### Perennial Garden Flower Trials – 1999-2002
University of Kentucky Horticulture Research Farm

Robert G. Anderson and Kirk Ranta, Horticulture Department, University of Kentucky

Annual and perennial garden flowers have been evaluated for many years at the University of Kentucky. Trials have occurred at the University of Kentucky Arboretum since 1993. These trials were expanded at the Horticulture Research Farm in 1999 and 2000 with grants from the Kentucky Department of Agriculture and the Kentuckiana Greenhouse Association. Grants from the USDA New Crop Opportunities Center allowed expansion of the trials to over 20,000 square feet of trial gardens in Lexington. Additionally, demonstration gardens have been established at eight locations across the state (listed below).

The collection of perennials in our on-going trials continues to expand. We have nearly 1000 individual plants in the perennial trials with more than 150 species and cultivars in the plots at the Horticulture Research Farm in Lexington. Our trials include the Perennial Plants of the Year from the Perennial Plant Association and some native plants. We now have three years experience with some so our ratings have many observations. However, our ratings should be used only as a guide to determine which perennials you might sell or use in Kentucky landscapes. In general, those that have grown well for two or more seasons are marked (++) and those that have not done too well (-), those unmarked need more time to determine a rating.

Photos and details about plant performance are continually added to the Kentucky Garden Flowers web site: http://www.uky.edu/Ag/Horticulture/gardenflowers or simply go to the UK home page (www.uky.edu) and search for a plant name and you will be directed to the Kentucky Garden Flowers location.

| Mexican Hyssop                  | Astilbe                   |
| Agastache ’Tutti Frutti’ ('01-'02) (-) | Astilbe 'Sprite' ('00-'02) (++) |
| Arkansas Amsonia               |                          |
| Ansonia hubrectii ('01-'02) (+) |                          |
| Artemisia                      |                          |
| Artemisia absinthium ‘Huntington Gardens’ ('01) (-) |                          |
| Aster                          |                          |
| Aster amellus 'Triumph' ('00-'02) (-), Aster laevis 'Bluebird' ('00-'02) (++) |                          |
| Aster latiflorus 'Prince' ('00-'02) |                          |
| Aster novi-belgii ‘Celeste’ ('01-'02) |                          |
| Aster novi-belgii ‘Purple Monarch’ ('01-'02) |                          |
| Aster novi-belgii ‘Snow Cushion’ ('00-'02) |                          |
| Aster novi-belgii ‘White Swan’ ('00-'02) (++) |                          |
| Aster novi-belgii ‘Winston Churchill’ ('01-'02) |                          |
| Aster novi-belgii ‘Woods Purple’ ('00-'02) |                          |
| Aster x frikarti ‘Monch’ ('00-'02) |                          |
| Aster oblongifolius ‘Raydon’s Favorite’ ('02) |                          |
| Calimeris mongolica ('01-'02) (++) |                          |
| Variegata ('00-'02) (++) |                          |

### Additional Plants

- **Astrilbe**
  - Astilbe 'Sprite' ('00-'02) (++)

- **Columbine**
  - Aquilegia x hybrida ‘Rose w/White Edge’ ('02),
    - ‘Songbird Cardinal’ ('02),
    - ‘Winky Red & White’ ('02)

- **Cream False Indigo**
  - Baptisia pendula ('01-'02)

- **Willowleaf Oxeye**
  - Buphthalum salicifolium 'Sun Wheels' ('00-'02) ( - )

- **English Daisy**
  - Bellis perennis ‘Galaxy Rose’ ('02),
    - ‘Rose Border’ ('02),
    - ‘Tasso Strawberry & Cream’ ('02)

- **Feather Reed Grass**
  - Calamagrostis acutifolia ‘Karl Foerster’ ('00-'02) (++)
  - Calamagrostis acutifolia ‘Overdam’, ('02),
  - Variegated Feather Reed Grass, Calamagrostis brachytricha, ('02),
  - Korean Feather Reed Grass
River Oats, Northern Sea Oats
*Chasmanthium latifolium* (++) ('00-'02)

