68.1    | 2.89          | 2.20    |
| August | 67              | 67.3    | 2.46          | 1.65    |

## Williston

This is the second year that Williston has been an official part of the trial program. The garden is located at the Research Extension Center on Highway 2 west of Williston. The soil here is also lighter than in Fargo. Drip irrigation is used for supplemental watering and shade plants are grown in the natural shade of pine trees. Table 3 shows weather data for Williston.

**Table 3.** 2002 and 1971-2000 May - August Average Temperature and Precipitation for Williston, ND.

|  | Temperature (F) | Precipitation |
|--|-----------------|---------------|
|--|-----------------|---------------|

|        | <b>Average</b> | <b>Average</b> | <b>Totals</b> | <b>Average</b> |
|--------|----------------|----------------|---------------|----------------|
| May    | 49.5           | 57.1           | 0.61          | 2.09           |
| June   | 64.5           | 65.7           | 3.18          | 2.72           |
| July   | 73             | 71.1           | 1.86          | 2.45           |
| August | 65.5           | 70.2           | 1.11          | 1.63           |

## Evaluations

Plants were evaluated twice over the growing season for height, spread, vigor, uniformity and overall appearance. In Fargo the first evaluation took place July 22 and 23, while the second one was August 29 and 30. In Dickinson plants were evaluated July 10 and September 5, and in Williston on July 11 and September 6. The Fargo plants were also evaluated for frost tolerances after a light frost occurred.

## Field Days

The sixth annual flowers, ornamental grasses and turf grass field day was held the morning of Saturday, August 3, 2002. We had our biggest turnout this year and were pleased with comments made concerning the trial garden. Field days in Dickinson and Williston were held July 10 and 11 respectively, in conjunction with field days at the stations.

## Acknowledgements

Thanks to the official supporters of the 2002 gardens: All-America Selections; Ball Seed Company; Ernst Benary of America, Inc.; Fischer USA, Inc.; Jackson and Perkins Wholesale; PanAmerican Seed; and Syngenta Seeds, Inc. The support of these companies is greatly appreciated and we hope results from our efforts are beneficial in their research for new and improved cultivars.

Thanks also to the following: Jerry Larson, county extension agent for Stark/Billings counties in western North Dakota; Kris Ringwall and the staff at the Dickinson Research Extension Center; and Lorna Bradbury and the staff at the Williston Research Extension Center. The bedding plant trial evaluation program would not be possible in the western part of the state without help from these talented and dedicated people.

---

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 North Dakota Agriculture Experiment Station is implied.

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

---

[ [Back to 2003 Annual Report Index](#) ] [ [Back to Horticulture Reports](#) ]

[ [DREC Home](#) ] [ [Contact DREC](#) ] [ [Top of Page](#) ]

---

## Frost Tolerances

After a 28°F temperature at 8:00 am on October 9 in Fargo, notes were taken on how the plants reacted to the temperature. The following table shows which plants had no damage, which had less than 50% damage, which had more than 50% damage and which had 90-100% damage. Only the genus is listed unless there was a definite difference between cultivars or species within a genus.

| Frost Tolerances - Fargo Trial Garden |                                    |                                     |  |
|---------------------------------------|------------------------------------|-------------------------------------|--|
| Low tolerance (90-100% damage)        | Low-medium tolerance (>50% damage) | Medium-high tolerance (<50% damage) | High tolerance (0% damage)             |
| <i>Begonias</i>                       | <i>Alternanthera</i>               | <i>Ageratum</i>                     | <i>Abutilon</i>                        |
| <i>Celosia</i>                        | <i>Capsicum</i> 'Explosive Ember'  | <i>Asclepias</i>                    | <i>Agastache</i>                       |
| <i>Cosmos</i>                         | <i>Catharanthus</i>                | <i>Capsicum</i> 'Chilly Chili'      | <i>Antirrhinum</i>                     |
| <i>Helianthus</i>                     | <i>Cleome</i>                      | <i>Cardiospermum</i>                | <i>Asarina</i>                         |
| <i>Hypoestes</i>                      | <i>Ipomoea</i> (Cypress Vine)      | <i>Cobaea</i>                       | <i>Chrysanthemum</i>                   |
| <i>Impatiens</i>                      | <i>Ipomoea</i> 'Heavenly Blue'     | <i>Incarvillea</i>                  | <i>Dianthus</i>                        |
| <i>Ipomoea</i> (Cardinal Climber)     | <i>Ipomoea</i> 'Minibar Rose'      | <i>Malope</i>                       | <i>Dracaena</i>                        |
| <i>Ipomoea</i> (Firecracker Vine)     | <i>Lablab</i>                      | <i>Monarda</i>                      | <i>Eucalyptus</i>                      |
| <i>Kochia</i>                         | <i>Limonium</i>                    | <i>Pelargonium</i> - Zonals         | <i>Eustoma</i>                         |
| <i>Melampodium</i>                    | <i>Pennisetum glaucum</i>          | <i>Tagetes</i>                      | <i>Fuchsia</i>                         |
| <i>Ocimum</i>                         | <i>Phaseolus</i>                   | <i>Tithonia</i>                     | <i>Gaillardia</i>                      |
| <i>Portulaca</i>                      | <i>Torenia</i>                     | <i>Tropaeolum</i>                   | <i>Gazania</i>                         |
| <i>Salvia coccinea</i>                |                                    |                                     | <i>Gypsophila</i>                      |
| <i>S. splendens</i>                   |                                    |                                     | <i>Helichrysum</i>                     |
| <i>Spilanthes</i>                     |                                    |                                     | <i>Kniphofia</i>                       |
| <i>Zinnia</i>                         |                                    |                                     | <i>Lavandula</i>                       |
|                                       |                                    |                                     | <i>Lobularia</i>                       |
|                                       |                                    |                                     | <i>Nicotiana</i>                       |
|                                       |                                    |                                     | <i>Nierembergia</i>                    |
|                                       |                                    |                                     | <i>Osteospermum</i>                    |
|                                       |                                    |                                     | <i>Pelargonium</i> - Exotics, Cascades |
|                                       |                                    |                                     | <i>Pennisetum setaceum</i>             |
|                                       |                                    |                                     | <i>Petunias</i>                        |
|                                       |                                    |                                     | <i>Rudbeckia</i>                       |
|                                       |                                    |                                     | <i>Salvia farinacea</i>                |
|                                       |                                    |                                     | <i>S. patens</i>                       |
|                                       |                                    |                                     | <i>Sarvitalia</i>                      |
|                                       |                                    |                                     | <i>Scabiosa</i>                        |
|                                       |                                    |                                     | <i>Stipa</i>                           |
|                                       |                                    |                                     | <i>Trachelium</i>                      |
|                                       |                                    |                                     | <i>Verbena</i>                         |
|                                       |                                    |                                     | <i>Viola</i>                           |

2002 TOP PERFORMERS

| 2002 TOP PERFORMERS   |                                 |                                |                                 |                                |                                 |
|---|---------------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|
| Top performers are those that received either *, **, or *** during either evaluation time as seen on the 'Height and Spread Measurements Table' on pages 11-21. |                                 |                                |                                 |                                |                                 |
| Fargo   |                                 | Dickinson                      |                                 | Williston                      |                                 |
| July 22,23  | Aug. 29,30                      | 10-Jul                         | 5-Sep                           | 11-Jul                         | 6-Sep                           |
| Ageratum 'Fields Blue'  | Ageratum 'Blue Horizon'         | Nicotiana 'Avalon Bright Pink' | Agastache 'Golden Jubilee'      | Dianthus 'Corona Cherry Magi'  | Agastache 'Golden Jubilee'      |
| Ageratum 'Leilani Blue'   | Ageratum 'Fields Blue'          | Nierembergia 'Summer Splash'   | Alternanthera 'Purple Knight'   | Dianthus 'Melody Pink'         | Alternanthera 'Purple Knight'   |
| Ageratum 'Neptune Blue'   | Ageratum 'Leilani Blue'         | Petunia hybrida cultivars:     | Capsicum 'Chilly Chili'         | Nicotiana 'Avalon Bright Pink' | Capsicum 'Chilly Chili'         |
| Antirrhinum 'Bells Mixture'   | Alternanthera 'Purple Knight'   | 'Bravo Blue'                   | Capsicum 'Explosive Ember'      | Nierembergia 'Compact Summ'    | Capsicum 'Explosive Ember'      |
| Antirrhinum 'Floral Showers'  | Antirrhinum 'Floral Showers'    | 'Bravo Lavender'               | Catharanthus 'Big Ruby'         | Osteospermum 'Passion Mix'     | Catharanthus 'Big Ruby'         |
| Asarina 'Joan Lorraine'   | Asarina 'Joan Lorraine'         | 'Bravo Salmon Imp'             | Catharanthus 'Jaio Dark Red'    | Pelargonium cultivars:         | Catharanthus 'Jaio Scarlet Eye' |
| Asarina 'Mystic Pink'   | Asarina 'Mystic Pink'           | 'Bravo White'                  | Catharanthus 'Pacifica Icy Pin' | 'Appleblossom'                 | Catharanthus 'Pacifica Icy Pin' |
| Begonia 'Dragon Wing Pink'  | Begonia 'Dragon Wing Pink'      | 'Giant Purple Surfinia'        | Catharanthus 'Stardust Orchid'  | 'Avenida'                      | Catharanthus 'Sunstorm'         |
| Begonia 'Olympia Sprint Bicol   | Begonia 'Olympia Sprint Bicol   | 'Tidal Wave Silver'            | Catharanthus 'Sunstorm Aprico   | 'Bravo Dark Pink'              | Catharanthus 'Sunstorm Bright'  |
| Begonia 'Partyfun'  | Begonia 'Olympia Sprint Red'    | Zinnia 'Profusion Orange'      | Catharanthus 'Sunstorm Bright'  | 'Charleston 2001'              | Catharanthus 'Sunstorm'         |
| Begonia 'Super Olympia Pink'  | Begonia 'Party Red-Bronze Lea   |                                | Catharanthus 'Sunstorm Lilac'   | 'Happy Orange'                 | Dianthus 'Amazon Neon Duo'      |
| Begonia 'Super Olympia Red'   | Begonia 'Partyfun'              |                                | Catharanthus 'Sunstorm White'   | 'Red-Mini-Cascade'             | Dianthus 'Cancan Scarlet'       |
| Begonia 'Super Olympia Rose'  | Begonia 'Queen Pink'            |                                | Cosmos 'Cosmic Orange'          | 'Rocky Mtn. Red'               | Dianthus 'Corona Cherry'        |
| Begonia 'Vodka'   | Begonia 'Super Olympia Pink'    |                                | Dianthus 'Amazon Neon Duo'      | 'Rumba Fire'                   | Dianthus 'Melody Pink'          |
| Capsicum 'Chilly Chili'   | Begonia 'Super Olympia Red'     |                                | Dianthus 'Melody Pink'          | 'Swing 2001'                   | Fuchsia 'Snowfire Angel Earrin' |
| Capsicum 'Explosive Ember'  | Begonia 'Super Olympia Rose'    |                                | Gaillardia 'Sundance Bicolor'   | 'Tango Pink'                   | Gaillardia 'Sundance Bicolor'   |
| Cardiospermum (Love-in-a-Pu   | Begonia 'Super Olympia White'   |                                | Gazania 'Gazoo Red w/Ring'      | 'Tango Violet'                 | Nicotiana 'Avalon Bright Pink'  |
| Catharanthus 'Jaio Scarlet Eye'   | Begonia 'Vodka'                 |                                | Gazania 'Tiger Mix'             | 'Tricolor'                     | Nierembergia 'Compact Summ'     |
| Catharanthus 'Sunstorm Orchi  | Capsicum 'Chilly Chili'         |                                | Nicotiana 'Avalon Bright Pink'  | 'Wilhelm Langguth'             | Nierembergia 'Summer Splash'    |
| Celosia 'New Look'  | Capsicum 'Explosive Ember'      |                                | Nierembergia 'Compact Summ'     | Petunia hybrida cultivars:     | Pelargonium cultivars:          |
| Celosia 'Pink Candle'   | Cardiospermum (Love-in-a-Pu     |                                | Nierembergia 'Summer Splash'    | 'Bravo Salmon Imp.'            | 'Appleblossom'                  |
| Celosia 'Purple Flamingo'   | Catharanthus 'Big Ruby'         |                                | Pelargonium cultivars:          | 'Bravo White'                  | 'Atlantis '96'                  |
| Cleome 'Solo'   | Catharanthus 'First Kiss Coral' |                                | 'Acapulco-Comp.-Cascade'        | 'Giant Purple Surfinia'        | 'Black Magic Rose'              |
| Cleome 'Sparkler Blush'   | Catharanthus 'Jaio Scarlet Eye' |                                | 'Atlantis '96'                  | Rudbeckia 'Toto Lemon'         | 'Bravo Dark Pink'               |
| Cleome 'Cosmic Orange'  | Catharanthus 'Sunstorm Aprico   |                                | 'Avenida'                       | Rudbeckia 'Toto Rustic'        | 'Charmant '98'                  |
| Cleome 'Ladybird Mix'   | Catharanthus 'Sunstorm White'   |                                | 'Black Magic Rose'              | Salvia 'Salvador Red'          | 'Happy Orange'                  |
| Dianthus 'Amazon Neon Duo'  | Celosia 'Flamingo Feather'      |                                | 'Calypto 2001'                  | Spilanthes 'Peek-A-Boo'        | 'Happy Violet'                  |
| Dianthus 'Diamond Blush Pink'   | Celosia 'New Look'              |                                | 'Happy Orange'                  | Verbena 'Salmon Tapien'        | 'Kardino 2001'                  |
| Dianthus 'First Love'   | Celosia 'Pink Candle'           |                                | 'Happy Violet'                  | Viola 'Ultimo Morpho'          | 'Lila-Mini-Cascade'             |
| Dianthus 'Melody Pink'  | Celosia 'Prestige Scarlet'      |                                | 'Lila-Mini-Cascade'             |                                | 'Montevideo'                    |
| Dianthus 'Velvet 'N Lace'   | Celosia 'Purple Flamingo'       |                                | 'Red-Mini-Cascade'              |                                | 'Red-Mini-Cascade'              |
| Eustoma 'Echo Blue'   | Cleome 'Sparkler Blush'         |                                | 'Rocky Mtn. Red'                |                                | 'Rocky Mtn. Red'                |
| Eustoma 'Echo Mix'  | Dianthus 'Amazon Neon Duo'      |                                | 'Tricolor'                      |                                | 'Schoene Helena'                |
| Eustoma 'Echo Pink Picotee'   | Eustoma 'Forever Blue'          |                                | 'White Glitter'                 |                                | 'Shalimar'                      |
| Eustoma 'Forever Blue'  | Gaillardia 'Sundance Bicolor'   |                                | 'Wilhelm Langguth'              |                                | 'Tango'                         |
| Eustoma 'Heidi Hybrid'  | Gazania 'Gazoo Yellow w/Ring'   |                                | Pennisetum (Fountain Grass)     |                                | 'Tango Light Orchid'            |
| Gaillardia 'Sundance Bicolor'   | Gypsophila 'Garden Bride'       |                                | Pennisetum 'Purple Majesty'     |                                | 'Tango Neon Purple'             |
| Gazania 'Gazoo Yellow w/Ring'   | Hypoestes 'Confetti Mix'        |                                | Petunia hybrida cultivars:      |                                | 'Tango Orange'                  |
| Gypsophila 'Garden Bride'   |                                 |                                | 'Bravo Lavender'                |                                | 'Tricolor'                      |
| Impatiens hawkerii cultivars:   | Impatiens hawkerii cultivars:   |                                | Petunia hybrida (cont.)         |                                | Pelargonium (cont.)             |
| 'Sonic Fuchsia'   | 'Sonic Fuchsia'                 |                                | 'Giant Purple Surfinia'         |                                | 'White Glitter'                 |
| 'Sonic Orange'  | 'Sonic Salmon'                  |                                | 'Lavender Wave'                 |                                | 'Wilhelm Langguth'              |
| 'Sonic Peach'   | 'Super Sonic Lavender'          |                                | 'Lime Surfinia'                 |                                | Pennisetum (Fountain Grass)     |
| 'Super Sonic Magenta'   | 'Super Sonic Pastel Pink'       |                                | 'Madness Magenta'               |                                | Petunia hybrida cultivars:      |
| 'Super Sonic Pastel Pink'   | Impatiens wallerana cultivars:  |                                | 'Madness Waterfall'             |                                | 'Bravo Lavender'                |
| 'Super Sonic Peach'   | 'Accent Limited Edition Mix'    |                                | 'Merlin Blue Morn'              |                                | 'Bravo Salmon Imp.'             |
| Impatiens wallerana cultivars:  | 'Accent Pastel Mix'             |                                | 'Pink Wave Improved'            |                                | 'Easy Wave Pink'                |
| 'Dazzler Star Mix'  | 'Accent Peppermint Mix'         |                                | 'Prism Sunshine'                |                                | 'Giant Purple Surfinia'         |
| 'Fanciful Coral'  | 'Accent Star Mix'               |                                | 'Tidal Wave Silver'             |                                | 'Lavender Wave'                 |
| Ipomoea (Cypress Vine)  | 'Bruno Blush'                   |                                | Rudbeckia 'Autumn Colors'       |                                | 'Lime Surfinia'                 |
| Lablab (Hyacinth Bean)  | 'Dazzler Orange Improved'       |                                | Rudbeckia 'Prairie Sun'         |                                | 'Madness Magenta'               |
| Limonium 'Soiree Mix'   | 'Dazzler Rose Swirl'            |                                | Salvia patens 'Blue Angel'      |                                | 'Merlin Blue Morn'              |
| Limonium 'Sunset'   | 'Dazzler Star Mix'              |                                | S. splendens 'Blue Ribbon'      |                                | 'Prism Sunshine'                |
| Lobularia 'Golf'  | 'Fanciful Coral'                |                                | S. splendens 'Salvador Red'     |                                | 'Tidal Wave Silver'             |
| Lobularia 'Pastel Carpet'   | 'Fanciful Orchid Rose'          |                                | Spilanthes 'Peek-A-Boo'         |                                | Rudbeckia 'Autumn Colors'       |
| Lobularia 'Snow Crystals'   | 'Fanciful Red'                  |                                | Tagetes patula 'Bonanza Boler   |                                | Rudbeckia 'Prairie Sun'         |
| Nierembergia 'Compact Summ  | 'Fanciful Salmon'               |                                | T. patula 'Bonanza Harmony'     |                                | Salvia splendens 'Blue Ribbon'  |
| Nierembergia 'Purple Robe'  | 'Mosaic Coral'                  |                                | T. patula 'Durango Yellow Imp   |                                | S. splendens 'Salvador Red'     |
| Nierembergia 'Summer Splash   | 'Mosaic Lilac'                  |                                | Tithonia 'Fiesta del Sol'       |                                | Spilanthes 'Peek-A-Boo'         |
| Pelargonium cultivars:  | 'Mosaic Violet'                 |                                | Torenia 'Summer Wave Amethy     |                                | Tagetes patula 'Bonanza Boler   |
| 'Acapulco-Comp.-Cascade'  | 'Swirl Coral Improved'          |                                | Verbena 'Salmon Tapien'         |                                | T. patula 'Bonanza Harmony'     |
| 'Black Magic Rose'  | 'Victorian Rose'                |                                | Verbena 'Temari Bright Coral'   |                                | T. patula 'Durango Red'         |
| 'Happy Orange'  | Ipomoea (Firecracker Vine)      |                                | Verbena 'Temari Rose'           |                                | T. patula 'Durango Tangerine'   |
| 'Happy Violet'  | Lablab (Hyacinth Bean)          |                                | Viola 'Ultimo Morpho'           |                                | T. patula 'Durango Yellow Imp   |
| 'Lila-Mini-Cascade'   | Limonium 'Soiree Mix'           |                                | Zinnia 'Profusion Cherry'       |                                | Tithonia 'Fiesta del Sol'       |
| 'Maverick Mix'  | Limonium 'Sunset'               |                                | Zinnia 'Profusion Orange'       |                                | Zinnia 'Profusion Cherry'       |
| 'Red-Mini-Cascade'  | Lobularia 'Pastel Carpet'       |                                | Zinnia 'Profusion White'        |                                |                                 |
| 'Tricolor'  | Monarda 'Lambada'               |                                | Zinnia 'Zinnita White'          |                                |                                 |
| Petunia hybrida cultivars:  | Nierembergia 'Compact Summ      |                                |                                 |                                |                                 |
| 'Blue Wave'   | Nierembergia 'Purple Robe'      |                                |                                 |                                |                                 |
| 'Double Cascade Orchid Mix'   | Nierembergia 'Summer Splash     |                                |                                 |                                |                                 |
| 'Double Madness Sheer Imp.'   | Ocimum 'Magical Michael'        |                                |                                 |                                |                                 |
| 'Fantasy Blue'  | Pelargonium cultivars:          |                                |                                 |                                |                                 |
| 'Fantasy Crystal Light Salm   | 'Acapulco-Comp.-Cascade'        |                                |                                 |                                |                                 |
| 'Fantasy Crystal Red'   | 'Black Magic Rose'              |                                |                                 |                                |                                 |
| 'Fantasy Ivory'   | 'Bravo Dark Pink'               |                                |                                 |                                |                                 |
| 'Fantasy Light Lavender'  | 'Happy Orange'                  |                                |                                 |                                |                                 |
| 'Fantasy Pink Morn'   | 'Happy Violet'                  |                                |                                 |                                |                                 |
| 'Fantasy Rose'  | 'Maverick Mix'                  |                                |                                 |                                |                                 |
| 'Lavender Wave'   | 'Omega 2000'                    |                                |                                 |                                |                                 |
| 'Madness Waterfall'   | 'Tango Pink'                    |                                |                                 |                                |                                 |
| 'Misty Lilac Wave'  | 'Tricolor'                      |                                |                                 |                                |                                 |
| 'Pink Wave Improved'  | 'Wilhelm Langguth'              |                                |                                 |                                |                                 |
| Petunia hybrida (cont.)   | Pennisetum (Fountain Grass)     |                                |                                 |                                |                                 |

