



Trial Garden: Species List

Perennials

	Container Size at Planting	Number of Irrigation Visits	Beds (see project layout map) s: spring planted f: fall planted	Planting Date	N.A. Native (N) / Non-Native (NN)	Notes
Achillea millefolium Common yarrow	s: 1 litre f: 1 litre	s: 8 f: 2	s: C1-C4 f: D1-8, E1-8, F3-8	s: May 26 f: September 16	N	Very vigorous in C3 and C4, foliage began to smother neighbouring species, weaker in C1, C2
Agastache foeniculum Anisse hyssop	1 litre	8	C1-C4	May 26	N	Noticeable difference between plants, weaker in C1, C2, stronger in C3, C4, wilted slightly in summer heat
Agastache 'Blue Fortune' 'Blue Fortune' hyssop	1 gal	6	A1-A4	June 1	N	Planted as large plants with flower stems already established, one in A1 died back to rosette, rebounded
Allium cernuum Nodding onion	LP50	8	C1-C4	June 1	N	Planted as very small plugs, no mortality, slow steady foliage growth, only one plant (C1) produced a flower
Allium 'Blue Eddy' 'Blue Eddy' curly onion	9cm	3	D1-8, E1-8, F3-8	September 11	NN	Planted as small containers, very small weak looking plants, weedy potting mix in containers
Anthemis 'Sauce Hollandaise' 'Sauce Hollandaise' marguerite daisy	9cm	8	A1-A4	May 26	NN	Mail order plant, slow to take off, plentiful flowers in summer, long lasting, good reddish fall foliage colour
Aster amellus 'Violet Queen' 'Violet Queen' Italian aster	9cm	8	C1-C4	May 26	NN	Mail order plant, very small, very slow steady growth of basal foliage, small clumps, no flowers in C3
Callirhoe involucrata Wine cups	9cm	8	A1-A4	May 26	N	Planted as very small plants, grew strongly sending out long rangy flowering stems, long flowering period
Coreopsis lanceolata Lance-leaved coreopsis	1 litre	8	C1-C4	May 26	N	Planted as large plants with flower buds already established, long flowering, somewhat floppy
Coreopsis tripteris 'Gold Standard' 'Gold Standard' tall tickseed	LP32	3	D1-8, E1-8, F3-8	September 11	N	Showed good signs of growth through fall
Echinacea pallida Pale purple coneflower	s: 1 litre f: 1 litre	s: 8 f: 2	s: C1-C4, B2, B4 f: D1-8, E1-8, F3-8	s: May 26 f: September 16	N	No flowers, minimal growth in spring planted beds, fall planted stock appeared healthier, better root systems
Echinacea tenesseeensis 'Rocky Top' 'Rocky Top' ozark coneflower	s: LP50 f: 1 litre	s: 8 f: 3	s: C1-C4, B2, B4 f: D1-8, E1-8, F3-8	s: May 26 f: September 11	N	Flowered in, C1, C3, B2. Spring plugs potted and planted as more mature plants in fall beds
Eriogonum allenii 'Little Rascal' 'Little Rascal' shale barrens buckwheat	LP32	8	A1-A4	May 26	N	No flowering, performed very well in A1-A4, performed poorly in B1, B3. Red tinged foliage in fall
Eryngium yuccifolium Rattlesnake master	LP50	7	A1-A4	June 1	N	Planted late as small plugs, minimal foliage growth until late summer, flowered in A3, flowered weakly in A2
Geum triflorum Prairie smoke	1 litre	8	C1-C4	May 26	N	Formed tight dense foliage clumps, tips of foliage turn red in fall, semi-shaded by little bluestem / M. brad.
Inula ensifolia 'Compacta' Swordleaf inula	9cm	8	C1-C4	May 26	NN	Mail order plant, tight small clumps, flowered but not as long as expected, appears very resilient to drought



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Liatris aspera Rough blazing star	1 litre	8	C1-C4, B2, B4	May 26	N	Wide variance in flower stem numbers / heights, one in B4 sickly, no growth, no flowering all season
Liatris cylindracea Cylindrical blazing star	9cm	8	C1-C4, B2, B4	May 26	N	All flowered, weakest flowering in B2, attractive seed heads, appears very resilient
Monarda bradburiana Eastern bee balm	LP50	7	C1-C4	June 1	N	No flowering but good foliage growth, foliage with purple tinges, no mildew evident
Monarda fistulosa 'Claire Grace' 'Claire Grace' wild bergamot	s: LP50 f: 1 litre	s: 8 f: 3	s: A1-A4 f: D1-8, E1-8, F3-8	s: May 26 f: September 11	N	Very strong growth in A1-A4, developed mildew in late summer, poor with almost no growth in B1, B3
Nepeta 'Joanna Reed' 'Joanna Reed' catmint	LP50	8	A1-A4, B1, B3	May 26	NN	Especially lush in A3, A4, very long flowering, performed decently well in B1, B3, very drought tolerant
Oenothera fruticosa 'Fireworks' 'Fireworks' evening primrose	LP50	9	A1-A4	May 26	N	Some small basal growth but very minimal, no flowering
Origanum laevigatum 'Herrenhausen' 'Herrenhausen' ornamental oregano	1 litre	9	C1-C4	May 26	NN	Mail order plant, minimal foliage growth, mostly low, great flower colour, black seed heads
Penstemon digitalis Foxglove beardtongue	LP50	8	C1-C4	May 26	N	Very small top growth of plugs at planting time, good clumps by end of season, only one flowered in C2
Penstemon hirsutus Hairy beardtongue	1 litre	2	D1-8, E1-8, F3-8	September 16	N	Planted as large plants, showed some initial signs of new growth of basal foliage
Perovskia atriplicifolia Russian sage	1 litre	6	A1-A4, B1, B3	June 1	NN	Grew very well in A1-A4, grew well in B1, B3 despite later planting date, very long flowering
Potentilla arguta Tall cinquefoil	9cm	8	C1-C4	May 26	N	Root bound in 9cm, flowered for a short time, basal growth with some mildew in late summer
Pulsatilla vulgaris Pasque flower	1 gal	8	C1-C4	May 26	NN	Planted as fairly large plants, minimal growth, no flowering (planted after its flowering time)
Ratibida pinnata Grey headed coneflower	9cm	8	A1-A4	May 26	N	Planted as large plants (root bound in 9cm), wilted initially, very strong once established, flowered well
Rudbeckia fulgida var. fulgida Brown-eyed Susan	LP50	8	C1-C4, B2, B4	May 26	N	Grew and flowered well in C1-C4, performed surprisingly well in B2, B4, long late flowering, good seed heads
Rudbeckia triloba 'Blackjack Gold' 'Blackjack Gold' brown-eyed Susan	LP32	3	D1-8, E1-8, F3-8	September 11	N	Planted as very small plants, grown from seed sown in May 2018, showed initially good growth after fall planting
Ruellia humilis Wild petunia	LP50	8	C1-C4	May 26	N	Small leggy clumps, flowered well but flowers appeared delicate, falling to ground after rain or wind