Garden Mums
*Ajania pacificum* 'Pink Ice' (++) ('00-'02),
*Chrysanthemum* ‘Hillside Pink’ (‘01-‘02),
*Chrysanthemum yezoense* (‘00-‘00), *Dendranthema rubellum* 'Clara Curtis' (‘00-‘02), *Dendranthema rubellum* 'Mary Stoker' (‘00-‘02)

Shasta Daisy
*Chrysanthemum* (Leucanthemum) x superbum ‘Becky’ (‘02)

Cumberland Rosemary
*Conradina verticillata* (‘00-‘00)

Coreopsis
*Coreopsis* ‘Tequila Sunrise’ (‘01-‘02), *Coreopsis grandiflora ‘Domino’* (‘02), *Coreopsis grandiflora ‘Early Sunrise’* (‘02), *Coreopsis lanceolata ‘Baby Sun’* (‘02) - Lanceleaf Coreopsis *Coreopsis rosea* ‘American Dream’ (‘01-‘02), *Coreopsis verticillata ‘Moonbeam’* (‘00-‘02) (++)

Montbretia
*Crocosmia crocosmiifolia* 'Venus' (‘00-‘02)

Pinks
*Dianthus allwoodii* 'Doris' (‘02) - Allwood Pink,
*Dianthus allwoodii* 'Frosty Fire' (‘02) - Allwood Pink,
*Dianthus deltoides* ‘Brilliant’ (‘01-‘02) - Maiden Pink,
*Dianthus gratianopolitanus* 'Bath’s Pink' (‘02) (+) - Cheddar Pink

Cone Flower
*Echinacea pallida* (‘00-‘02), *Echinacea paradoxa* (‘00-‘02), *Echinacea purpurea* (‘00-‘02) (++),
*Echinacea purpurea* ‘Magnus’ (‘00-‘02) (++),
*Echinacea simulata* (‘00-‘02), *Echinacea tennesensis* (‘00-‘02) (+)

Silver Prairie Grass
*Erianthus alopecuroides* (‘00-‘02)

Oregon Fleabane
*Erigeron* 'Azure Fairy' (‘00-‘02) (-)

Hardy Ageratum
*Eupatorium coelestinum* (‘01-‘02) (+) (++)

Joe Pye Weed
*Eupatorium maculatum* (‘00-‘02) (++), *Eupatorium maculatum* ‘Carin’ (‘02), *Eupatorium maculatum* ‘Gateway’ (‘02)

Hardy Fuchsia
*Fuchsia magellanica* ‘Ricartoonii’ (‘02) (-)

Wand Flower
*Gaura lindheimeri* ‘Siskiyou Pink’ (‘01-‘02)

Cranesbill, Hardy Geranium
*Geranium* 'Dusky Rose' (‘00-‘02), *Geranium cantabrigiense* 'Blokoval' (‘00-‘02), *Geranium cimerum* 'Ballerina' (‘00-‘02), *Geranium clarkei* ‘Kasmir Purple’ (‘00-‘02), *Geranium maculatum* ‘Claridge Druce’ (‘00-‘02), *Geranium phaeum* ‘Samobor’ (‘00-‘02)

Sneezeweed
*Helenium* 'Copella' (+) (‘00-‘02)

Sun Rose
*Helianthemum* ‘Annabel’ (‘01-‘02) (++),
*Helianthemum nummularium ‘Double Red’* (‘01-‘02)

Sunflower
*Helianthus angustifolius* ‘Gold Lace’ (‘02) - Swamp Sunflower *
Helianthus mollis* (‘00-‘00) - Downy Sunflower, *Heliopsis* 'Loraine Sunshine' (‘00-‘00) (+) - False Sunflower

Daylily
*Hemerocallis* ‘Stella d’Oro’ (‘01-‘02) (++)

Alum Root, Coral Bells
*Heuchera x brizoides* 'Bressingham Hybrid’ (‘01-‘02),
*Heuchera micrantha* 'Palace Purple’ (‘00-‘00)

Garden Hibiscus
*Hibiscus moscheutos* 'Disco Bell Pink’ (‘00-‘02) (++),
‘Disco White’ (‘00-‘00) (++),
*‘Kilimanjaro Red’* (‘01-‘02) (++),
‘Ranier Red’ (‘01-‘02) (++),
*‘Mauna Kea’ (‘01-‘02) (++),
‘Etna Pink’ (‘01-‘02) (++),
‘Matterhorn’ (‘01-‘01) (+)