|                                |                                 |  |  |  |  |
|--------------------------------|---------------------------------|--|--|--|--|
| 'PrimeTime Blue'               | Pennisetum 'Purple Majesty'     |  |  |  |  |
| 'PrimeTime Lavender'           | Petunia hybrida cultivars:      |  |  |  |  |
| 'PrimeTime Pink'               | 'Blue Wave'                     |  |  |  |  |
| 'Purple Wave'                  | 'Bravo Lavender'                |  |  |  |  |
| 'Rambling Burgundy Chrome'     | 'Double Cascade Orchid Mix'     |  |  |  |  |
| 'Tidal Wave Cherry'            | 'Double Madness Sheer Imp.'     |  |  |  |  |
| 'Tidal Wave Silver'            | 'Fantasy Blue'                  |  |  |  |  |
| 'Trailing Purple'              | 'Fantasy Carmine'               |  |  |  |  |
| Phaseolus (Scarlet Runner Bea  | 'Fantasy Crystal Red'           |  |  |  |  |
| Portulaca 'Margarita Rosita'   | 'Fantasy Ivory'                 |  |  |  |  |
| Portulaca 'Sundial Peach'      | 'Fantasy Light Lavender'        |  |  |  |  |
| Salvia farinacea 'Reference'   | 'Fantasy Pink Morn'             |  |  |  |  |
| S. splendens 'Blue Ribbon'     | 'Fantasy Rose'                  |  |  |  |  |
| Spilanthes 'Peek-A-Boo'        | 'Lavender Wave'                 |  |  |  |  |
| Stipa 'Angel Hair'             | 'Madness Magenta'               |  |  |  |  |
| Tagetes erecta 'Antigua Primro | 'Madness Waterfall'             |  |  |  |  |
| T. erecta 'Discovery Yellow'   | 'Merlin Blue Morn'              |  |  |  |  |
| T. erecta 'Perfection Yellow'  | 'Misty Lilac Wave'              |  |  |  |  |
| T. patula 'Bonanza Bolero'     | 'Pink Storm'                    |  |  |  |  |
| T. patula 'Bonanza Harmony'    | 'Pink Wave Improved'            |  |  |  |  |
| T. patula 'Durango Bolero'     | 'PrimeTime Blue'                |  |  |  |  |
| T. patula 'Durango Red'        | 'PrimeTime Carmine'             |  |  |  |  |
| T. patula 'Durango Yellow Imp  | 'PrimeTime Lavender'            |  |  |  |  |
| Verbena 'Merlot Mix Improved'  | 'PrimeTime Pink'                |  |  |  |  |
| Verbena 'Quartz Waterfall Mix' | 'PrimeTime White'               |  |  |  |  |
| Zinnia 'Benary's Giant Mix'    | 'Purple Wave'                   |  |  |  |  |
| Zinnia 'Park's Picks Mix'      | 'Rambling Burgundy Chrome'      |  |  |  |  |
| Zinnia 'Peter Pan Mix'         | 'Tidal Wave Cherry'             |  |  |  |  |
| Zinnia 'Profusion Cherry'      | 'Tidal Wave Silver'             |  |  |  |  |
| Zinnia 'Profusion Orange'      | 'White Storm'                   |  |  |  |  |
| Zinnia 'Profusion White'       | Phaseolus (Scarlet Runner Bea   |  |  |  |  |
| Zinnia 'Short Stuff Mix'       | Rudbeckia 'Autumn Colors'       |  |  |  |  |
| Zinnia 'Zinnita Orange'        | Rudbeckia 'Cherokee Sunset'     |  |  |  |  |
| Zinnia 'Zinnita Yellow'        | Rudbeckia 'Indian Summer'       |  |  |  |  |
|                                | Rudbeckia 'Prairie Sun'         |  |  |  |  |
|                                | Salvia coccinea 'Snow Nymph'    |  |  |  |  |
|                                | S. farinacea 'Reference'        |  |  |  |  |
|                                | S. patens 'Blue Angel'          |  |  |  |  |
|                                | S. splendens 'Blue Ribbon'      |  |  |  |  |
|                                | Salvia splendens 'Firecracker R |  |  |  |  |
|                                | S. splendens 'Salsa Mix'        |  |  |  |  |
|                                | S. splendens 'Vista Mix'        |  |  |  |  |
|                                | Sanvitalia 'Aztec Gold'         |  |  |  |  |
|                                | Spilanthes 'Peek-A-Boo'         |  |  |  |  |
|                                | Stipa 'Angel Hair'              |  |  |  |  |
|                                | Tagetes erecta 'Antigua Gold'   |  |  |  |  |
|                                | T. erecta 'Perfection Gold'     |  |  |  |  |
|                                | T. patula 'Bonanza Bolero'      |  |  |  |  |
|                                | T. patula 'Durango Red'         |  |  |  |  |
|                                | T. patula 'Durango Tangerine'   |  |  |  |  |
|                                | Tithonia 'Fiesta del Sol'       |  |  |  |  |
|                                | Torenia 'Summer Wave Amethy     |  |  |  |  |
|                                | Verbena 'Temari Rose'           |  |  |  |  |
|                                | Viola 'Ultimo Morpho'           |  |  |  |  |
|                                | Zinnia 'Benary's Giant Mix'     |  |  |  |  |
|                                | Zinnia 'Park's Picks Mix'       |  |  |  |  |
|                                | Zinnia 'Peter Pan Mix'          |  |  |  |  |
|                                | Zinnia 'Profusion Cherry'       |  |  |  |  |
|                                | Zinnia 'Profusion Orange'       |  |  |  |  |

2002 Star Performers

Star performers received \*, \*\* or \*\*\* during both evaluation times as seen on the 'Height and Spread Measurements Table' on pages 11-21.

| Fargo                            |                                | Dickinson                         |  | Williston                       |  |
|----------------------------------|--------------------------------|-----------------------------------|--|---------------------------------|--|
| Ageratum 'Fields Blue'           | Pelargonium cultivars (cont.): | Nicotiana 'Avalon Bright Pink'    |  | Dianthus 'Corona Cherry Magic'  |  |
| Ageratum 'Leilani Blue'          | 'Happy Orange'                 | Nierembergia 'Summer Splash Blue' |  | Dianthus 'Melody Pink'          |  |
| Antirrhinum 'Floral Showers'     | 'Happy Violet'                 | Petunia hybrida cultivars:        |  | Nicotiana 'Avalon Bright Pink'  |  |
| Asarina 'Joan Lorraine'          | 'Maverick Mix'                 | 'Bravo Lavender'                  |  | Nierembergia 'Compact Summer'   |  |
| Asarina 'Mystic Pink'            | 'Tricolor'                     | 'Tidal Wave Silver'               |  | Pelargonium cultivars:          |  |
| Begonia 'Dragon Wing Pink'       | Petunia hybrida cultivars:     | 'Giant Purple Surfinia'           |  | 'Appleblossom'                  |  |
| Begonia 'Olympia Sprint Bicol'   | 'Blue Wave'                    | Zinnia 'Profusion Orange'         |  | 'Bravo Dark Pink'               |  |
| Begonia 'Partyfun'               | 'Double Cascade Orchid Mix'    |                                   |  | 'Happy Orange'                  |  |
| Begonia 'Super Olympia Pink'     | 'Double Madness Sheer Imp.'    |                                   |  | 'Red-Mini-Cascade'              |  |
| Begonia 'Super Olympia Red'      | 'Fantasy Blue'                 |                                   |  | 'Rocky Mtn. Red'                |  |
| Begonia 'Super Olympia Rose'     | 'Fantasy Crystal Red'          |                                   |  | 'Tricolor'                      |  |
| Begonia 'Vodka'                  | 'Fantasy Ivory'                |                                   |  | 'Wilhelm Langguth'              |  |
| Capsicum 'Chilly Chili'          | 'Fantasy Light Lavender'       |                                   |  | Petunia 'Bravo Salmon Improved' |  |
| Capsicum 'Explosive Ember'       | 'Fantasy Pink Morn'            |                                   |  | Petunia 'Giant Purple Surfinia' |  |
| Cardiospermum (Love-in-a-Pu)     | 'Fantasy Rose'                 |                                   |  | Salvia 'Salvador Red'           |  |
| Catharanthus 'Jaio Scarlet Eye'  | 'Lavender Wave'                |                                   |  | Spilanthes 'Peek-A-Boo'         |  |
| Celosia 'New Look'               | 'Madness Waterfall'            |                                   |  |                                 |  |
| Celosia 'Pink Candle'            | 'Misty Lilac Wave'             |                                   |  |                                 |  |
| Celosia 'Purple Flamingo'        | 'Pink Wave Improved'           |                                   |  |                                 |  |
| Cleome 'Sparkler Blush'          | 'PrimeTime Blue'               |                                   |  |                                 |  |
| Dianthus 'Amazon Neon Duo'       | 'PrimeTime Lavender'           |                                   |  |                                 |  |
| Eustoma 'Forever Blue'           | 'PrimeTime Pink'               |                                   |  |                                 |  |
| Gaillardia 'Sundance Bicolor'    | 'Purple Wave'                  |                                   |  |                                 |  |
| Gazania 'Gazoo Yellow w/Ring'    | 'Rambling Burgundy Chrom'      |                                   |  |                                 |  |
| Gypsophila 'Garden Bride'        | 'Tidal Wave Cherry'            |                                   |  |                                 |  |
| Impatiens hawkerii 'Sonic Fuc'   | 'Tidal Wave Silver'            |                                   |  |                                 |  |
| I. hawkerii 'Super Sonic Pastel' | Phaseolus (Scarlet Runner Bea) |                                   |  |                                 |  |
| I. wallerana 'Dazzler Star Mix'  | Salvia farinacea 'Reference'   |                                   |  |                                 |  |
| I. wallerana 'Fanciful Coral'    | S. splendens 'Blue Ribbon'     |                                   |  |                                 |  |
| Lablab (Hyacinth Bean)           | Spilanthes 'Peek-A-Boo'        |                                   |  |                                 |  |
| Limonium 'Soiree Mix'            | Stipa 'Angel Hair'             |                                   |  |                                 |  |
| Limonium 'Sunset'                | Tagetes patula 'Bonanza Boler' |                                   |  |                                 |  |
| Lobularia 'Pastel Carpet'        | T. patula 'Durango Red'        |                                   |  |                                 |  |
| Nierembergia 'Compact Summ'      | Zinnia 'Benary's Giant Mix'    |                                   |  |                                 |  |
| Nierembergia 'Purple Robe'       | Zinnia 'Park's Picks Mix'      |                                   |  |                                 |  |
| Nierembergia 'Summer Splash'     | Zinnia 'Peter Pan Mix'         |                                   |  |                                 |  |
| Pelargonium cultivars:           | Zinnia 'Profusion Cherry'      |                                   |  |                                 |  |
| 'Acapulco-Comp.-Cascade'         | Zinnia 'Profusion Orange'      |                                   |  |                                 |  |
| 'Black Magic Rose'               |                                |                                   |  |                                 |  |