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Salvia nemorosa 'Caradonna' 'Caradonna' meadow sage	1 gal	8	A1-A4	May 26	NN	Planted as established plants in flower, continued to flower post planting but not much additional growth
Salvia nemorosa 'Caramia' 'Caramia' meadow sage	9cm	3	D1-8, E1-8, F3-8	September 11	NN	Very good initial growth response after fall planting
Scabiosa ochroleuca 'Moon Dance' 'Moon Dance' cream scabious	1 litre	8	C1-C4	May 26	NN	Mail order plant, exceptionally long flowering time, basal growth very compact, straight species may be better
Sedum telephium 'Matrona' 'Matrona' stonecrop	1 gal	6	A1-A4, B1, B3	June 1	NN	Collapsed and died in A1, A2, A4, B1, B3, will monitor next year, unclear why such poor performance
Solidago ptarmicoides Upland white goldenrod	9cm	8	C1-C4, B2, B4	May 26	N	Planted as large plants (root bound in 9cm), wilted initially, very strong once established, prolific flowering
Solidago shortii 'Solar Cascade' 'Solar Cascade' Short's goldenrod	LP50	8	A1-A4, B1, B3	May 26	N	Planted as very tall plugs, grew well, flowered well but somewhat floppy, showing signs of basal growth
Symphotrichum laeve 'Bluebird' 'Bluebird' smooth aster	LP50	8	D1-8, E1-8, F3-8	September 11	N	Showing good initial signs of basal foliage growth
Symphotrichum oblongifolium 'Raydon's Favorite' 'Raydon's Favorite' fragrant aster	LP50	8	A1-A4, B1, B3	May 26	N	Robust mounds of foliage, very late flowering, almost too late, first blooms only opened in October
Symphotrichum oolentangiense Sky blue aster	9cm	8	C1-C4	May 26	N	Root bound in 9cm), wilted initially, very strong once established, prolific flowering especially in C3, C4
Symphotrichum 'Bridal Veil' 'Bridal Veil' hybrid aster	LP32	8	D1-8, E1-8, F3-8	September 11	N	Showing good initial signs of basal foliage growth



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Grasses

	Container Size at Planting	Number of Irrigation Visits	Beds (see project layout map) s: spring planted f: fall planted	Planting Date	Native (N) / Non-Native (NN)	Notes
Bouteloua curtipendula Sideoats grama	s: 1 gal f: 1 litre	s: 8 f: 2	s: C1-C4, B2, B4 f: D1-8, E1-8, F3-8	s: May 26 f: September 16	N	Small clumps of basal foliage, very tall flowering stems, interesting reddish colour in flowers
Calamagrostis x acutiflora 'Karl Foerster' 'Karl Foerster' feather reed grass	1 gal	9	A1-A4, B1, B3	May 26	NN	Planted as large plants with flowering stems well established, didn't appear to put on much additional growth
Festuca amethystina Tufted fescue	1 gal	9	C1-C4	May 26	NN	Generally poor performance, hardly any visible growth, went dormant in the heat of mid summer, no flowering
Melica ciliata Silky spiked melic grass	LP50	3	D1-8, E1-8, F3-8	September 11	NN	Grown from seed sown in May 2018, showed initially good growth in fall (cool season grass)
Panicum virgatum 'Shenandoah' 'Shenandoah' switch grass	1 gal	6	A1-A4, B1, B3	June 1	N	Planted as large plants, grew and flowered well, no foliage colour in B3, showing early signs of lateral spread
Schizachyrium scoparium Little bluestem	1 gal	8	C1-C4, B2, B4	May 26	N	Grew very well in all substrates, much more upright in poorer substrates in C1, C2, B2, B4, flopped in C3, C4
Schizachyrium scoparium 'Standing Ovation' 'Standing Ovation' little bluestem	LP50	2	D1-8, E1-8, F3-8	September 16	N	Minimal signs of growth in fall (warm season grass)
Sporobolus heterolepis Prairie dropseed	s: 1 litre f: LP50	s: 8 f: 3	s: A1-A4 f: D1-8, E1-8, F3-8	s: May 26 f: September 11	N	Slow to establish but grew and flowered well in A1-A4, showed minimal signs of growth in fall beds