Crepe Myrtle
*Lagerstroemia indica* ‘Supersonic Mix’ (‘02)

Statice
*Limonium latifolia* (‘00-‘02)

Lobelia
*lobelia speciosa* ‘Fan Burgundy’ (‘01-‘02)

Maltese Cross
*Lychnis coronaria* ‘Angel Blush’ (‘01-‘02), *Lychnis flos-jovis nana* ‘Peggy’ (‘01-02) (-)

Marshallia
*Marshallia grandiflora* (‘02) - Barbara’s buttons,
*Marshallia mohrii* (‘02)

Maiden Grass
*Miscanthus sinensis* ‘Morning Light’ (‘01-‘02) (+)

Bee Balm
*Monarda didyma* ‘Fireball’ (‘02) - Petite Bee Balm,
‘Jacob Cline’ (‘01-‘02), ‘Marshall’s Delight’ (‘01-‘02),
‘Pink Supreme’ (‘02) - Petite Bee Balm

Catmint
*Calamintha nepeta* ‘White Cloud’ (‘02) - Savory Calamint, *Nepeta ‘Dawn to Dusk’* (‘00-‘02) (++),
*Nepeta ‘Subsessilis’* (‘00-‘02) (++), *Nepeta faassenii* 'Six Hills Giant' (‘00-‘00) (++),
‘Walker’s Low’ (‘02)

Ornamental Oregano
*Origanum laevigatum* ‘Herrenhausen’ (‘01-‘02) (++)
Wild Quinine
*Parthenium integrifolium* ('00-'02) (++)

Fountain Grass
*Pennisetum alopecuroides* 'Hameln' ('01-'02) (++)

Beard Tongue
*Penstemon barbatus* 'Prairie Dusk' ('01-'02),
*Penstemon digitalis* 'Husker Red' ('00-'02) (++),
*Penstemon fruticosus* 'Purple Haze' ('01-'02)

Russian Sage
*Perovskia atriplicifolia* ('00-'02) (++), 'Little Spire' ('02)

Fleeceflower
*Persicaria amplexicaule* 'Firetail' ('01-'02),
*Persicaria bistorta* 'Superbum' ('01-'02)

Garden Phlox
*Phlox maculata* 'Miss Lingard' ('00-'02) (++),
'Natasha' ('00-'02) (++),
*Phlox paniculata* 'David' ('02), 'Jill' ('02), 'Margie' ('02),
'Nicky' ('02), 'Robert Poore' ('02),
*Phlox pilosa* 'Eco Happy Traveller' ('02) - Downy Phlox

Prairie Coneflower
*Ratibida columnifera* 'Mexican Hat' ('00-'02) (++)

Black Eye Susan
*Rudbeckia fulgida* var. *sullivantii* 'Goldsturm' ('00-'02)
(+), 'Cono Flower, *Rudbeckia fulgida* var. *fulgida*
('02) - Cone Flower, *Rudbeckia hirta* ('02) - Black Eye Susan,
'Autumn Colors' ('02), 'Cordoba' ('02),
'Goldilocks' ('02), 'Indian Summer' ('02),
'Prairie Sun' ('02), 'Sonora' ('02),
'Toto Gold' ('02), 'Toto Lemon' ('02),
'Toto Rustic' ('02),
*Rudbeckia laciniata* 'Herbstonne' ('02) - Cutleaf Cone Flower,
*Rudbeckia occidentalis* ('02) 'Black Beauty',
*Rudbeckia subtomentosa* ('00-'02) (++) - Sweet Black Eye Susan,
*Rudbeckia triloba* ('00-'02) (+) - Brown Eye Susan

Meadow Sage
*Salvia* 'Blue Hill' ('00-'02) (+),
'Blue Queen' ('00-'02) (+),
'May Night' ('00-'02) (+),
'Blue Hill' ('00-'02)

We wish to thank the Extension agents and Master Gardeners at all our garden locations for all their help with these trials. Please take some time next year to visit these trial and demonstration gardens:
Purchase Area Master Gardener Garden, Paducah
UK West Kentucky Research and Education Center, Princeton

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