|  |                |         |                        |          |         |         |          |          |         |         |          |          |  |
|--|----------------|---------|------------------------|----------|---------|---------|----------|----------|---------|---------|----------|----------|--|
| Cascade Geraniums  |                |         |                        |          |         |         |          |          |         |         |          |          |  |
| Acapulco-Comp.-Cascade (FG)                                  | **6-7          | **12-14 | *8-10                  | *18-20   | 8-Apr   | 10-Aug  | *10-12   | *18-20   | 6-Apr   | 10-Aug  | 10-Aug   | 15-22    |  |
| Lila-Mini-Cascade (FG)                                       | **6-7          | **12-14 | 8-Jun                  | 13-15    | 5-Apr   | 9-Jul   | **8-10   | **15-18  | 6-Apr   | 12-Aug  | *8-10    | *15-20   |  |
| Red-Mini-Cascade (FG)  | **6-7          | **12-14 | 8-Jun                  | 13-15    | 5-Apr   | 12-Jun  | **8-10   | **18-20  | *4-6    | *10-12  | **8-10   | **15-20  |  |
| Silver-Cascade-Pink (FG)                                     | 8-Jun          | 15-Oct  | 8-Jun                  | 14-18    | 5-Apr   | 10-Aug  | 8-Jun    | 16-Dec   | 6       | 10-12   | 9-Jun    | 15-18    |  |
| PAC White Compt. Cascade (FG)                                | 8-Jun          | 15-Oct  | 10-Aug                 | 14-Dec   | 5-Apr   | 10-Jul  | 8-Jun    | 16-Dec   | 6       | 12-Aug  | 10-Aug   | 18-22    |  |
| Pennisetum glaucum 'Purple Majesty' (AAS '03)                | 25-30          | 24-Dec  | *36-60                 | *24-30   | 36      | 15-Dec  | **to 5'  | **to 2'  |         |         |          |          |  |
| Pennisetum setaceum (Fountain Grass) (Pk)                    | 12-30"         | 12-30"  | **30-36"               | **24-36" | ( )     | ( )     | **40-48" | **36-40" | 12-18"  | 12-15"  | **30-40" | **18-30" |  |
| Petunia hybrida - F1 hybrids                                 |                |         |                        |          |         |         |          |          |         |         |          |          |  |
| Stars and Stripes Mix (Ball)                                 | 12-Aug         | 16-Dec  | 15-Oct                 | 18-Dec   | 9-12"   | 12-15"  | ?        | ?        | 8-Jun   | 14-Oct  | 18-Dec   | 14-18    |  |
| Old Glory (Ball)   | 10-Mar         | 12-Mar  | 15-Oct                 | 16-Dec   | 8-Jun   | 14-Oct  | 14-16    | 14-18    | 10-Jun  | 12-Aug  | 14-22    | 18-22    |  |
| P. hybrida - Floribunda                                      |                |         |                        |          |         |         |          |          |         |         |          |          |  |
| Double Madness Pink Satin (Ball)                             | 10-Aug         | 12-Aug  | 12-Oct                 | 14-Dec   |         |         |          |          |         |         |          |          |  |
| Double Madness Sheer Improved (Ball)                         | *8-10          | *10-12  | *8-10                  | *10-15   |         |         |          |          |         |         |          |          |  |
| Madness Clear Mix (Ball)                                     | 10-Jun         | 14-Jun  | 12-Oct                 | 15-Aug   | 12-Jul  | 14-Oct  | 15-18    | ?15-20   | 8-Jun   | 10-Aug  | 16-Dec   | 15-20    |  |
| Madness Magenta (Ball)                                       | 10-Aug         | 12-Aug  | *8-12                  | *8-15    | 8-Jun   | 14-Dec  | **15-18  | **15-20  | 8       | 10      | **10-12  | **12-16  |  |
| Madness Waterfall Mix (Ball)                                 | *8-12          | *8-14   | **10-15                | **12-16  | 12-Aug  | 12-Oct  | **15-20  | **15-20  | 10-Jun  | 14-Oct  | 18-Dec   | 15-18    |  |
| P. hybrida -Grandiflora                                      |                |         |                        |          |         |         |          |          |         |         |          |          |  |
| Bravo Blue (S&G)   | 12-Jun         | 15-Jun  | 14-Jun                 | 16-Dec   | **10-12 | **12-14 | 18-Dec   | 15-20    | 10-Aug  | 12-Aug  | 15-20    | 18-22    |  |
| Bravo Lavender (S&G)   | 12-Aug         | 15-Jun  | **10-16                | **14-18  | **9-12  | **12-15 | **14-18  | **22-28  | 10-Aug  | 12-Aug  | **14-16  | **14-18  |  |
| Bravo Red (S&G)  | 8-Mar          | 12-Mar  | 12-Jun                 | 14-Jun   | 8-Jun   | 12-Oct  | 15-Dec   | 15-20    | 8-Jun   | 12-Oct  | 15-Dec   | 16-20    |  |
| Bravo Salmon Improved (S&G)                                  | 10-Jul         | 14-Aug  | 12-Aug                 | 14-Aug   | **8-10  | **12-14 | 15-Dec   | 15-20    | **6-8   | **12-14 | *10-12   | *12-15   |  |
| Bravo White (S&G)  | 10-Jun         | 14-Jun  | 14-Jun                 | 14-Jun   | **10-12 | **12-14 | 15-20    | 20-24    | **10-12 | **12-14 | 14-Dec   | 15-20    |  |
| Double Cascade Mix (PAS)                                     | 12-Jun         | 12-Aug  | 10-Jun                 | 12-Oct   |         |         |          |          |         |         |          |          |  |
| Double Cascade Orchid Mix (PAS)                              | **10-14        | **12-15 | **12-18                | **14-18  |         |         |          |          |         |         |          |          |  |
| Double Cascade Plum Vein (PAS)                               | 8-Jun          | 10-Jun  | 10-Jun                 | 12-Oct   |         |         |          |          |         |         |          |          |  |
| Double Cascade Soft Pink (PAS)                               | 10-Apr         | 12-Mar  | 14-Aug                 | 15-Dec   |         |         |          |          |         |         |          |          |  |
| Dreams Mix - Patriot (PAS)                                   | 10-Jun         | 14-Jun  | 12-Jun                 | 16-Oct   | 10-Jun  | 14-Oct  | 14-18    | 18-24    | 10-Jun  | 12-Aug  | 12-Oct   | 18-Dec   |  |
| Dreams Mix - Waterfall (PAS)                                 | 9-May          | 8-May   | 10-Jun                 | 12-Oct   |         |         |          |          |         |         |          |          |  |
| Lavender Storm (GS)  | 8-Jun          | 8-Jun   | 10-Jun                 | 12-Jun   |         |         |          |          |         |         |          |          |  |
| Pink Morn Storm (GS)   | 10-Jun         | 12-Jun  | 12-Jun                 | 16-May   |         |         |          |          |         |         |          |          |  |
| Pink Storm (GS)  | 8-Jun          | 12-Jun  | *8-10                  | *12-16   |         |         |          |          |         |         |          |          |  |
| Prism Sunshine (AAS '98)                                     | 10-Jul         | 14-Jun  | 14-Oct                 | 14-18    | 10-Aug  | 14-Dec  | **15-18  | **22-24  | 8-Jun   | 14-Oct  | **10-14  | **14-18  |  |
| Salmon Storm (GS)  | 8-Apr          | 10-May  | 10-Aug                 | 14-Oct   |         |         |          |          |         |         |          |          |  |
| White Storm (GS)   | 12-Aug         | 14-Oct  | **10-12                | **12-16  |         |         |          |          |         |         |          |          |  |
| P. hybrida -Hedgiflora                                       |                |         |                        |          |         |         |          |          |         |         |          |          |  |
| Tidal Wave Cherry (Ball)                                     | **10-15        | **20-30 | **15-20                | **to 4'  |         |         |          |          |         |         |          |          |  |
| Tidal Wave Silver (PAS, AAS '02)                             | **10-12        | **20-24 | **15-20                | **to 4'  | **to 12 | **to 20 | **to 24" | **to 5'? | 10-Jun  | 15-18   | **7-16   | **36-40+ |  |
| P. hybrida -Milliflora                                       |                |         |                        |          |         |         |          |          |         |         |          |          |  |
| Fantasy Blue (GS)  | *3-8           | *4-12   | **10-12                | **14-16  |         |         |          |          |         |         |          |          |  |
| Fantasy Carmine (GS)   | 8-Apr          | 12-Apr  | *8-12                  | *10-18   |         |         |          |          |         |         |          |          |  |
| Fantasy Crystal Light Salmon (GS)                            | *4-8           | *6-12   | 12-Aug                 | 15-Oct   |         |         |          |          |         |         |          |          |  |
| Fantasy Crystal Red (GS)                                     | **8            | **10    | **9-10                 | **14-16  |         |         |          |          |         |         |          |          |  |
| Milliflora petunia (cont.) Fantasy Ivory (GS)                |                |         |                        |          |         |         |          |          |         |         |          |          |  |
| Fantasy Light Lavender (GS)                                  | *4-8           | *8-15   | **8-12                 | **12-16  |         |         |          |          |         |         |          |          |  |
| Fantasy Pink (GS)  | 8-Apr          | 12-May  | 12-Apr                 | 16-Jun   |         |         |          |          |         |         |          |          |  |
| Fantasy Pink Morn (GS, AAS '96)                              | *4-8           | *8-12   | **8-10                 | **12-15  |         |         |          |          |         |         |          |          |  |
| Fantasy Red (GS)   | 8-Apr          | 12-Jun  | 14-Aug                 | 15-Aug   |         |         |          |          |         |         |          |          |  |
| Fantasy Rose (GS)  | *4-8           | *8-12   | *10-11                 | *14-16   |         |         |          |          |         |         |          |          |  |
| Fantasy Salmon (GS)  | 6-Apr          | 10-Jun  | 10-Aug                 | 15-Dec   |         |         |          |          |         |         |          |          |  |
| P. hybrida -Multiflora                                       |                |         |                        |          |         |         |          |          |         |         |          |          |  |
| Merlin Blue Morn (AAS '03)                                   | 12-Aug         | 12-Aug  | **10-14                | **12-15  | 8-10"   | 12-14"  | **14-16" | **15-20" | 8-10"   | 8-10"   | **14-18" | **18-20" |  |
| PrimeTime Blue (GS)  | *10-14         | *12-15  | **14-16                | **15-18  |         |         |          |          |         |         |          |          |  |
| PrimeTime Carmine (GS)                                       | 12-Jun         | 15-Jun  | *12-14                 | *12-18   |         |         |          |          |         |         |          |          |  |
| PrimeTime Lavender (GS)                                      | **10-14        | **12-15 | **14-18                | **16-20  |         |         |          |          |         |         |          |          |  |
| PrimeTime Light Blue (GS)                                    | 10-Jun         | 12-Jun  | 14-Aug                 | 18-Dec   |         |         |          |          |         |         |          |          |  |
| PrimeTime Mid-blue (GS)                                      | 12-Aug         | 15-Aug  | 14-Aug                 | 24-Dec   |         |         |          |          |         |         |          |          |  |
| PrimeTime Pink (GS)  | *7-10          | *8-14   | **14-18                | **14-20  |         |         |          |          |         |         |          |          |  |
| PrimeTime Red (GS)   | 8-Jun          | 1-Aug   | 10-Jun                 | 14-Aug   |         |         |          |          |         |         |          |          |  |
| PrimeTime Red Frost (GS)                                     | 8-Jun          | 12-Aug  | 8-Jun                  | 12-Aug   |         |         |          |          |         |         |          |          |  |
| PrimeTime Rose Frost (GS)                                    | 8-Jun          | 12-May  | 12-Jun                 | 15-Aug   |         |         |          |          |         |         |          |          |  |
| PrimeTime Salmon (GS)  | 8-Jun          | 12-Jun  | 12-Aug                 | 16-Oct   |         |         |          |          |         |         |          |          |  |
| PrimeTime Scarlet (GS)                                       | 10-Jun         | 12-Jun  | 15-Oct                 | 16-Dec   |         |         |          |          |         |         |          |          |  |
| PrimeTime White (GS)   | 10-Aug         | 12-Oct  | **12-15                | **14-18  |         |         |          |          |         |         |          |          |  |
| P. hybrida -Spreading  |                |         |                        |          |         |         |          |          |         |         |          |          |  |
| Blue Wave (PAS, AAS '03)                                     | *4-6           | *14-20  | **6-7                  | **18-30  | 6-Apr   | to 18   | 6-8?     | ?        | 5-Mar   | 14-18   | 8-Jun    | 24-30    |  |
| Easy Wave Pink (PAS)   | 6-Apr          | 12-Aug  | 7-Apr                  | 14-18    | 4-Feb   | 15-Dec  | 6-8?     | ?        | 4       | 14-Dec  | *4-6     | *20-30   |  |
| Giant Purple Surfinia (J&P)                                  | 6-May          | 12-Jun  | 6-Mar                  | 18-Apr   | **to 6  | **to 15 | **6-8    | **to 5'? | **2-4   | **16-18 | **5-7    | **36-40+ |  |
| Lavender Wave (PAS, AAS '02)                                 | *4-5           | *20-24  | **6-8                  | **to 3'  | 2       | 15-Dec  | **6-8    | **to 4'? | 2-Jan   | 16-Dec  | **4-7    | **30-36  |  |
| Lime Surfinia (J&P)  | 6-Apr          | 12-Aug  | 5-Mar                  | 20-Dec   | 4-Feb   | to 12   | **4-6    | **to 5'? | 3-Feb   | 16-Oct  | *3-5     | *24-30   |  |
| Misty Lilac Wave (PAS)                                       | *6             | *12-20  | **6-8                  | **30-36  |         |         |          |          |         |         |          |          |  |
| Pink Veined Surfinia (J&P)                                   | 6-Apr          | 14-Dec  | 5-Mar                  | 18-20    | 4-Feb   | 10-Aug  | 8-Jun    | ?        | 3-Jan   | 15-Dec  | 6-Mar    | 18-24    |  |
| Pink Wave Improved (PAS)                                     | **3            | **12-15 | *5                     | **24-30  | 2       | 15-Dec  | **6-8?   | **?      | 2-Jan   | 14-Dec  | 6-Apr    | 24-30    |  |
| Purple Wave (AAS '95)  | *4-5           | *14-20  | **4-6                  | **24-30  |         |         |          |          |         |         |          |          |  |
| Rambling Burgundy Chrome (GS)                                | *6-10          | *15-18  | **12-18                | **24-36  |         |         |          |          |         |         |          |          |  |
| Rambling Shades O' Pink (GS)                                 | 10-Jun         | 20-Jun  | 14-Oct                 | 20-Dec   |         |         |          |          |         |         |          |          |  |
| Trailing Purple (Gri)  | *6-7           | *8-15   | 7-Jun                  | 18-22    |         |         |          |          |         |         |          |          |  |
| Phaseolus coccineus(Scarlet Runner Bean) 'Scarlet Emperor' ( |                |         |                        |          |         |         |          |          |         |         |          |          |  |
|  | **vining to 5' |         | **vining well - to 6'? |          |         |         |          |          |         |         |          |          |  |
| Portulaca grandiflora 'Margarita Rosita' (AAS '01)           | **5-6"         | **8-12" | 6-8"                   | 10-12"   | 3-Jan   | 5-Jan   | 7-Jun    | 12-Oct   | 3       | 6       | 5-Mar    | 9-Jun    |  |
| P. grandiflora 'Sundial Peach' (AAS '99)                     | **4-7          | **12-15 | 5-Apr                  | 14-16    | gone    |         | gone     |          | 3-Feb   | 10-Aug  | 6-May    | 12-Oct   |  |
| Rudbeckia hirta 'Autumn Colors' (Ben)                        | 14-Apr         | 12-Aug  | *13-18                 | *14-18   | 10-Jun  | 10-Aug  | *18-24   | *15-22   | 8-Jun   | 12-Aug  | **20-22  | **24-26  |  |
| Rudbeckia hirta 'Cherokee Sunset' (AAS '02)                  | 10-16"         | 8-12"   | **22-28"               | **14-20" | 6-12"   | 8-10"   | 24-30"   | 18-20"   | 6-10"   | 8-10"   | 18-24"   | 12-22"   |  |
| R. hirta 'Cordoba' (Ben)                                     | 8-Mar          | 10-Mar  | 10-Aug                 | 12-Jun   | 6-Apr   | 6-Apr   | 10-Jun   | 9-Jun    | 7-Apr   | 8-Apr   | 12-Oct   | 10-Aug   |  |

|  |         |         |         |         |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
|--|---------|---------|---------|---------|--------|--------|----------|----------|--------|---------|----------|----------|--|--|--|--|--|--|--|
| R. hirta 'Indian Summer' (AAS '95)               | 14-Aug  | 14-Oct  | *24-28  | *12-20  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| R. hirta 'Prairie Sun' (Ben, AAS '03)            | 16-Apr  | 12-Jun  | **22-28 | **12-20 | 10-Apr | 10-Jun | *24-30   | *18-22   | 8-Jun  | 10-Aug  | ***20-24 | ***22-24 |  |  |  |  |  |  |  |
| R. hirta 'Toto Lemon' (Ben)                      | 7-Mar   | 6-Mar   | 8-Jun   | 10-Jun  | 6-Mar  | 5-Feb  | 8-May    | 8-Mar    | *4-8   | *6-8    | 14-Jul   | 12-Aug   |  |  |  |  |  |  |  |
| R. hirta 'Toto Rustic' (Ben)                     | 10-Mar  | 7-Mar   | 10-Jun  | 10-May  | 5-Apr  | 4      | gone     |          | *4-8   | *4-7    | 11-Jun   | 12-Jul   |  |  |  |  |  |  |  |
| Salvia coccinea 'Snow Nymph' (Pk)                | 14-20   | 14-Dec  | **24-26 | **14-18 |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| S. farinacea 'Reference' (Ben)                   | *10-18  | *8-12   | *14-18  | *8-14   |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| S. patens 'Blue Angel' (Ben)                     | 20-Dec  | 10-Aug  | *24-26  | *14-16  | 12-Jun | 8-Jun  | **24-36  | **15-22  | 12-Apr | 8-May   | 20-26    | 18-20    |  |  |  |  |  |  |  |
| S. splendens 'Blue Ribbon' (PAS)                 | *8-12   | *6-12   | *12-14  | *11-14  | 8-Apr  | 8-Apr  | *12-18   | *12-18   | 10-Jun | 10-Jun  | *14-16   | *14-16   |  |  |  |  |  |  |  |
| S. splendens 'Firecracker Red' (Gri)             | 6-Mar   | 8-Mar   | *7-12   | *8-12   |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| S. splendens 'Salsa Mix' (GS)                    | 14-Aug  | 10-Jun  | *10-14  | *10-12  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| S. splendens 'Salvador Red' (S&G)                | 12-May  | 10-Mar  | 12-Aug  | 12-Jun  | 6-Feb  | 5-Feb  | **10-12  | **10-13  | **6-8  | **6-8   | **10-14  | **10-12  |  |  |  |  |  |  |  |
| S. splendens 'Vista Mix' (PAS)                   | 12-Mar  | 10-Mar  | *10-14  | *10-12  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| Sanvitalia speciosa 'Aztec Gold' (Ben)           | 6-Mar   | 10-Mar  | **4-6   | **12-16 |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| Scabiosa atropurpurea 'QJS Scarlet' (Pk)         | 14-18   | 14-Oct  | 16-18   | 15-Dec  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| S. atropurpurea 'Sweet Scabious Mix' (Pk)        | 14-24   | 14-Oct  | 18-20   | 15-Dec  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| Senecio cineraria 'Cirrus' (Pk)                  | 6-Apr   | 8-Jun   | 10-Aug  | 12-Jun  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| Spilanthes oleracea 'Peek-A-Boo' (PAS)           | **7-8   | **10-12 | **8-10  | **10-12 | 5-Apr  | 10-Aug | **8-12   | **15-20  | **5    | **8     | **8-10   | **14-16  |  |  |  |  |  |  |  |
| Stipa tenuissima 'Angel Hair' (Pk)               | **14-16 | **10-12 | **22-24 | **12-15 |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| Tagetes erecta 'Antigua Gold' (GS)               | 12-Oct  | 15-Dec  | **14-16 | **16-20 |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| T. erecta 'Antigua Orange' (GS)                  | 10-Jun  | 10-Jun  | 10-Jun  | 14-Aug  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| T. erecta 'Antigua Primrose' (GS)                | **12-14 | **12-15 | 14-Dec  | 14-18   |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| T. erecta 'Antigua Yellow' (GS)                  | 10-Aug  | 12-Aug  | 12-Aug  | 14-Oct  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| T. erecta 'Discovery Orange' (Bod)               | 10-Jun  | 10-Jul  | 10-Jun  | 12-Jul  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| T. erecta 'Discovery Yellow' (Bod)               | *8-12   | *8-14   | 14-Dec  | 14-Dec  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| T. erecta 'Inca II Gold' (GS)                    | 12-Aug  | 12-Aug  | 15-Dec  | 14-18   |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| T. erecta 'Inca II Orange' (GS)                  | 14-Jul  | 15-Aug  | 18-Dec  | 18-Aug  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| T. erecta 'Inca II Primrose' (GS)                | 12-Oct  | 12-Aug  | 14-Aug  | 16-Aug  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| T. erecta 'Inca II Yellow' (GS)                  | 10-Aug  | 12-Aug  | 12      | 14-Dec  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| T. erecta 'Perfection Gold' (GS)                 | 15-Dec  | 16-Oct  | **20-24 | **20-22 |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| T. erecta 'Perfection Orange' (GS)               | 14-Jun  | 12-Jul  | 14-16   | 15-Dec  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| T. erecta 'Perfection Yellow' (GS)               | *14-16  | *12-16  | 18-20   | 20-24   |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| T. patula 'Bonanza Bolero' (AAS '99)             | **8-10  | **10-12 | *12     | *12-15  | 8-Apr  | 10-Jun | **10-13  | **14-16  | 8-Apr  | 8-Mar   | **6-12   | **8-14   |  |  |  |  |  |  |  |
| T. patula 'Bonanza Harmony' (PAS)                | *6-10   | *8-14   | 12-Oct  | 14-Dec  | 8-Jun  | 12-Jun | *10-14   | *14-20   | 6      | 8-Jun   | *8-12    | *10-15   |  |  |  |  |  |  |  |
| T. patula 'Durango Bolero' (PAS)                 | *6-12   | *8-14   | 18-Oct  | 16-Oct  | 6-Apr  | 8-Jun  | 10-Aug   | 12-Aug   | 8-Jun  | 8-Jun   | 12-Oct   | 14-Dec   |  |  |  |  |  |  |  |
| T. patula 'Durango Mix' (PAS)                    | 12-Aug  | 14-Aug  | 16-Oct  | 15-Aug  | 8-Jun  | 10-Jun | 13-Oct   | 15-18    | 10-May | 10-Jun  | 16-Dec   | 14-16    |  |  |  |  |  |  |  |
| Tagetes patula 'Durango Red' (PAS)               | *8-12"  | *8-15"  | *10-15" | *10-16" | 6-8"   | 6-10"  | 8-12"    | 10-15"   | 4-10"  | 4-10"   | **10-14" | **10-15" |  |  |  |  |  |  |  |
| T. patula 'Durango Tangerine' (PAS)              | 12-Aug  | 14-Oct  | *14-16  | *15-18  | 6-Apr  | 9-Aug  | 12-Aug   | 15-Dec   | 8      | 10      | **12-14  | **14-18  |  |  |  |  |  |  |  |
| T. patula 'Durango Yellow Improved' (PAS)        | **6-12  | **10-14 | 14-Dec  | 14-Dec  | 8-Jun  | 10-Aug | **13-15  | **14-16  | 8-Jun  | 10-Aug  | **11-12  | **14-16  |  |  |  |  |  |  |  |
| Tithonia rotundifolia 'Fiesta del Sol' (AAS '00) | 20-Mar  | 15-Mar  | *18-22  | *18-20  | 9-Jul  | 12-Aug | **20-24  | **22-24  | 10-Jun | 10-Jun  | **18-20  | **18-22  |  |  |  |  |  |  |  |
| T. rotundifolia 'Torch' (Pk)                     | 24-40   | 20-36   | to 4'   | 30-36   |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| Torenia fournieri 'Summer Wave Amethyst' (J&P)   | 4-Feb   | 12-Aug  | **3-6   | **8-14  | 2      | 6-Apr  | *3-5     | *8-12    | 3-Feb  | 6-Mar   | 2        | 6-Apr    |  |  |  |  |  |  |  |
| Trachelium caeruleum 'Passion in Violet' (Da)    | 7-Mar   | 6-Mar   | 12-Jun  | 10-Jun  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| Tropaeolum majus 'Alaska' (Pk)                   | 10-Apr  | 12-Jun  | 12-Aug  | 18-Dec  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| T. majus 'Empress of India' (Pk)                 | 10-Jun  | 10-Aug  | 12-Aug  | 15-Aug  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| T. majus 'Moonlight' (Pk)                        | 10-Aug  | 16-Dec  | 14-Oct  | 18-24   |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| T. majus 'Whirlybird Blend' (Pk)                 | 10-Jun  | 14-Aug  | 14-Aug  | 24-Dec  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| Verbena x hybrida 'Liberty For All' (Ball)       | 8-Jun   | 12-Jun  | 9-Aug   | 15-Dec  | 6-Apr  | 10-Jul | 9-Jul    | 14-Dec   | 6-Apr  | 10-Aug  | 8-May    | 12-Aug   |  |  |  |  |  |  |  |
| V. x hybrida 'Merlot Mix Improved' (Ball)        | *6-8    | *8-14   | 8       | 12-Oct  | 7-Mar  | 8-Mar  | 8-Jun    | 15-Aug   | 6-Mar  | 8-Jun   | 8-Jun    | 12-Aug   |  |  |  |  |  |  |  |
| V. x hybrida 'Quartz Burgundy' (AAS '99)         | 9-Aug   | 12-Aug  | 10-Aug  | 12-Oct  | 6-Mar  | 8-Apr  | 9-Jul    | 12-Aug   |        |         |          |          |  |  |  |  |  |  |  |
| V. x hybrida 'Quartz Burgundy w/ Eye' (PAS)      | 8-Jun   | 10-Jun  | 8-Jun   | 16-Dec  | 5-Apr  | 8-Apr  | 9-Jul    | 14-Oct   | 6-Apr  | 10-Aug  | 8-May    | 12-Aug   |  |  |  |  |  |  |  |
| V. x hybrida 'Quartz Waterfall Mix' (PAS)        | *6-10   | *6-12   | 9-Aug   | 15-Oct  | 6      | 9-Jul  | 10-Aug   | 15-Dec   | 7-Jun  | 10-Aug  | 8-May    | 14-Oct   |  |  |  |  |  |  |  |
| V. x hybrida 'Salmon Tapien' (J&P)               | 3-Feb   | 12-Jun  | 3-Feb   | 18-Oct  | 3-Feb  | 14-Oct | **4-6    | **14-18  | **2    | **10-12 | 5-Mar    | 12-Aug   |  |  |  |  |  |  |  |
| V. x hybrida 'Temari Bright Coral' (J&P)         | 6       | 6       | 8       | 14      | 6-Apr  | 10-Apr | **7-13   | **8-15   | 6-Mar  | 8-May   | 8-Jun    | 12-Aug   |  |  |  |  |  |  |  |
| V. x hybrida 'Temari Rose' (J&P)                 | 7-Apr   | 14-Oct  | *4-6    | *15-20  | 5-Mar  | 15-Dec | **7-10   | **20-24  | 4-Feb  | 12-Aug  | 8-Jun    | 14-18    |  |  |  |  |  |  |  |
| Viola wittrockiana 'Ultimo Morpho' (AAS '02)     | 6-Mar   | 6-Mar   | *4-7    | *6-10   | 3      | 5      | **7-8    | **10-12  | **5-6  | **6-8   | 9-Jun    | 8-Jun    |  |  |  |  |  |  |  |
| Zinnia angustifolia 'Crystal White' (AAS '97)    | 8-Apr   | 12-May  | 11-Jul  | 14-Oct  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| Z. angustifolia 'Star Bright Mix' (Pk)           | 10-May  | 10-Apr  | 10-Jul  | 14-Aug  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| Z. elegans 'Benary's Giant Mix' (Ben)            | **22-30 | **10-15 | **20-30 | **14-18 |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| Z. elegans 'Park's Picks Mix' (Pk)               | **20-25 | **10-15 | **20-30 | **14-16 |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| Z. elegans 'Peter Pan Mix' (GS)                  | **8     | **8-12  | *8-12   | *8-15   |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| Z. elegans 'Short Stuff Mix' (GS)                | **4-6   | **3-10  | 8-Jun   | 10-Jun  |        |        |          |          |        |         |          |          |  |  |  |  |  |  |  |
| Z. elegans 'Zinnita Orange' (Ben)                | *4-7    | *4-8    | 8-Jun   | 12-Aug  | 8-Feb  | 8-Feb  | 14-Oct   | 15-Dec   | 6-Feb  | 8-Jan   | 10-Aug   | 15-Oct   |  |  |  |  |  |  |  |
| Z. elegans 'Zinnita Yellow' (Ben)                | *4-9    | *4-10   | 12-Aug  | 14-Aug  | 6-Apr  | 8-Apr  | 12-Aug   | 15-Dec   | 6-Apr  | 7-Jan   | 18-Jun   | 18-Aug   |  |  |  |  |  |  |  |
| Z. elegans 'Zinnita White' (Ben)                 | 7-Apr   | 8-Mar   | 10-Aug  | 12-Jun  | 9-May  | 10-Jun | *14-20   | *14-18   | 8-May  | 8-May   | 14-Jun   | 14-Aug   |  |  |  |  |  |  |  |
| Z. hybrid 'Profusion Cherry' (AAS '99)           | **6-8   | **10-12 | **10-12 | **12-15 | 10-Jun | 12-Jun | ***15-24 | ***18-24 | 7-Apr  | 10-Jun  | **12-14  | **18-24  |  |  |  |  |  |  |  |
| Z. hybrid 'Profusion Orange' (AAS '99)           | **6-8   | **6-12  | *8-12   | *10-14  | **6-10 | **8-12 | ***15-24 | ***14-20 | 8-May  | 10-May  | 14-Dec   | 15-20    |  |  |  |  |  |  |  |
| Z. hybrid 'Profusion White' (AAS '01)            | *3-8    | *3-10   | 10-Aug  | 14-Aug  | 10-Apr | 8-Jun  | *14-22   | *14-18   | 8-Jun  | 8       | 14-Dec   | 15-20    |  |  |  |  |  |  |  |

| Visual Observations  |  |   |   |
|--|--|---|---|
| NDSU Bedding Plant Trials - 2002                           |  |   |   |
|  | Fargo  | Dickinson   | Williston   |
| Cultivar tested (seed source)                              | July 22, 23 and August 29,30   | July 10 and September 5   | July 11 and September 6   |
| A. x hybridum 'Bella Apricot' (PAS)                        | Pale orange; Best bloom after July; not uniform in bloom time but sizes were similar.  |   |   |
| A. x hybridum 'Bella Coral Deep' (PAS)                     | Deep salmon; Lacked uniformity in height all season.   |   |   |
| A. x hybridum 'Bella Pink' (PAS)                           | Salmony pink; Most vigorous Abutilon in August; lacked uniformity in size and bloom early; best bloom in August.             | Pale pink; Good vigor all season but not uniform in size.   | Not uniform in size or bloom all season; not as vigorous here as in Dickinson and Fargo.  |
| A. x hybridum 'Bella Red' (PAS)                            | Salmony red; Good bloom all season but not uniform in size.  |   |   |
| A. x hybridum 'Bella Salmon' (PAS)                         | Pale salmon; Good bloom all season but not uniform in bloom time.  |   |   |
| Agastache cana 'Heather Queen' (Pk)                        | Rosy-mauve; Not as vigorous as it's been in the past; just starting to bloom by the end of July.                             |   |   |
| A. foeniculum 'Blue Spike' (Pk)                            | Dusty blue; Good vigor all season but not uniform in size or bloom.  |   |   |
| A. foeniculum 'Golden Jubilee' (AAS '03)                   | Dusty blue with greenish yellow leaves; Just starting to bloom at end of July; not uniform in size; nice colors.             | Not uniform in size all season; just starting to bloom in early July; healthy at end of season with a good show of color. | Not blooming in July but uniform and vigorous; at the end of the season it was very nice with good bloom, vigor and uniformity. |
| Ageratum houstonianum 'Azure Pearl' (WG)                   | Blue; Lacked uniformity in size all season but bloom was fairly good.  |   |   |
| A. houstonianum 'Blue Horizon' (Pk)                        | Blue; Lacked uniformity in size early but by August was uniform and floriferous with a nice show of blue.                    |   |   |
| A. houstonianum 'Fields Blue' (S&G)                        | Blue; Had good bloom all season; lacked uniformity in size early but was better by August; nice sea of blue.                 |   |   |
| A. houstonianum 'Hawaii Shell Pink' (Pk)                   | Pale pink; Lacked uniformity in size early but was better in August; good bloom all season.                                  |   |   |
| A. houstonianum 'Leilani Blue' (GS)                        | Blue; Good bloom in July but not uniform in height; not quite as showy as 'Blue Horizon' in August but nicer in July.        |   |   |
| A. houstonianum 'Neptune Blue' (GS)                        | Blue; Putting on a nice show in July but by August was one of the poorer ageratum with poor vigor and uniformity.            |   |   |
| A. houstonianum 'Silver Pearl' (WG)                        | White; Lacked uniformity in size and bloom in July; by August had good vigor and bloom but deadheads detracted.              |   |   |
| Alternanthera dentata 'Purple Knight' (PAS)                | Burgundy foliage - no flowers; Looked nice in July but was really vigorous and showy in August.                              | Nice all season but very nice in September with good vigor; foliage was a nice burgundy color.                            | This had more vigor in Dickinson overall but was still nice here, especially in September.                                      |
| Antirrhinum majus (Snapdragons) 'Bells Mix' (GS)           | Uniform in size in July but slightly past a flush of bloom; by August it wasn't as floriferous or uniform as some others.    |   |   |
| A. majus 'Floral Showers' (Pk)                             | Uniform in size in July but slightly past a flush of bloom; one of the nicer snaps in August with good bloom and uniformity. |   |   |
| A. majus 'LaBella Mixture' (GS)                            | Good color mix but lacked uniformity all season; not as floriferous as some other snaps.                                     |   |   |
| A. majus 'Ribbon Mix' (GS)                                 | Not uniform in height or bloom in July; fairly good bloom in August - good color mix.  |   |   |
| A. majus 'Rocket Mix' (Pk)                                 | Good bloom in July but not uniform in size; not as floriferous in August.  |   |   |
| A. majus 'Solstice Mix' (PAS)                              | Fairly uniform in size in July but slightly past a flush of bloom; by August it had declined in bloom and uniformity.        |   |   |
| Asarina scandens 'Joan Lorraine' (Pk)                      | Good vigor and bloom all season but was being taken over by Cardiospermum which was next to it in the garden.                |   |   |
| A. scandens 'Mystic Pink' (Pk)                             | Good vigor early but bloom not as good as 'Joan Lorraine'; also taken over by Cardiospermum in August.                       |   |   |
| Asclepias curassavica 'Red Butterfly' (Pk)                 | Poor early with a bug infestation; better in August but still not as nice as it has been.                                    |   |   |
| A. curassavica 'Silky Gold' (Pk)                           | Same as 'Red Butterfly' but had more uniformity in size in August.   |   |   |
| Begonia x hybrida 'Dragon Wing Pink' (PAS)                 | Did well all season with good vigor, uniformity and bloom; the most vigorous begonia here in August.                         | Low germination - unable to test here.  | Low germination - unable to test here.  |
| B. x semperflorens-cultorum 'Lotto Scarlet' (Ben)          | Uniform in size but bloom wasn't as good as some others in July, better bloom in August.                                     |   |   |
| B. x semperflorens-cultorum 'Lotto White' (Ben)            | Had good vigor but lacked uniformity in size and bloom time; most vigorous white begonia in July.                            |   |   |
| B. x semperflorens-cultorum 'Olympia Sprint Bicolor' (Ben) | Good bloom all season, especially nice in August when uniformity in size was better.   | Not blooming by the July evaluation; small plants but doing alright in September.   | Small plants all season but bloom was alright.  |

|   |  |   |   |
|---|--|---|---|
| B. x semperflorens-cultorum 'Olympia Sprint Red' (Ben)    | Lacked uniformity in size all season but had good bloom, especially into August.                                       | Not many flowers in July and small with no vigor; better in September - nicest begonia here.                    | Small plants all season, better uniformity in size in September.  |
| B. x semperflorens-cultorum 'Olympia Sprint Rose' (Ben)   | Plants not as vigorous or uniform as other begonias but bloom was good.  | Small, not uniform in size or bloom in July; doing alright in September   | Lacked uniformity in size and bloom all season.   |
| B. x semperflorens-cultorum 'Olympia Sprint White' (Ben)  | Also had good bloom, especially in July, but plants not as vigorous or uniform in size as others.                      | Small with few blooms in July; doing alright by early September.  | Small plants but fairly uniform in size, bloom alright.   |
| B. x semperflorens-cultorum 'Party Red-Bronze Leaf' (Ben) | Lacked uniformity in size all season; good vigor and bloom, though, especially into August.                            |   |   |
| B. x semperflorens-cultorum 'Partyfun' (Ben)              | Good vigor and bloom all season but lacked uniformity in size.   |   |   |
| B. x semperflorens-cultorum 'Queen Pink' (Da)             | Pretty double flowers, not as floriferous as other begonias, though; fairly uniform in size.                           |   |   |
| B. x semperflorens-cultorum 'Queen Red' (Da)              | Not as floriferous as some others; not uniform in size in July but better in August.                                   |   |   |
| B. x semperflorens-cultorum 'Queen White' (Da)            | Not as vigorous as 'Queen Pink', lacked uniformity in size all season, had its best bloom in July.                     |   |   |
| B. x semperflorens-cultorum 'Senator Pink' (Da)           | Least vigorous of the begonias, not uniform in size or bloom time.   |   |   |
| B. x semperflorens-cultorum 'Senator Rose' (Da)           | Not uniform in size all season; bloom was alright.   |   |   |
| B. x semperflorens-cultorum 'Senator Scarlet' (Da)        | One of the least vigorous groups all season, bloom ok in August but not as good as some others.                        |   |   |
| B. x semperflorens-cultorum 'Senator White' (Da)          | Small plants, not uniform in size or bloom time all season.  |   |   |
| B. x semperflorens-cultorum 'Super Olympia Pink' (Ben)    | Nice all season with good bloom, vigor and uniformity in size and bloom time.  |   |   |
| B. x semperflorens-cultorum 'Super Olympia Red' (Ben)     | Good bloom all season but lacked uniformity in size.   |   |   |
| B. x semperflorens-cultorum 'Super Olympia Rose' (Ben)    | Good bloom all season but lacked uniformity in size.   |   |   |
| B. x semperflorens-cultorum 'Super Olympia White' (Ben)   | Same as previous two.  |   |   |
| Begonia x semperflorens-cultorum 'Vodka' (Ben)            | Very nice all season with good bloom, vigor and uniformity in bloom and size.  | Small, uniform plants in July with few blooms; doing alright by September.                                      | Best begonia in Williston trials with good vigor, uniformity and bloom all season.                                |
| B. x tuberhybrida 'Pin Up Flame' (AAS '99)                | Poor all season, dead by August.   | Not blooming in July - plants small with no vigor; still small in September but more vigor than in Fargo.       | More vigor than in Fargo and better bloom.  |
| Capsicum annuum 'Chilly Chili' (PAS, AAS '02)             | Red and yellow peppers; Very showy in August with lots of colorful fruit; lacked uniformity in size in July.           | Good uniformity in July with lots of blooms; very nice in September with lots of peppers and good uniformity.   | Lacked uniformity in size all season but nice in September with lots of red and yellow peppers.                   |
| C. annuum 'Explosive Ember' (S&G)                         | Purple and red peppers with purple leaves; Not as showy as 'Chilly Chili' but vigorous and colors were interesting.    | Not uniform in size in July and just starting to bloom; very nice in September with full, healthy plants.       | Lacked uniformity in size all season; nicest in September with lots of peppers.                                   |
| Cardiospermum halicacabum (Love in a Puff) (Pk)           | Very vigorous all season with lots of small white flowers and larger green seed 'puffs'.                               |   |   |
| Catharanthus roseus (Vinca) 'Big Ruby' (PAS)              | Dark fuchsia; Slow to bloom but by August was one of the more vigorous groups with good bloom and vigor.               | Uniform in size in July with ok bloom; most vigorous vinca here in September - putting on a nice show of color. | Vigorous plants but not uniform in size or bloom early; better in September but some plants yellowing.            |
| C. roseus 'First Kiss Coral' (Ben)                        | Bright coral; Nice, bright color; lacked uniformity in size all season but had good bloom, especially into August.     | Few blooms in July on smaller plants than other vinca; not as vigorous or floriferous as others in September.   | Small, uniform plants in July but not much bloom; bloom better in September but not uniform in size.              |
| C. roseus 'First Kiss Peach' (Ben)                        | Pale pink to almost white; Color washed out looking; not uniform in size and not as floriferous as others.             | Not as vigorous or floriferous as other vinca in July; ok in September but color washed out - not too showy.    | Small plants early but fairly uniform; bloom ok in September but not uniform in size.                             |
| C. roseus 'First Kiss Ruby' (Ben)                         | Deep ruby color; Lacked uniformity in size all season; lacked vigor in July, better by August and bloom alright.       | Lacked uniformity in size all season but bloom was ok.  | Good uniformity all season but not as floriferous as some others.   |
| C. roseus 'Jaio Dark Red' (AAS '03)                       | Velvet red - white eye; Pretty color but not uniform in size or bloom time all season.                                 | Not uniform in bloom in July; nice in September with good bloom, vigor and uniformity.                          | Not uniform in size or bloom in July; not as floriferous as other vinca in September.                             |
| C. roseus 'Jaio Scarlet Eye' (AAS '02)                    | Deep pink red/white eye; One of the most vigorous vinca in the Fargo trials in August but 2 of 12 plants really small. | Not uniform in bloom in July; nice plants in September but 1 sickly, yellowing plant.                           | One plant died by July evaluation and another was really small; otherwise very nice by September with good bloom. |
| C. roseus 'Pacifica Icy Pink' (PAS)                       | Pale pink with dark ring; One sickly, yellowing plant; good bloom by August but not uniform in size.                   | Good bloom early but not uniform in size; nice by September with good bloom, vigor and uniformity.              | Small but uniform in July with good bloom; better bloom in September but some yellowing plants.                   |
| C. roseus 'Stardust Orchid' (AAS '00)                     | Deep orchid - white center; Lacked uniformity in size and bloom time early; not uniform in vigor in August.            | Not as floriferous as 'Pacifica Icy Pink' in July, better in September with good bloom, vigor and uniformity.   | Poor germination - didn't test here.  |
| C. roseus 'Sunstorm Apricot' (S&G)                        | Pale pink to white; Lacked uniformity in size all season but bloom and vigor were good, especially in August.          | Was doing alright in July but was really nice in September with good vigor, bloom and uniformity.               | Small, uniform plants in July but not much bloom; nicer in September with good bloom, vigor and uniformity.       |
| C. roseus 'Sunstorm Bright Red' (S&G)                     | Deep red-pink; Lacked uniformity in size all season; pretty color.   | Not uniform in size early but bloom was alright; very nice in September with good bloom and vigor.              | Small and uniform in size early but not uniform in bloom; good bloom in September but not uniform in size.        |
| C. roseus 'Sunstorm Lilac' (S&G)                          | Light orchid; Good bloom all season; was crowded out by Cleome 'Sparkler Blush'.                                       | Looked alright in July but similar to other vinca in September with good bloom, vigor and uniformity.           | Small but uniform in July with few blooms; not as floriferous or uniform as others in September.                  |

|   |  |  |   |
|---|--|--|---|
| C. roseus 'Sunstorm Orchid' (S&G)                 | Deep orchid; Nicer in July than August with better vigor and bloom; some sickly plants in August.                              | One of the most vigorous vinca here in July but bloom wasn't uniform; ok in September but 1 sickly plant.              | One of the most vigorous vinca in the Williston trials all season; uniform and floriferous in September but some yellowing foliage. |
| C. roseus 'Sunstorm Rose' (S&G)                   | Deep pink; Lacked uniformity in size all season, bloom was ok but it was one of the least vigorous groups in the Fargo trials. | Did alright all season but wasn't as floriferous as some other vinca.  | Not uniform in size or bloom early; alright in September but foliage yellowing.   |
| C. roseus 'Sunstorm White w/Eye' (S&G)            | White with red eye; Lacked uniformity in size but bloom was good, especially into August.                                      | Not uniform in bloom time early but very nice in September with good bloom, vigor and uniformity.                      | Not uniform in size or bloom in July; doing alright later but some foliage yellowing.   |
| Celosia cristata 'Amigo Mix' (Ben)                | Small, no vigor all season; not uniform in size or bloom time.   |  |   |
| C. cristata 'Prestige Scarlet' (AAS '97)          | Slow to bloom but very nice in August with good bloom, vigor and uniformity in size and bloom time.                            |  |   |
| C. plumosa 'New Look' (Ben)                       | Nice all season with good bloom, vigor and uniformity in size and bloom time.  |  |   |
| C. spicata 'Flamingo Feather' (Bur)               | Pink color washed out in July; not uniform in size early but nice by August.   |  |   |
| C. spicata 'Pink Candle' (Pk)                     | Good bloom all season; lacked uniformity in size early but was better in August; color washed out in July.                     |  |   |
| Celosia spicata 'Purple Flamingo' (Pk)            | Good vigor all season; slow to start blooming but was very nice in August; color did not fade during heat of the summer.       |  |   |
| Chrysanthemum carinatum 'Merry Mix' (Pk)          | Lacked uniformity in size all season; slow to start blooming, Aster Yellows showed up in August.                               |  |   |
| C. vulgare 'Gold Sticks' (Pk)                     | Good vigor all season; just starting to bloom in July; fairly uniform in size later with good bloom.                           |  |   |
| Cleome hasslerana 'Mix' (Pk)                      | Not uniform in size early but good bloom; insect damage showing up in August.  |  |   |
| C. serrulata 'Solo' (Pk)                          | Nicer in July than August; less bloom and somewhat buggy by the later part of the summer.                                      |  |   |
| C. spinosa 'Sparkler Blush' (AAS '02)             | Had good vigor, bloom and uniformity all season; some bug damage (holes in leaves) in July.                                    | Low germination - unable to test here.   | Low germination - unable to test here.  |
| Cobaea scandens 'Key Lime' (Pk)                   | Vine with greenish white flowers; Not as vigorous as Cobaea 'Royal Plum'.  |  |   |
| C. scandens 'Royal Plum' (Pk)                     | Vine with dull mauve flowers; Vigor ok but being overrun by Cardiospermum.   |  |   |
| Cosmos bipinnatus 'Early Wonder' (Pk)             | Healthy in July but not many flowers; by August most plants were dying.  |  |   |
| C. sulphureus 'Bright Lights' (Pk)                | Lacked uniformity in size all season; bloom ok but dead heads obvious in August.   |  |   |
| C. sulphureus 'Cosmic Orange' (AAS '00)           | Good bloom in July but not uniform in size; more vigor than 'Cosmic Yellow'.   | Good bloom all season but not uniform in size; dead heads detracted in September.                                      | Lacked uniformity in size all season; good bloom but dead heads detracted in September.   |
| C. sulphureus 'Cosmic Yellow' (Ben)               | Lacked uniformity in size and bloom in July; lack of vigor and dying plants in August.   |  |   |
| C. sulphureus 'Ladybird Mix' (Pk)                 | Nicest in July with good vigor and bloom uniformity; not as nice in August with decline in bloom.                              |  |   |
| Delphinium grandiflorum 'Summer Blues' (Ben)      | Bright blue; Only 3 plants of 12 healthy in July; all were dead by August.   | Not blooming in July - plants were small; done blooming by early September and being overshadowed by larger neighbors. | Not blooming in July and plants were small; nice little plants in September but half were done blooming already.                    |
| Dianthus barbatus 'Amazon Neon Duo' (PAS)         | Fuchsia, magenta; Striking, huge blooms, very nice in July; not as showy in August but still nice with good vigor.             | Good vigor and uniformity in July but not blooming; good bloom in early September but not uniform in size.             | Not blooming in July and not uniform in size; very nice in September with good vigor, bloom and uniformity.                         |
| D. caryophyllus 'Cancan Scarlet' (AAS '03)        | Scarlet red; Healthy plants but took awhile to bloom - best bloom was after mid-August.  | Not blooming for July evaluation but good vigor and uniformity; only about 1/3 of plants blooming early September.     | Not blooming by July evaluation and not uniform in size; good bloom by September but still not uniform in size.                     |
| D. chinensis 'Charm Mix' (GS)                     | Good bloom early but not uniform in size; decline in bloom by August.  |  |   |
| D. chinensis 'Corona Cherry Magic' (PAS, AAS '03) | Burgundy, pink; Huge flowers up to 3" across; not uniform in size; bloom was better in July.                                   | Lacked uniformity in size all season; bloom was better in July than early September.                                   | Did well all season with good bloom, uniformity and vigor; slight decline in bloom by September but still nice.                     |
| D. chinensis 'Diamond Blush Pink' (Pk)            | Uniform in size all season; best bloom was in July.  |  |   |
| D. chinensis 'First Love' (Ball)                  | Best bloom in July; good size uniformity all season.   |  |   |
| D. chinensis 'Melody Pink' (AAS '00)              | Pink; Good bloom, vigor and uniformity in size all season; slight decline in bloom by August.                                  | Not uniform in size or bloom in July; very good bloom by early September and fairly uniform size.                      | Very nice, especially in July with lots of blooms; past peak bloom by September but still nice.                                     |
| D. chinensis 'Super Parfait Raspberry' (GS)       | Small plants; not uniform in size; good bloom in July but not much in August.  |  |   |
| D. chinensis 'Super Parfait Strawberry' (GS)      | Good bloom in July but not uniform in size; better uniformity in August but bloom declined.                                    |  |   |
| D. chinensis 'Valentine' (PAS)                    | Small but uniform all season; best bloom in July.  |  |   |

|  |  |   |  |
|--|--|---|--|
| Dianthus chinensis 'Velvet 'N Lace' (Pk)             | Deep, deep burgundy (almost black) w/white tips; Best bloom in July; healthy plants but not as uniform as some others. |   |  |
| Dracaena (unk)                                       | Good vigor; foliage plant, uniform, healthy all season.  |   |  |
| Eccremocarpus scaber 'Tresco Mix' (Pk)               | Not much vigor all season; over shadowed by Hyacinth Bean vine.  |   |  |
| Eucalyptus cinerea (Pk)                              | Lost 3 of 6 plants after transplanting; needed staking; not uniform in size.   |   |  |
| E. gunnii (Pk)                                       | Small, uniform plants; more dainty and upright than previous eucalyptus; good vigor.                                   |   |  |
| Eustoma grandiflorum (Lisianthus) 'Echo Blue' (Pk)   | Good bloom, vigor and uniformity in July; less bloom by August and plants falling over.                                |   |  |
| E. grandiflorum 'Echo Mix' (Pk)                      | Healthy and nice early but not uniform in bloom time; nice in August but needed dead heading.                          |   |  |
| E. grandiflorum 'Echo Pink Picotee' (Pk)             | Floriferous in July with good uniformity in size and bloom; by August had fallen over and bloom declined.              |   |  |
| E. grandiflorum 'Forever Blue' (AAS '01)             | Nice in July with good bloom, vigor and uniformity; still good in August but dead heads detracted.                     | Good vigor and uniformity in July but just starting to bloom; not uniform in size or bloom time by September.     | Not uniform in size or bloom time all season.  |
| E. grandiflorum 'Forever White' (PAS, AAS '03)       | Didn't do as well as 'Forever Blue'; not uniform in vigor or size.   | Same as for 'Forever Blue'.   | Not uniform in size or bloom early; by September only one plant (of six) was still there.                  |
| E. grandiflorum 'Heidi Hybrid' (Pk)                  | Good bloom and vigor in July but not uniform in size; few blooms in August and stems fell over.                        |   |  |
| Fuchsia 'Snowfire Angel Earrings' (J&P)              | Good bloom early; plants small but healthy all season; lacked uniformity in size.                                      | Small plants in July and looked like rabbits eating flowers; good vigor in September but not many blooms.         | Good vigor all season; bloom was better in September than July.  |
| Gaillardia pulchella 'Sundance Bicolor' (AAS '03)    | Bronze/gold tips; Good bloom all summer, good vigor and uniformity.  | Good vigor and uniformity in July but just starting to bloom; good bloom by September but not uniform in size.    | Just starting to bloom by July evaluation; very nice by September with good bloom, vigor and uniformity.   |
| Gazania rigens 'Daybreak Orange Cream' (PAS)         | Creamy outside to golden center; Good uniformity in size all season; better bloom in August.                           | Good vigor and lots of buds but not blooming by July evaluation; good bloom in September but not uniform in size. | Lacked uniformity in size all season; bloom was best in September.   |
| G. rigens 'Gazoo Clear Orange' (S&G)                 | Showy orange flowers; Not uniform in size or vigor; rabbit damage in August.   | Only buds in July and not uniform in size; not uniform in size or bloom in September and some plants sickly.      | Not uniform in size or bloom time all season; just starting to bloom by July evaluation.                   |
| G. rigens 'Gazoo Clear Vanilla' (S&G)                | One of the least vigorous groups in the Fargo trials; lacked uniformity in size.                                       | Good uniformity and vigor in July but not blooming; not uniform in size or bloom later and some plants sickly.    | Not uniform in size all season; not blooming for July evaluation; most vigorous gazania here in September. |
| G. rigens 'Gazoo Clear Yellow' (S&G)                 | Bright yellow flowers; Lacked uniformity in size; best bloom in August.  | Good vigor early but not blooming; not uniform in size or bloom time in September.                                | Not uniform in size all season; slow to bloom but nice in September.                                       |
| G. rigens 'Gazoo Orange w/Ring' (S&G)                | One of the most vigorous gazanias in August but not uniform in size.   | Not uniform in size in July, just starting to bloom; not uniform in size or bloom time in September.              | Not uniform in size all season; bloom better for September evaluation.                                     |
| G. rigens 'Gazoo Red w/Ring' (S&G)                   | Rust w/brown center ring; Better uniformity in size in August; bloom good.   | Very vigorous in July but only buds on plants; one of the nicer gazanias here in September with good bloom.       | One of the least vigorous gazanias in the Williston trials all season.                                     |
| G. rigens 'Gazoo Yellow w/Ring' (S&G)                | Yellow w/brown ring in center; One of the better gazania all season - uniform with good bloom and vigor.               | Buds just opening early July; not uniform in size or bloom time in September.                                     | Not uniform in size or vigor; bloom best for September evaluation.   |
| G. rigens 'Tiger Mix' (Ball)                         | Lacked uniformity in size all season; best bloom in August.  | Good vigor early but not uniform in size; most uniform and floriferous gazania here in September.                 | Not uniform in size or bloom time all season.  |
| Gypsophila muralis 'Garden Bride' (Da)               | Good bloom, vigor and uniformity in July; still good in August but size uniformity not as good as earlier.             |   |  |
| G. muralis 'Gypsy' (AAS '97))                        | Plants not as vigorous as 'Garden Bride' in July but bloom good; vigor better in August.                               |   |  |
| Helianthus annuus 'Ring of Fire' (AAS '01)           | Not too bad in July - fairly healthy; by August lots of buds and flowers but bugs present and flowers misshapen.       | Good vigor in July but some bug damage; bugs and disease present in September, flower heads misshapen.            | Deer ate all but two of these; looked alright in July but by September disease and bugs present.           |
| Helianthus annuus 'Soraya' (AAS '00)                 | Similar to 'Ring of Fire' but not as many buds or flowers.   | Same as 'Ring of Fire'.   | Deer ate these.  |
| Helichrysum bracteatum 'Fiery Mix' (Pk)              | Weedy looking in July with few blooms; more flowers in August but not uniform in size.                                 |   |  |
| H. monstrosum 'Mix' (Pk)                             | Similar to 'Fiery Mix'.  |   |  |
| Hypoestes phyllostachya 'Confetti Mix' (Da)          | Foliage plant with splotches of pink, yellow, white; Not much of a mix this year but healthy and vigorous by August.   |   |  |
| Impatiens hawkerii (New Guinea Impatiens) cultivars: |  |   |  |
| Sonic Amethyst (FG)                                  | Deep lilac; Lacked uniformity in size and bloom time early; least vigorous New Guinea in August.                       | No vigor and not much flowering all summer.   | Not uniform in size or bloom early; alright in September.  |
| Sonic Burgundy (FG)                                  | Deep cherry red; Not uniform in bloom in July; poor bloom in August but size uniformity good.                          | Better vigor than other New Guineas but not many blooms.  | Not uniform in size early; bloom was alright most of the season.   |
| Sonic Cattleya (FG)                                  | Light lilac; Poor bloom all season but size uniformity was alright.  | Not much bloom all season; plants fairly uniform in size, though.   | Small plants, not uniform in size or bloom.  |

|   |   |  |  |
|---|---|--|--|
| Sonic Cherry (FG)   | Deep cherry red; One of the least vigorous groups in July with little bloom; not uniform in size or bloom in August.          | Very few flowers in July, none in September; not uniform in size.                              | Fairly uniform in size early but not many blooms; looked alright in September.                               |
| Sonic Dark Salmon (FG)  | Not much bloom all season; size uniformity was good though.   | Vigor and uniformity alright but no blooms all season.   | Fairly uniform in size and bloom early; not many flowers by September evaluation.                            |
| Sonic Fuchsia (FG)  | Fuchsia; Did well all season with good bloom, vigor and uniformity; best New Guinea in August in the Fargo trials.            | Small, not uniform and no blooms in July; one of the few New Guineas with blooms in September. | One of the more vigorous New Guinea impatiens in the Williston trials.                                       |
| Sonic Light Pink (FG)   | Not as nice as 'Super Sonic Pastel Pink'; bloom not uniform and very poor, especially by August.                              | A few flowers in July but not uniform in size; not blooming in September.                      | Not uniform in size all season and bloom was poor.   |
| Sonic Orange (FG)   | Orange; Nice in July with fairly good uniformity and bloom; decline in bloom by August.                                       | Uniform in size all season but not blooming for either the July or September evaluations.      | Not uniform in size or bloom early; doing alright by September.  |
| Sonic Peach (FG)  | Pinky peach; Uniform in size and bloom early but not as floriferous as 'Super Sonic Peach'; decline in bloom by August.       | Vigor good all season but few flowers.   | One of the nicer groups of New Guineas in the Williston trials.  |
| Sonic Pink (FG)   | Deep coral pink; Ok in July but not uniform in bloom time; decline in bloom by August.  | Lacked uniformity in size all season; no blooms in July and only 2 in September.               | Not uniform in bloom or size early; not blooming at September evaluation but plants uniform in size.         |
| Sonic Salmon (FG)   | Coral pink; Bloom not as good as 'Super Sonic Peach' in July; one of the better bloomers in August with good size uniformity. | Small but uniform; few blooms all season.  | Not uniform in bloom in July; doing alright in September but bloom had declined.                             |
| Sonic Scarlet Blush (FG)                                      | Deep red orange; Uniform in size early but not much bloom; better bloom in August but not uniform in size.                    | Fairly uniform in size all season but few flowers.   | Fairly uniform in size in July but only 2 of 6 plants had flowers; doing alright in September.               |
| Sonic Sweet Cherry (FG)                                       | Pale pink with dark pink accents; Not much bloom in July, better in August but some plants sickly.                            | A few flowers in July and again in September; uniform in size.                                 | Fairly uniform in size and bloom in July; one of the smaller groups in September but fairly uniform in size. |
| Sonic Sweet Purple (FG)                                       | Deep cherry pink with some darker petals; Not uniform in size or bloom early; better in August.                               | Not blooming for either evaluation; one of the least vigorous groups in the Dickinson trials.  | Not uniform in size or bloom in July; small plants in September.   |
| Super Sonic Cherry Cream (FG)                                 | Pale pink/dark pink center; Not uniform in size or bloom early; by August had good size uniformity and better bloom.          | Not blooming in July; one bloom in September with ok vigor.                                    | Fairly good bloom and uniformity in July; nice in September with fairly good vigor and uniformity.           |
| Super Sonic Deep Orange (FG)                                  | Orange; Good vigor early but bloom time not uniform; not much bloom in August but good size uniformity.                       | Small and no vigor early with no blooms; similar in September.                                 | Vigorous plants most of the season but not blooming for either the July or September evaluations.            |
| Super Sonic Hot Pink (FG)                                     | Fuchsia; Poor bloom all season but plants uniform in size.  | A few flowers in July but none in September; one of the more vigorous groups in September.     | One small plant but others uniform in size; did alright all season.  |
| Super Sonic Lavender (FG)                                     | Pale lavender; Good vigor in July but not uniform in size or bloom; by August had better uniformity in size and good bloom.   | Not blooming for either evaluation; not uniform in vigor - one sickly plant.                   | Not many blooms in July but fairly uniform in size; fairly good vigor in September.                          |
| Super Sonic Lilac (FG)  | Lavender with pale center; Uniform in size but not bloom in July; poor bloom in August but plants vigorous and uniform.       | Small with no vigor early but one flower; not blooming in September.                           | Fairly uniform in July with better bloom than in September.  |
| Impatiens hawkerii cultivars (cont.) Super Sonic Magenta (FG) | Deep coral red; Good size uniformity all season; bloom better in July than August.  | Same as 'Super Sonic Lilac'.   | Not blooming for July evaluation but fairly uniform in size; looked alright at September evaluation.         |
| Super Sonic Orchid (FG)                                       | Dark lavender; Good vigor all season but poor bloom and lacked uniformity in size.  | Similar to previous ones; not blooming for either evaluation.                                  | Fairly uniform and vigorous all season.  |
| Super Sonic Pastel Pink (FG)                                  | Pink; Did well all season but bloom much better in July - one of the nicer New Guineas all season in the Fargo trials.        | Not blooming for either evaluation but vigor was ok.   | One of the more vigorous New Guinea impatiens in the Williston trials with fairly good bloom all season.     |
| Super Sonic Peach (FG)  | Coral/salmon; Very nice in July with good bloom, vigor and uniformity; big decline in bloom by August.                        | Vigor was good on this all season but bloom was low.   | Not uniform in bloom for July evaluation; not much vigor or many flowers during the September evaluation.    |
| Super Sonic Red (FG)  | Deep cherry red; Not much bloom all season; nothing blooming in August; size uniformity was alright all season.               | Not blooming for either evaluation but size uniformity was good.                               | Just starting to bloom by July evaluation; fairly uniform and vigorous in September.                         |
| Impatiens wallerana cultivars:                                |   |  |  |
| Accent Limited Edition Mix (GS)                               | Good color mix but not uniform in size in July; nicer in August with good bloom, vigor and uniformity.                        |  |  |
| Accent Pastel Mix (GS)  | Mostly light pink colors; Good vigor all season, uniformity and bloom better in August.                                       |  |  |
| Accent Peppermint Mix (GS)                                    | Ok in July but not as vigorous as some; better in August with good bloom, uniformity and vigor.                               |  |  |
| Accent Star Mix (GS)  | Mostly coral and orange; Bloom ok early but not uniform in size; by August nice show with good bloom, vigor and uniformity.   |  |  |
| Bruno Blush (Pk)  | Coral pink; Good vigor all season, not as floriferous as other impatiens but flowers bigger.                                  |  |  |
| Bruno Orange (Pk)   | Orange; Good vigor but less bloom than other, smaller flowered cultivars.   |  |  |
| Bruno Red (Pk)  | Similar to previous two 'Brunos'.   |  |  |
| Bruno Violet (Pk)   | Lacked uniformity in size all season; good vigor but bloom poor.  |  |  |
| Circus Orange White (PAS)                                     | One of the least vigorous groups all season with poor bloom; lacked uniformity in size.                                       |  |  |
| Dazzler Orange Improved (Ball)                                | Not uniform in size or bloom early but very nice in August with good show of color.   | No vigor all season and not many blooms.   | Not uniform in size in July but bloom alright; best impatiens in Williston trials in September - good bloom. |

|  |   |   |   |
|--|---|---|---|
| Dazzler Rose Swirl (Ball)                              | Lacked vigor and bloom early; good bloom in August but not uniform in vigor.  | No vigor all season and not many blooms.  | Was nicer with better bloom in July than September.   |
| Dazzler Star Mix (Ball)                                | Did well all season with good bloom, vigor and uniformity.  |   |   |
| Fanciful Coral (Ball)                                  | One of the nicer impatiens in July with good bloom, uniformity and vigor; by August not as floriferous but uniform and vigorous.  | No vigor all season and not many blooms.  | Fairly uniform but not as floriferous as some others in July; good vigor in September with ok bloom.        |
| Fanciful Orchid Rose (Ball)                            | Lost 5 of 12 plants; good bloom but not uniform in size all season.   | No vigor all season and not many blooms.  | Fairly good vigor and uniformity all season.  |
| Fanciful Red (Ball)                                    | Nice plant in July but size not uniform; very nice in August with good bloom, vigor and uniformity.                               | No vigor all season and not many blooms.  | One small plant in July but otherwise fairly vigorous and uniform; looked alright for September evaluation. |
| Fanciful Salmon (Ball)                                 | Not uniform in size in July but good bloom; nicer in August with good vigor, uniformity and bloom.                                | No vigor all season and not many blooms.  | Fairly uniform with good bloom in July; decline in bloom by September.                                      |
| Mosaic Coral (GS)                                      | Not uniform in size or bloom early; vigorous later but not as floriferous or uniform as others.                                   |   |   |
| Mosaic Lilac (GS)                                      | Not uniform in size early but bloom good; good bloom in August but not as uniform in size as some others.                         |   |   |
| Impatiens wallerana cultivars (cont.) Mosaic Rose (GS) | Not uniform in size early but bloom ok; not as floriferous or uniform as others in August.  |   |   |
| Mosaic Violet (GS)                                     | Not uniform in size early, better in August; bloom not as good as others in August but alright in July.                           |   |   |
| Swirl Coral Improved (PAS)                             | Lost 4 plants early; not uniform in size but bloom ok; good bloom in August and fairly uniform in size.                           | No vigor all season and not many blooms.  | One of the better groups in July with ok bloom and uniformity; still alright in September.                  |
| Victorian Rose (AAS '98)                               | Good vigor all season; bloom and uniformity better in August; one of the nicer impatiens in August.                               | No vigor all season and not many blooms.  | Not uniform in size or bloom time early; doing alright in September.  |
| Incarvillea sinensis 'Cheron' (Pk)                     | Creamy trumpet shaped flowers; Only one nice plant; looked nice in August with good bloom, vigor and uniformity.                  |   |   |
| Ipomoea (Mina) Jobata (Firecracker Vine) (Pk)          | Vine with red flowers; Didn't bloom until after the middle of July; very vigorous and was overtaking plants next to it.           |   |   |
| I. x multifida (Cardinal Climber) (Pk)                 | Vine with red flowers; Slow to bloom; being overtaken by the firecracker vine.  |   |   |
| I. nil 'Heavenly Blue' (Pk)                            | Vine with blue flowers; Very vigorous climber but didn't see any flowers until the end of August.                                 |   |   |
| I. nil 'Minibar Rose' (Pk)                             | Vine; didn't start to bloom or climb until August; nice variegated foliage; being overtaken by 'Heavenly Blue'.                   |   |   |
| I. quamoclit (Cypress Vine) 'Mix' (Pk)                 | Vine with red flowers; Nice in July with good vigor and blooms; overrun by 'Heavenly Blue' in August and hard to find.            |   |   |
| Kniphofia uvaria 'Flamenco' (AAS '99)                  | No flowers until August; pretty flowers but plants not uniform in size, vigor or bloom time.                                      | Poor in July with no flowers and no vigor; not much better in September with only 1 blooming. | No flowers or vigor in July; not uniform in size or bloom all season.                                       |
| Kochia trichophylla 'Autumn Red' (Pk)                  | No flowers; healthy, vigorous 'ovals' of foliage in July; by August looked like a big tumbleweed and was falling over.            |   |   |
| Lablab purpureus (Hyacinth Bean) (Pk)                  | Vine with purple flowers; Very, very vigorous; didn't bloom until the end of July, very floriferous, purple seed pods attractive. |   |   |
| Lavandula angustifolia 'Lady' (Pk, AAS '94)            | Lost 5 of 6 plants; did alright but nothing spectacular.  |   |   |
| Limonium sinuatum 'Soiree Mix' (Pk)                    | Good vigor and bloom all season; in August it was being crowded by Chrysanthemum 'Gold Sticks'.                                   |   |   |
| L. sinuatum 'Sunset' (Pk)                              | Nice all season with good bloom, vigor and uniformity in size and bloom time.   |   |   |
| Lobularia maritima 'Golf' (Cl)                         | Lavender, white, pink; Nicer in July than August with good bloom; lacked uniformity in size.                                      |   |   |
| L. maritima 'Pastel Carpet' (Pk)                       | Pale pink, pale lavender, cream; Very nice in July with good bloom and vigor; decline in bloom by August but very vigorous.       |   |   |
| L. maritima 'Snow Crystals' (RS)                       | White; Good bloom in July but not uniform in size; not as floriferous in August and still not uniform in size.                    |   |   |
| Malope trifida 'Pink Queen' (Pk)                       | Pale pink; Not uniform in bloom time or size early; getting crowded by other plants in August.                                    |   |   |
| M. trifida 'Vulcan' (Pk)                               | Rose; Bloom alright but not uniform in size or bloom time; some die back on the plants in August.                                 |   |   |
| Melampodium paludosum 'Derby' (Ben)                    | Lacked uniformity in size all season - one plant was really big compared to others; bloom very nice in August.                    |   |   |
| M. paludosum 'Showstar' (Ben)                          | Lacked uniformity in size in July; not as floriferous as 'Derby' in August but was more uniform in size.                          |   |   |
| Monarda x hybrida 'Lambada' (Pk)                       | Lavender; Slow to bloom but by August was one of the nicest plants in the whole trial garden.                                     |   |   |

|  |                   |   |  |  |
|--|-------------------|---|--|--|
| Nicotiana alata 'Saratoga Appleblossom' (GS)                 |                   | Not too vigorous all season and not uniform in size.  |  |  |
| N. alata 'Saratoga Deep Rose' (GS)                           |                   | Only 2 of 6 plants healthy; lacked uniformity in size and bloom not that great.   |  |  |
| N. alata 'Saratoga Lime' (GS)                                |                   | One of the healthier cultivars in July; bloom good in August but not uniform in size.   |  |  |
| N. alata 'Saratoga Purple Bicolor' (GS)                      |                   | Only 2 of 6 plants healthy; lacked uniformity in size and bloom poor.   |  |  |
| N. alata 'Saratoga Red' (GS)                                 |                   | Lost 3 of 6 plants; not uniform in size or vigor all season; bloom not that great either.                                       |  |  |
| N. alata 'Saratoga Rose' (GS)                                |                   | Only 2 of 6 plants survived; they were actually nice by August with good bloom and vigor.                                       |  |  |
| N. alata 'Saratoga White' (GS)                               |                   | Only 3 of 6 plants alive; not uniform in size, vigor or bloom by August.  |  |  |
| N. x sanderae 'Avalon Bright Pink' (AAS '01)                 |                   | Pale pink; Not uniform in size, vigor or bloom all season; a few really nice plants mixed in with other, sickly plants.         | Nice here all season with good bloom, vigor and uniformity.  | Did well here all season although bloom wasn't quite as good in July as it was in Dickinson; very nice in September. |
| Nierembergia hippomanica 'Compact Summer Splash White' (J&P) |                   | Very nice all season with good bloom, vigor and uniformity in bloom and size.   | Good bloom all season but lacked some uniformity in September; not as vigorous as 'Summer Splash Blue' in July.      | Nice little plants with good uniformity and bloom in July; slight decline in bloom later but still nice plants.      |
| N. hippomanica 'Purple Robe' (Pk)                            |                   | Nice bloom all season and very healthy but lacked uniformity in size.   |  |  |
| N. hippomanica 'Summer Splash Blue' (J&P)                    |                   | More vigor than 'Compact Summer Splash White' but not as uniform in size all season; good bloom.                                | Very nice in July with good bloom and vigor; still good bloom in September but not as uniform as earlier.            | Not quite as vigorous here as they were in Dickinson in July; good bloom all season, though.                         |
| Ocimum basilicum 'Magical Michael' (Pk, AAS '02)             |                   | Not uniform in size all season but good vigor and nice plants into August.  |  |  |
| Osteospermum 'Passion Mix' (AAS '99)                         |                   | Not uniform in size or bloom all season; two of six plants died.  | Just starting to bloom in July and not uniform in size or bloom time; good vigor in September but still not uniform. | Nice show in July with good bloom on most plants; healthy in September but not uniform in size or bloom time.        |
| Pelargonium x hortorum - Zonal geranium cultivars:           |                   |   |  |  |
| Atlantis '96 (FG)  |                   | Bright cherry red; Fairly uniform in size all season; good vigor.   | Good vigor in July but nicer in September - one of the more vigorous geraniums here with good bloom.                 | Good vigor all season; nicest show of color in September.  |
| Avenida (FG)   |                   | Orange-red; Good vigor all season; not uniform in size early; needed dead heading in August.                                    | Not uniform in bloom in July; showy and healthy in September but not uniform in size.                                | Good bloom and vigor all season but seemed a bit more vigorous in July than September.                               |
| Black Magic Rose (AAS '02)                                   |                   | Pink with chocolate brown leaves; One of the nicer geraniums all season with good bloom and vigor; most vigorous one in August. | Most vigorous geranium here all season; very nice, especially in September with good bloom and vigor.                | Nice in July but better in September with good bloom, vigor and uniformity.  |
| Blues 2001 (FG)  |                   | Dark pink with darker centers; Lacked uniformity in size all season but had good bloom and good vigor.                          | Pretty flowers but not as vigorous as some others and not as uniform in size or bloom time.                          | Lacked uniformity in size all season; better bloom in July than August.  |
| Bravo Dark Pink (FG)   |                   | Bright pink, dark pink combo-pretty color; Not uniform in size but good bloom, especially into August.                          | Nice bloom in July but not uniform in size; not as vigorous or floriferous as others in September.                   | Nice all season with good bloom, show of color and vigor.  |
| Calypso 2001 (FG)  |                   | Lavender pink; Good vigor all season; plants fairly uniform in size.  | Good vigor all season but nicest in September with good bloom and vigor.   | Not as much bloom as some others in July and not as uniform in size in September.                                    |
| Casanova 2003 (FG)   |                   | Pink with dark pink spots; Lacked uniformity in size and bloom; one of the smaller cultivars of geraniums in the Fargo trials.  | Not as vigorous as other geraniums most of the season; smaller plants with some yellowing leaves.                    | Did alright but was smaller and not as floriferous as some others all season.  |
| Charleston 2000 (FG)   |                   | Deep reddish salmon; Not uniform in size or bloom all season and bloom not as nice as some other cultivars.                     | Did alright all season but not as showy or vigorous as some others.  | Good bloom and vigor in July but had a decline in bloom by the September evaluation.                                 |
| Charmant '98 (FG)  |                   | Coral; Most vigorous coral geranium in Fargo trials; good vigor all season but not uniform in size.                             | Not uniform in size or bloom time all season; not as vigorous and showy as some others.                              | Good vigor all season, especially into September; good bloom and show of color, also.                                |
| Elite Mix (GS)   |                   | Lacked uniformity in size and bloom not as good as some others.   |  |  |
| Zonal geraniums (cont.)                                      | Kardino 2001 (FG) | Bright fuchsia; Not uniform in size or bloom time all season; not as floriferous as some other geraniums.                       | Pretty color but not uniform in size or bloom time all season; not as vigorous as other groups.                      | Big blossoms with a good show of color all season; especially nice into September.                                   |
| Maverick Mix (GS)  |                   | Good vigor all season with the best show of bloom in August; also fairly uniform in size all season.                            |  |  |
| Montevideo (FG)  |                   | Coral; Least vigorous of the salmon group in the Fargo trials; bloom ok in August but not uniform in size.                      | Small plants all season with no vigor; not as floriferous as other groups either.                                    | Good vigor all season although not uniform in size in July; nicest in September.                                     |
| Multibloom Mix (FG)  |                   | Smaller plants than some others in July with a few sickly ones; bloom and uniformity alright.                                   |  |  |
| Orange Appeal (GS)   |                   | One of the poorer geraniums all season; lacked uniformity in size and bloom; not many flowers.                                  |  |  |
| Orbit Mix (GS)   |                   | Bloom alright all season but not uniform in size.   |  |  |
| Omega 2000 (FG)  |                   | Lavender fuchsia with dark eye-pretty color; Good vigor all season; best bloom in August.                                       | Nice, bright color; did alright all season.  | Good vigor; lacked uniformity in size in September.  |
| Rocky Mtn. Red (FG)  |                   | Bright red; Most vigorous red geranium all season in Fargo trials but bloom not as good as some other colors.                   | Big, bright blossoms; Good vigor all season; very nice in September with good vigor, bloom and uniformity.           | One of the nicest geraniums in the Williston trials this year; good show of red; good vigor and uniformity.          |

|   |  |  |  |
|---|--|--|--|
| Rumba Fire (FG)                               | Deep red; Least bloom of the red geraniums in the Fargo trials; not uniform in size or bloom, especially in July.          | Did alright all season but not as vigorous or uniform in size as 'Rocky Mtn. Red'.   | Did well all season but nicest bloom in July.  |
| Samba (FG)                                    | Deep red; Least vigorous of the red geraniums in the Fargo trials in July; lacked uniformity in size.                      | Small plants early but nice blooms; nice and healthy in September.   | Not as uniform in size or as floriferous as some other geraniums.  |
| Schoene Helena (FG)                           | Coral; Good vigor all season and fairly uniform in size.   | Not uniform in size or bloom all season and not as floriferous as some other groups.   | Not uniform in bloom or size early but very nice in September with good bloom and uniformity.                        |
| Swing 2001 (FG)                               | Fuchsia; Bloom better in August than July; smaller plants that weren't uniform in size in August.                          | Nice little plants all season but not as vigorous as some other groups.  | Good bloom and uniformity in July; alright in September but not quite as showy.                                      |
| Tango (FG)                                    | Bright red; Good vigor, not uniform in size all season but bloom was good.   | Not as vigorous or floriferous as the other red geraniums in the Dickinson trials.   | Huge, red blooms; nice all season although not as uniform as 'Rocky Mt. Red'.  |
| Tango Light Orchid (FG)                       | Pale pink; Color not as showy as some others; smaller plants than other cultivars; fairly good bloom by August.            | Fairly uniform in size but not as floriferous as some other groups.  | Good bloom all season but especially full and vigorous in September.   |
| Tango Magenta (FG)                            | Bright red fuchsia; One of the least vigorous geraniums in July in the Fargo trials with poor bloom; not uniform in size.  | Lacked uniformity in size all season; bright color.  | Good vigor all season but not as floriferous as some other groups.   |
| Tango Neon Purple (FG)                        | Deep cherry red; Lacked uniformity in size all season and not as floriferous as some others.                               | Did alright but lacked uniformity in size all season.  | Did well in July but showier in September with good bloom, vigor and uniformity.                                     |
| Tango Orange (FG)                             | Orange; Not uniform in size or bloom in July; more vigor in August but still not uniform in size.                          | Not uniform in size early; nice little plants by September.  | Not uniform in size in July but bloom was good; nicer in September with good uniformity, bloom and vigor.            |
| Tango Pink (FG)                               | Pink with dark pink spots; Fairly uniform in size all season; good vigor in August with nice bloom.                        | Not uniform in size or bloom all season and not as floriferous as some other groups.   | Good bloom all season but size uniformity was better in July than September.   |
| Tango Violet (FG)                             | Deep cherry red; Lacked uniformity in size; bloom better in July.  | Bright flowers but not much vigor all season and didn't bloom very well.   | Size uniformity was better in July than September but bloom was good all season.                                     |
| Tango White (FG)                              | White; Dead heads and spots on petals more obvious on this cultivar; smaller plants and not uniform in size.               | Smaller plants, not much bloom.  | Fairly uniform all season with good bloom but petals showed brown spots and weathering more than other cultivars.    |
| Exotica Geraniums:                            |  |  |  |
| Appleblossom (FG)                             | Pink; One of the smaller 'Exoticas' in July but bloom was better than in August.   | Good vigor all season but not many flowers.  | Floriferous, vigorous and uniform all season.  |
| Happy Orange (FG)                             | Orange; Nice all season with good vigor, bloom and uniformity; more flowers than 'Happy Violet'.                           | Very good vigor and bloom, especially by September.  | Floriferous, vigorous and uniform all season; lots of blooms-especially into September.                              |
| Happy Violet (FG)                             | Fuchsia; Also nice all season with good bloom and vigor; bloom less than 'Happy Orange' but more vigor.                    | Also did well but not as floriferous as 'Happy Orange'.  | Did alright all season but wasn't as floriferous as 'Happy Orange' most of the season.                               |
| Exotica geraniums (cont.):                    | Shalimar (FG)  | Pale to dark pink; Least vigorous 'Exotica'; bloom not as good and color not very bright.                                    | Did well all season but not quite as vigorous and showy as 'Happy Orange'.   |
| Tricolor (FG)                                 | Orange red; Very vigorous, especially in August; foliage very showy with different colors; least floriferous 'Exotica'.    | Good vigor all season; foliage very showy.   | Vigorous all season with showy foliage; not uniform in size early but better in September.                           |
| White Glitter (FG)                            | White to pale pink; Better bloom in July than August; fairly uniform in size and bloom all season.                         | Good vigor all season but especially nice in September with good uniformity and bloom.                                       | Nice plants with good vigor and uniformity but color not showy; very good bloom in September.                        |
| Wilhelm Langguth (FG)                         | Red flowers/light green leaves with white fringe; not as vigorous as 'Tricolor' but still nice plants.                     | Good vigor all season; especially showy in September.  | Showy foliage all season with a few red flowers; not as uniform in size in September as in July.                     |
| Cascade geraniums:                            |  |  |  |
| Acapulco Compact Cascade (FG)                 | Deep, cherry red-lighter centers; Good bloom, vigor and uniformity in July; still nice in August but bloom better in July. | Did well all season; more showy in September but not quite as floriferous as 'Lila-Mini-Cascade' or 'Red-Mini-Cascade'.      | Good vigor early but not uniform in bloom; decline in bloom by September.  |
| Lila-Mini-Cascade (FG)                        | Deep lilac pink; Not as floriferous as 'Acapulco C. C.' in July but better vigor; better bloom in August-nice.             | Not uniform in bloom in July but very nice in September with good bloom, uniformity and vigor.                               | Not uniform in size or bloom early and one plant was yellowing; vigorous by September but not uniform in bloom time. |
| Red-Mini-Cascade (FG)                         | Bright red; Nice in July with good bloom, vigor and uniformity; lost some vigor and bloom by August.                       | Lacked uniformity in bloom early but was the nicest 'Cascade' geranium in Sept.in Dickinson trial-very good bloom and vigor. | Not uniform in size early but bloom and vigor good; very nice in September with good bloom and vigor.                |
| Silver Cascade Pink (FG)                      | Deep to light pink; Variegated foliage nice contrast with pink flowers; not as vigorous or floriferous as previous two.    | Nice variegated foliage but not as vigorous or floriferous as other 'Cascades'.  | Pretty variegated foliage but not as vigorous or floriferous as other 'Cascade' geraniums.                           |
| PAC White Compact Cascade (FG)                | White with pink centers; Did alright but not as floriferous or vigorous as 'Acapulco-', 'Lila-' or 'Red-Mini-Cascade'.     | Not as vigorous or floriferous as other 'Cascades' all season.   | Not uniform in bloom or size early; good vigor in September but not as floriferous as other 'Cascades'.              |
| Pennisetum glaucum 'Purple Majesty' (AAS '03) | Ornamental grass with burgundy foliage and huge seed heads; lacked uniformity in size but very bold and striking.          | Doing well in July but very showy in September with large flower stalks.   | Did not evaluate here.   |
| P. setaceum (Fountain Grass) (Pk)             | Ornamental grass; Good vigor in July but better show starting in August.   | Just starting to bloom in July; very showy and nice in September.  | Nice, little plants just starting to plume in July; very nice into September.  |
| Petunia hybrida - F1 hybrids:                 |  |  |  |
| Stars and Stripes Mix (Ball)                  | Red, white and blue; Good bloom all season but not uniform in size; blue was the most dominant and vigorous color.         | Mostly white and blue colors; Ok in July but being overrun by 'Tidal Wave Silver' in September and couldn't really see it.   | Not uniform in size or vigor - whites most vigorous; good bloom all season.  |
| Old Glory (Ball)                              | Mostly white and blue, 1 red plant; Lacked uniformity in size, vigor and bloom time all season.                            | Not uniform in size early but good bloom; ok in September but not as floriferous as some others.                             | All blue and red plants here; good bloom all season but not uniform in size in July and getting leggy in September.  |
| Floribunda petunias:                          |  |  |  |

|   |  |   |   |
|---|--|---|---|
| Double Madness Pink Satin (Ball)              | Not uniform in size in July but bloom was good; not as vigorous as 'Double Madness Sheer Improved' in August.                      |   |   |
| Double Madness Sheer Improved (Ball)          | Good bloom all season and fairly uniform in size although not as vigorous as some others in July.                                  |   |   |
| Madness Clear Mix (Ball)                      | Mix of salmon, rose, red, white, blue, fuchsia; Good bloom, especially in July but not uniform in size.                            | Good color mix; good bloom all season but not uniform in size early and got a little leggy by September.              | Not as vigorous or full as other petunias all season.   |
| Madness Magenta (Ball)                        | Good bloom all season but not as uniform in size as some other cultivars.  | Good bloom all season; fairly uniform in size.  | Uniform and floriferous early but plants smaller than other groups; nicest in September, didn't get leggy.          |
| Madness Waterfall Mix (Ball)                  | White, lavender, magenta, blue; Good bloom all season; not as uniform in size as some others.                                      | Showy all season with good bloom and vigor.   | Not uniform in size all season and was got leggy by September.  |
| Grandiflora petunias:                         |  |   |   |
| Bravo Blue (S&G)                              | Not uniform in size or vigor early but bloom alright; by August doing well but not as floriferous as 'Bravo Lavender'.             | Uniform, floriferous and vigorous in July; not as showy in September and getting leggy.                               | Good bloom and vigor all season but got leggy in September.   |
| Bravo Lavender (S&G)                          | Lavender; Most vigor of the 'Bravo' series; very nice in August with a good show of color.   | Nice all season with good bloom, vigor and uniformity; a little overgrown in September but still nice.                | Good bloom all season but uniformity in size was better in September than July.                                     |
| Grandiflora petunias (cont.): Bravo Red (S&G) | Not uniform in size or vigor early with some plants yellowing; by August many sickly plants with no vigor.                         | Not as vigorous as the other 'Bravo' petunias in July; being overrun by 'Bravo Lavender' in September but bloom good. | Not as vigorous as the other 'Bravo' petunias and plants were yellowing and leggy in September.                     |
| Bravo Salmon Improved (S&G)                   | Not quite as vigorous as 'Bravo Lavender' in July but bloom was good; bloom still nice in August but some yellowing plants.        | Good bloom, vigor and uniformity in July; leggy in September and falling over but bloom still good.                   | One of the nicer petunias all season with good bloom, uniformity and vigor all season; a little leggy by September. |
| Bravo White (S&G)                             | Not uniform in size or vigor in July; doing ok in August but not as vigorous as 'Bravo Lavender'.                                  | Nicest in July with good bloom and vigor; more weathered looking in September and blossoms showing brown spots.       | Good show of white early, by September dead heads and browning petals more obvious than on some other cultivars.    |
| Double Cascade Mix (PAS)                      | Pretty blossoms but not uniform in size or vigor in July; not as vigorous or floriferous as 'Double Cascade Orchid Mix' in August. |   |   |
| Double Cascade Orchid Mix (PAS)               | One of the nicest petunias all summer. Had good bloom, vigor and uniformity.   |   |   |
| Double Cascade Plum Vein (PAS)                | Uniform and floriferous all season but not as vigorous as 'Double Cascade Orchid Mix'.   |   |   |
| Double Cascade Soft Pink (PAS)                | Not uniform in size, bloom or vigor all season; pretty double flowers.   |   |   |
| Dreams Mix - Patriot (PAS)                    | Red, white, and blue; Not uniform in size in July with white being biggest and red and blue the smallest; better in August.        | Good bloom but not uniform in sizes; white was the most vigorous while red was the least.                             | Fairly uniform in size in July; by September, red plants seemed most vigorous.                                      |
| Dreams Mix - Waterfall (PAS)                  | Purple, white, lavender; No vigor compared to others in July; lacked uniformity in size all season.                                |   |   |
| Lavender Storm (GS)                           | Not as vigorous as it has been in the past; plants were small but bloom was good, especially in August.                            |   |   |
| Pink Morn Storm (GS)                          | Not uniform in size or vigor all season; bloom was alright but also not uniform.   |   |   |
| Pink Storm (GS)                               | Nice, bright pink color; Lacked uniformity in size all season but bloom especially nice in August.                                 |   |   |
| Prism Sunshine (AAS '98)                      | Only 6 of 12 plants healthy with good bloom; lacked uniformity in size and vigor all season.                                       | Good bloom all season, nicest in September when it was full and vigorous.   | Good bloom in July but plants not as full as some other groups; nicest in September with good bloom and uniformity. |
| Salmon Storm (GS)                             | Not uniform in size in July but bloom was good; bloom still good in August but it wasn't as vigorous as others.                    |   |   |
| White Storm (GS)                              | Most vigorous of the 'Storm' petunias this year with a good show of white, especially into August.                                 |   |   |
| Hedgiflora petunias:                          |  |   |   |
| Tidal Wave Cherry (Ball)                      | Excellent bloom, show and vigor all season.  |   |   |
| Tidal Wave Silver (PAS, AAS '02)              | Most vigorous of the two 'Tidal Waves' this year; excellent vigor and bloom all season.  | Very nice all season with good bloom and vigor; maybe too vigorous in September as it overtook neighboring plants.    | Not as vigorous here in July as in Dickinson; very good vigor and show by September.                                |
| Milliflora petunias:                          |  |   |   |
| Fantasy Blue (GS)                             | Good bloom all season; uniform in size except for 1 small plant; nice show of blue in August.                                      |   |   |
| Fantasy Carmine (GS)                          | Lacked uniformity in size all season with two really small plants; bloom was good, though.   |   |   |
| Fantasy Crystal Light Salmon (GS)             | One of the poorer 'Fantasy' petunias; not uniform in size or bloom time all season.  |   |   |
| Fantasy Crystal Red (GS)                      | Nice all season with good bloom, vigor and uniformity during both evaluations.   |   |   |
| Fantasy Ivory (GS)                            | Good bloom all season but lacked uniformity in size.   |   |   |

|                                  |                                 |  |  |   |
|----------------------------------|---------------------------------|--|--|---|
| Milliflora petunias (cont.)      | Fantasy Light Lavender (GS)     | Very good vigor and bloom all season; not uniform in size in July but better in August.                                    |  |   |
|                                  | Fantasy Pink (GS)               | Good bloom all season but not uniform in size.   |  |   |
|                                  | Fantasy Pink Morn (GS, AAS '96) | Good bloom all season; not uniform in size in July but better in August.   |  |   |
|                                  | Fantasy Red (GS)                | Least vigorous of the 'Fantasy' petunias; not as showy or uniform as the others.   |  |   |
|                                  | Fantasy Rose (GS)               | Good bloom all season but not uniform in size or vigor - 1 sickly plant in August.   |  |   |
|                                  | Fantasy Salmon (GS)             | Not as vigorous, showy or uniform as other 'Fantasy' petunias all season.  |  |   |
| Multiflora Petunias              |                                 |  |  |   |
|                                  | Merlin Blue Morn (AAS '03)      | Deep blue fading to light blue center-pretty color; Good bloom all season; size uniformity better in August.               | Good bloom in July but not as vigorous as some other petunias; very nice in September with good vigor and bloom. | Not uniform in size in July but good bloom; nicest bloom in September but started to get leggy. |
|                                  | PrimeTime Blue (GS)             | Good bloom and vigor all season; not as uniform in size in July as August.   |  |   |
|                                  | PrimeTime Carmine (GS)          | Good bloom all season but not uniform in size or vigor early; better in August.  |  |   |
|                                  | PrimeTime Lavender (GS)         | One of the nicest multifloras all season with good vigor, uniformity and bloom.  |  |   |
|                                  | PrimeTime Light Blue (GS)       | Lacked uniformity in size all season; best bloom in August.  |  |   |
|                                  | PrimeTime Mid-blue (GS)         | Good bloom all season but not uniform in size.   |  |   |
|                                  | PrimeTime Pink (GS)             | Lacked uniformity in size early but bloom was good; nicest in August with a good show of pink.                             |  |   |
|                                  | PrimeTime Red (GS)              | One of the least vigorous 'PrimeTime' petunias all season; didn't bloom well either.                                       |  |   |
|                                  | PrimeTime Red Frost (GS)        | Lacked uniformity in size and bloom not as good as others; all plants sickly and yellow by August.                         |  |   |
|                                  | PrimeTime Rose Frost (GS)       | Rose with white edge: Pretty flowers but not uniform in size all season; good bloom in July.                               |  |   |
|                                  | PrimeTime Salmon (GS)           | Bloom good all season but lacked uniformity in size; good vigor also.  |  |   |
|                                  | PrimeTime Scarlet (GS)          | Bloom good all season but not uniform in size or vigor.  |  |   |
|                                  | PrimeTime White (GS)            | Nice show of white in August; bloom good in July but not uniform in size.  |  |   |
| Prostrate or spreading petunias: |                                 |  |  |   |
|                                  | Blue Wave (PAS, AAS '03)        | Deep velvet blue; Good bloom all season; not as uniform in size as 'Pink Wave' early; better in August.                    | Good bloom all season but was overtaken by 'Tidal Wave Silver' in September.                                     | Did alright all season but bloom not as good as some others.                                    |
|                                  | Easy Wave Pink (PAS)            | Pink; Not as vigorous or floriferous as other spreading petunias; being overrun by 'Rambling Burgundy Chrome' in August.   | Good bloom but some yellowing and sickly plants by September.  | Did well all season with good bloom, although it was a little more showy in September.          |
|                                  | Giant Purple Surfinia (J&P)     | Not uniform in vigor all season - a few sickly, small plants; bloom alright.   | Good vigor and bloom all season; flowers very big and showy.   | Good vigor, bloom and uniformity all season.  |
| Spreading petunias (cont.)       | Lavender Wave (PAS, AAS '02)    | Excellent bloom all season; not uniform in size in July; being overrun by 'Tidal Wave Silver' in August.                   | Not as floriferous as some others in July but very nice in September with good bloom, vigor and uniformity.      | Did well all season but was especially nice by September with good bloom and vigor.             |
|                                  | Lime Surfinia (J&P)             | Similar to 'Pink Veined Surfinia' in July; not as vigorous as others in August but bloom good.                             | Nicest in September with good bloom and vigor, although not as vigorous as 'Giant Purple Surfinia'.              | Not uniform in size early; vigorous in September but not as floriferous as some others.         |
|                                  | Misty Lilac Wave (PAS)          | Good bloom in July but not uniform in size; best in August with good vigor, bloom and display.                             |  |   |
|                                  | Pink Veined Surfinia (J&P)      | More vigor than 'Lime Surfinia' in July; good bloom all season; best 'Surfinia' in Fargo in August.                        | Not as vigorous as other two 'Surfinia' petunias and being overrun by 'Giant Purple Surfinia' in September.      | Didn't do as well as the other two 'Surfinia' petunias here.                                    |
|                                  | Pink Wave Improved (PAS)        | Nice carpet of pink all summer.  | Not as floriferous as some other petunias in July but good vigor; nicest in September with a good show of pink.  | Not as vigorous or floriferous as other spreading petunias all season.                          |
|                                  | Purple Wave (AAS '95)           | Excellent bloom; not as vigorous in July as August - very nice by then.  |  |   |
|                                  | Rambling Burgundy Chrome (GS)   | Good bloom and vigor by August; growth seemed more upright than other spreading types-more like the 'Tidal Wave' petunias. |  |   |
|                                  | Rambling Shades O' Pink (GS)    | Lacked uniformity in size all season but bloom was good.   |  |   |

|  |  |  |   |
|--|--|--|---|
| Trailing Purple (Gri)  | Bloom better in July than August; Similar color to 'Purple Wave' but not as vigorous or floriferous.                           |  |   |
| Phaseolus coccineus (Scarlet Runner Bean) 'Scarlet Emperor' (Pk) | Vine with orange-red blossoms; Very vigorous all season; needs a lot of space or it will overtake its neighbors.               |  |   |
| Portulaca grandiflora 'Margarita Rosita' (AAS '01)               | Very nice in July with good vigor, bloom and uniformity; drastic decline in vigor and bloom by August; possibly Aster Yellows. | Not blooming in July and not uniform in size; good bloom in September and in better health than in Fargo.      | Good bloom and uniformity all season.   |
| P. grandiflora 'Sundial Peach' (AAS '99)                         | Similar to 'Margarita Rosita'-very nice in July with a drastic decline in August.  | Plants disappeared? Not there in July.   | Just starting to bloom for July evaluation; good vigor but lacked uniformity in size.                             |
| Rudbeckia hirta 'Autumn Colors' (Ben)                            | Lacked uniformity in size all season; very floriferous by August; big flowers on smaller plants.                               | Not uniform in size all season; not blooming in July but very showy in September.                              | Not blooming in July; very showy in September with good vigor, bloom and uniformity.                              |
| R. hirta 'Cherokee Sunset' (AAS '02)                             | Slow to bloom; good vigor; best bloom in August with a good display of colors.   | Good vigor but not blooming in July and not uniform in size; good bloom in September but still not uniform.    | Not blooming in July; lacked uniformity in size all season but bloom very good in September.                      |
| R. hirta 'Cordoba' (Ben)   | Gold outside, bronze inside; Not uniform in vigor, size or bloom all season; 1 really nice plant out of 12.                    | Not uniform in size or bloom all season but flowers were a pretty gold that turned into a brown center.        | Not uniform in size or bloom in July; one dying plant in September but bloom good on other plants.                |
| R. hirta 'Indian Summer' (AAS '95)                               | Good vigor but not uniform in size and slow to bloom; nice show in August but still not uniform in size.                       |  |   |
| R. hirta 'Prairie Sun' (Ben, AAS '03)                            | Clear golden yellow-greenish center-pretty flowers; not uniform in size or bloom time in July; good show of color in August.   | Not uniform in size all season; not blooming in July but very showy in September.                              | Good vigor and uniformity in July but not blooming; very showy in September.                                      |
| R. hirta 'Toto Lemon' (Ben)                                      | Only 4/12 plants survived after transplanting-only 2 left by August; those were loaded with blooms though.                     | Not uniform in size but bloom good in July; by September plants were dying.                                    | Good bloom and vigor in July but not uniform in size; still nice in September but some plants dying.              |
| R. hirta 'Toto Rustic' (Ben)                                     | Not uniform in size, vigor or bloom all season; lost two plants early.   | Pretty flowers but not uniform in size and plants all died off over the course of the summer.                  | Nice bloom in July but not uniform in size; plants dying in September.  |
| Salvia coccinea 'Snow Nymph' (Pk)                                | White; Just starting to bloom for July evaluation; nice in August with good bloom and uniformity.                              |  |   |
| S. farinacea 'Reference' (Ben)                                   | Good bloom and vigor all season but not uniform in size.   |  |   |
| S. patens 'Blue Angel' (Ben)                                     | Not blooming for July evaluation but vigorous; uniform in August with pretty blue flowers but not much bloom.                  | Slow to bloom but by September very nice with a good show of blue and good uniformity.                         | Just starting to bloom in July; healthy and uniform but not quite as floriferous as in Fargo and Dickinson.       |
| S. splendens 'Blue Ribbon' (PAS)                                 | Lavender; Nicest of the S. splendens all season; good uniformity and bloom although dead heads detracted in August.            | Not uniform in size or bloom early; by September good vigor and bloom but blooms had faded somewhat.           | Not as floriferous as 'Salvador Red' in July but more vigorous; good bloom in September but dead heads detracted. |
| S. splendens 'Firecracker Red' (Gri)                             | Not blooming in July and not too vigorous; nicer in August but kochia falling over on it.                                      |  |   |
| Salvia splendens 'Salsa Mix' (GS)                                | Good bloom all season but not uniform in size and not as vigorous as 'Vista Mix'.  |  |   |
| S. splendens 'Salvador Red' (S&G)                                | Not uniform in size or vigor all season; some plants really showy and nice while others very poor.                             | Only three plants of six were still alive by the July evaluation; nice in September with good bloom and vigor. | Nice plants all season with good bloom and show of red.   |
| S. splendens 'Vista Mix' (PAS)                                   | Good bloom all season although dead heads detracted in August; lacked uniformity in size early.                                |  |   |
| Sanvitalia speciosa 'Aztec Gold' (Ben)                           | Not uniform in size or bloom early but by August they were nice little plants with good bloom.                                 |  |   |
| Scabiosa atropurpurea 'QIS Scarlet' (Pk)                         | Good bloom all season but stems falling over; seed heads attractive also.  |  |   |
| S. atropurpurea 'Sweet Scabious Mix' (Pk)                        | Not uniform in bloom time or size but floriferous and seed heads attractive.   |  |   |
| Senecio cineraria 'Cirrus' (Pk)                                  | Foliage plant with silver color; Very healthy all season but not uniform in size.  |  |   |
| Spilanthes oleracea 'Peek-A-Boo' (PAS)                           | Interesting plant with bronze green foliage and golden 'balls' for flowers; good vigor and bloom all season.                   | Good uniformity and bloom all season.  | Neat little plants; uniform, vigorous and floriferous all season.   |
| Stipa tenuissima 'Angel Hair' (Pk)                               | Ornamental grass; Nice all season with good uniformity and vigor.  |  |   |
| Tagetes erecta 'Antigua Gold' (GS)                               | Doing well early but nicest in August; one of the better African marigold cultivars in August.                                 |  |   |
| T. erecta 'Antigua Orange' (GS)                                  | Small plants; not uniform in size or bloom all season.   |  |   |
| T. erecta 'Antigua Primrose' (GS)                                | Best show in July with good bloom and uniformity; decline in health in August but bloom still alright.                         |  |   |
| T. erecta 'Antigua Yellow' (GS)                                  | Best bloom and vigor in July but not uniform in size; 1 dying plant in August-bloom still ok though.                           |  |   |
| T. erecta 'Discovery Orange' (Bod)                               | Small plants all season; not uniform in size or bloom time.  |  |   |
| T. erecta 'Discovery Yellow' (Bod)                               | Good bloom and vigor in July but not uniform in size-bloom still ok in August but 1 dying plant.                               |  |   |
| T. erecta 'Inca II Gold' (GS)                                    | Not as uniform in size or bloom as others in July; 4 dying plants by August.   |  |   |

|  |  |  |  |
|--|--|--|--|
| T. erecta 'Inca II Orange' (GS)                  | Poor, not uniform in size all season and 2 dying/dead plants in August.  |  |  |
| T. erecta 'Inca II Primrose' (GS)                | Good bloom in July but not uniform in size; 1 dead plant by August.  |  |  |
| T. erecta 'Inca II Yellow' (GS)                  | More vigor and blooms than 'Inca II Primrose'; not uniform in size, though, and 3 dying plants by August.                        |  |  |
| T. erecta 'Perfection Gold' (GS)                 | One of the nicest African marigold groups; healthy, floriferous, and uniform; good show, especially into August.                 |  |  |
| T. erecta 'Perfection Orange' (GS)               | Not uniform in size or bloom all season.   |  |  |
| T. erecta 'Perfection Yellow' (GS)               | One of the nicer African marigold groups in July; good vigor all season but dead heads detracted in August.                      |  |  |
| T. patula 'Bonanza Bolero' (AAS '99)             | Nicest in July with good vigor, bloom and uniformity; still nice in August but Aster Yellows in one plant.                       | Not as floriferous as others in July but very nice in September with good bloom, vigor and uniformity.         | Not uniform in size or bloom time early but very nice show in September.   |
| T. patula 'Bonanza Harmony' (PAS)                | Nicest in July with good bloom; still showy in August but not as floriferous as 'Bonanza Bolero'.                                | Good bloom all season but not uniform in size.   | Not uniform in vigor in July; bloom good all season but lacking size uniformity in September.                              |
| Tagetes patula 'Durango Bolero' (PAS)            | Good bloom in July but 2 plants really small; one of the least uniform groups and a lot of Aster Yellows in August.              | Not as uniform or floriferous as the other French marigolds and Aster Yellows showed up by September.          | Not uniform in size or bloom time early; Aster Yellows showed up in September.   |
| T. patula 'Durango Mix' (PAS)                    | Not uniform in size or bloom all season; bloom ok in August but Aster Yellows present.   | Not uniform in size early and Aster Yellows showed up by August although the unaffected plants were very nice. | Not uniform in size all season; Aster Yellows in September.  |
| T. patula 'Durango Red' (PAS)                    | Good bloom all season but not uniform in size.   | Not as uniform in size or bloom as some others and Aster Yellows present by September.                         | Alright in July but very full, nice and showy by September.  |
| T. patula 'Durango Tangerine' (PAS)              | Not as floriferous as others in July; by August they were very showy and floriferous but Aster Yellows showed up.                | Good bloom all season but lacked uniformity in size and Aster Yellows showed up by September.                  | Uniform in size all season and bloom was good, especially into September.  |
| T. patula 'Durango Yellow Improved' (PAS)        | Very nice in July with good bloom and vigor; dead heads detracted in August and Aster Yellows present.                           | Good bloom all season; healthy and uniform as well.  | Not uniform in size or bloom early but very nice in September with a good show of color.                                   |
| Tithonia rotundifolia 'Fiesta del Sol' (AAS '00) | Just starting to bloom in July; not uniform in size, vigor or bloom; good bloom in August but being overrun by Tithonia 'Torch'. | Good vigor all season but bloom better in September.   | Not blooming in July but very nice in September with good bloom, uniformity and vigor.                                     |
| T. rotundifolia 'Torch' (Pk)                     | Orange-red; Very vigorous all season; by August plants falling over and getting hit by powdery mildew.                           |  |  |
| Torenia fournieri 'Summer Wave Amethyst' (J&P)   | Some rabbit damage early; best I've seen this do here with good vigor, bloom and uniformity, especially into August.             | Lacked vigor and uniformity early; by September had fairly good bloom and uniformity.                          | No vigor all season; bloom was better in July.   |
| Trachelium caeruleum 'Passion in Violet' (Da)    | Not uniform in size or bloom all season; has done better in the past.  |  |  |
| Tropaeolum majus 'Alaska' (Pk)                   | Variegated leaves; Not uniform in size or bloom early; nice foliage but few blooms all season.                                   |  |  |
| T. majus 'Empress of India' (Pk)                 | Purple tinge to leaves; Not blooming in July; not much bloom in August either but plants healthy.                                |  |  |
| T. majus 'Moonlight' (Pk)                        | Pale yellow; Most vigorous of the nasturtiums all season; flowers hidden under foliage; some bug damage in August.               |  |  |
| T. majus 'Whirlybird Blend' (Pk)                 | Only 2/6 plants survived transplanting; not uniform in size all season and poor bloom.   |  |  |
| Verbena x hybrida 'Liberty For All' (Ba)         | Red, white, blue; Good bloom in July and fairly uniform in size; by August not much bloom and spider mites present.              | Good vigor early but not uniform in bloom time; good color mix but decline in bloom by September.              | Only white and blue colors; no vigor all season and dying by September.  |
| V. x hybrida 'Merlot Mix Improved' (B)           | White, pink, red, burgundy; Nicest verbena in July but not uniform in vigor; poor bloom in August and spider mites present.      | Not uniform in size or bloom early; looks like rabbits eating it in September.                                 | Not uniform in size early and dying by September.  |
| V. x hybrida 'Quartz Burgundy' (AAS ' )          | Bloom ok all season but not uniform in size.   | Bloom good in July but not uniform in size; decline in bloom by September but size uniformity good.            | Gone by July evaluation.   |
| V. x hybrida 'Quartz Burgundy w/ Eye' (PAS)      | Deep rosy purple with white eye; Not uniform in size early but one of the better bloomers in August.                             | Didn't bloom that well all season; definite decline in bloom by September.                                     | Good bloom in July but not uniform in size; not blooming in September and looks like spider mite or powdery mildew damage. |
| V. x hybrida 'Quartz Waterfall Mix' (P)          | Blue, purple, white; Nicest in July with good bloom and vigor; some spider mite damage in August and not much bloom.             | Good vigor early; bloom and uniformity also good.  | Good uniformity in July and fairly good bloom; dying by September evaluation.  |
| V. x hybrida 'Salmon Tapien' (J&P)               | Lost a few after transplanting, otherwise did well all season; nice ground cover in August; not as floriferous as 'Temari Rose'. | Just starting to look good in July; by September very nice ground cover with good bloom.                       | Nice mat of color in July; not much bloom by September.  |
| V. x hybrida 'Temari Bright Coral' (J&P)         | Only 1 of 12 plants still around in July; slow to bloom but that plant was nice by August.                                       | Not uniform in bloom time early but nice plants; very nice in September with good bloom and vigor.             | Just starting to bloom in July; healthy all season; one of the nicer verbena here in September.                            |
| V. x hybrida 'Temari Rose' (J&P)                 | Very bright fuchsia; Lost 5 of 12 plants-those 5 were vigorous all season with good bloom; best verbena in August here.          | Good vigor early but not uniform in bloom time; very nice in September with good bloom and vigor.              | Not much bloom or uniformity in July; healthy with good bloom in September.  |
| Viola wittrockiana 'Ultimo Morpho' (AAS '02)     | Not uniform in size or bloom early; better in August but not as nice as it was in Dickinson and Williston last year.             | Rabbit damage early but nice little plants; bloom recovered by September and plants looked very nice.          | Nicest in July with good bloom and uniformity; slight decline in bloom and vigor by September.                             |
| Zinnia angustifolia 'Crystal White' (AAS '97)    | Lacked uniformity in size all season; very good bloom in August.   |  |  |
| Z. angustifolia 'Star Bright Mix' (Pk)           | White, orange, gold; Had good bloom but lacked uniformity in size.   |  |  |

|   |   |  |  |
|---|---|--|--|
| Zinnia elegans 'Benary's Giant Mix' (B) | Nice all season with good bloom, uniformity and vigor; dead heads detracted some in August.                                     |  |  |
| Z. elegans 'Park's Picks Mix' (Pk)      | Same as 'Benary's Giant Mix'.   |  |  |
| Z. elegans 'Peter Pan Mix' (GS)         | Nice early with good bloom, uniformity, and vigor; still nice in August but dead heads detracted and lacked uniformity in size. |  |  |
| Z. elegans 'Short Stuff Mix' (GS)       | Similar to 'Peter Pan Mix'.   |  |  |
| Z. elegans 'Zinnita Orange' (Ben)       | Nice, bright orange; Good bloom all season but not uniform in size; dead heads detracted in August.                             | Lacked uniformity in size all season and not as floriferous as 'Zinnita White' in September.     | Not uniform in size, vigor or bloom in July; most uniform 'Zinnita' in September in the Williston trials.      |
| Z. elegans 'Zinnita Yellow' (Ben)       | Healthy with good bloom but lacked uniformity in size all season and dead heads detracted in August.                            | Not uniform in size or bloom all season and one plant dead in September.                         | Best of the three 'Zinnitas' in July but still not uniform in size, vigor or bloom; better bloom in September. |
| Z. elegans 'Zinnita White' (Ben)        | Dull, creamy white; Similar to first 2-not uniform in size and bloom not as good as other two 'Zinnitas'.                       | Most uniform and vigorous 'Zinnita' here; very floriferous in September but not uniform in size. | Not uniform in size all season; best bloom in September.   |
| Z. hybrid 'Profusion Cherry' (AAS '99)  | Best of the three 'Profusions' with good bloom and fairly good uniformity all season.   | Not uniform in size or bloom in July but by September very nice show of pink.                    | Just starting to bloom in July and not uniform in size; much better in September with good show of color.      |
| Z. hybrid 'Profusion Orange' (AAS '99)  | More showy than 'Profusion White' but not as floriferous as 'Profusion Cherry'.   | Good bloom, vigor and uniformity all season, especially in September.                            | Not uniform in size or bloom in July and just starting to bloom; better in September but one dying plant.      |
| Z. hybrid 'Profusion White' (AAS '01)   | Did well but not as uniform or floriferous as 'Profusion Cherry'.   | Not as vigorous or floriferous as previous two but still good show in September.                 | Just starting to bloom in July; two dying plants in September but others nice.                                 |

## 2002 Seed Source List

(An 'R' after the seed source abbreviation indicates retail while a 'W' indicates wholesale or breeding company)

| Abbreviation | Company Name and Address   | Abbreviation | Company Name and Address  | Abbreviation | Company Name and Address  |
|--------------|--|--------------|---|--------------|---|
| AAS          | All-America Selections<br>311 Butterfield Road Suite 311<br>Downer's Grove, IL 60515 | Da (W)       | Daehrfeldt, Inc.<br>P.O. Box 38<br>North Manchester, IN 46962               | Pk (R)       | Park Seed Co.<br>P.O. Box 31<br>Greenwood, SC 29646                       |
| Ball (W)     | Ball Seed Company<br>622 Town Road<br>West Chicago, IL 60185-2698                    | FG (W)       | Fischer USA, Inc.<br>2995 Wilderness Place - Suite 102<br>Boulder, CO 80301 | RS (W)       | Royal Sluis<br>910 Duncan Avenue<br>San Juan Bautista, CA 95045           |
| Ben (W)      | Ernst Benary of America, Inc.<br>1444 Larson Street<br>Sycamore, IL 60178            | Gri (W)      | G. S. Grimes Seeds<br>11335 Concord-Hambden Road<br>Concord, OH 44077       | S&G (W)      | Syngenta Seeds, Inc.<br>5300 Katrine Ave.<br>Downers Grove, IL 60515-4095 |
| Bod (W)      | Bodger Seeds, LTD<br>1800 North Tyler Avenue<br>South El Monte, CA 91733             | GS (W)       | Goldsmith Seeds, Inc.<br>P.O. Box 1349<br>Gilroy, CA 95021                  | Unk          | Unknown   |
| Bur (R)      | W. Atlee Burpee<br>300 Park Avenue<br>Warminster, PA 18974                           | J&P (W)      | Jackson and Perkins Wholesale<br>P.O. Box 9100<br>Medford, OR 97501         | WG (W)       | Waller Genetics<br>P.O. Box 70<br>Guadalupe, CA 93434                     |
| Cl (W)       | Clause Seed<br>100 Breen Road<br>San Juan Bautista, CA 95045                         | PAS (W)      | Pan-American Seed<br>622 Town Road<br>West Chicago, IL 60185-2698           |              |   |