Figure 18. Trees

Scientific Name	Common Name	Height (feet)	Width (feet)	Native	Riparian	Soil moisture	Salt tolerant	Use under power lines	Flowering	Fall color	Urban conditions	USDA zones	Habit	Notes
				P=Piedmont C=Coastal plane	U=upland L=lowland	W=wet D=dry	S=salt tolerant	N=no Y=yes	X=flowering	C=good fall color	T=tolerant			
Acer rubrum	Red maple	60	40-60	PC	L	WD		N		C		3 to 9	dense, rounded	great red fall color
Acer saccharum	Sugar maple	60-75	40-50	P		W		N		C		3 to 7	upright-oval to rounded	great orange fall color
Amelanchier arborea	Downy serviceberry	15-25	10-20	PC	U			Y	X	C		4 to 9	upright-narrow	white flowers first in spring, fruit and orange fall color
Amelanchier canadensis	Shadblow	6-20		C	L	W		Y	X	C		3 to 8	shrubs with erect stems spreading by suckers	white flowers first in spring, fruit and orange fall color
Amelanchier x grandiflora	Apple serviceberry	15-25	10-20	PC	U			Y	X	C		4 to 9	single stemmed cultivars available	white flowers first in spring, fruit and orange fall color
Amelanchier laevis	Allegheny serviceberry	15-25	10-20	PC	U			Y	X	C		4 to 9	multi-stemmed	white flowers first in spring, fruit and orange fall color
Asimina triloba	Common pawpaw	15-20	15-29	PC	L	W		y	X	C		5 to 8	suckers into loose colonies	good fall color
Betula nigra	River birch	70	40-60	PC	L	WD		N		C	T	4 to 9	pyramidal	peeling bark
Carpinus caroliniana	Ironwood	20-30	20-30	PC	L	W		Y		C		3 to 9	flat or round-topped irreg. crown	smooth bark with clean neat leaves
Cercis canadensis	Eastern redbud	20-35	20-35	PC	UL	WD		Y	X	C		4 to 9	broad globular	early pinkish purple flowers
Celtis occidentalis	Hackberry	75-100	75-100	PC	UL	WS	S	N		C	T	3 to 7	globular	
Chionanthus virginicus	White fringetree	25	25	PC	UL			Y	X	C	T	4 to 9	spreading	white fleecy flowers in late spring
Cladrastis kentukea	Yellowwood	30-50	40-55		L	W		Y	X	C		4 to 8	globular	white pendulous clusters of flowers
Cornus alternifolia	Pagoda dogwood	15-25	20-35	PC		W		Y	X	C		3 to 7	horizontal low branched tree	good horizontal form
Cornus florida	Eastern flowering dogwood	20-35	20-35	PC	U	D		Y	X	C		5 to 9	broad globular (urban intolerant)	early spring flowers
Crataegus viridis 'Winter King'	Green hawthorn	20-35	20-35	C	L			Y	X	C	T	4 to 7	rounded spreading dense tree	bright red berries throughout winter
Cryptomeria japonica 'Yoshino'	Yoshino cryptomeria	30-40	10-20		L	W		N			T	5 to 8	pyramidal with blue green foliage	good clean evergreen
Diospyros virginiana	Persimmon	35-60	20-35	PC	UL	WD		N	X	C	T	4 to 9	slender, oval rounded crown; forms colonies	nice fall color and fruit
Fagus grandifolia	American beech	50-70	50-70	PC				N	X	C		4 to 9	wide-spreading crown	large majestic tree
Fraxinus americana	White ash	50-80	50-80	PC	UL	W	S	N		C		4 to 9	irregular ovoid	
Fraxinus pennsylvanica	Green ash	60	40-50	PC	UL	WD	S	N		C	T	2 to 9	pyramidal	
Ginkgo biloba	Maidenhair tree	50-80	30-40			WD	S	N		C	T	4 to 9	pyramidal (use male only)	interesting leaf shape and yellow fall color
Gymnocladus dioicus	Kentucky coffeetree	60-76	40-50			D	S	N		C	T	3 to 9	narrow obovate crown (males only)	bold winter habit but can be messy
Halesia diptera var. *magniflora*	Two-winged silverbell	20-30	20			D		Y	X			4 to 8b	usually multistemmed or low-branched	white bell-shaped flowers in late spring
Halesia tetraptera	Carolina silverbell	30-40	20-35		U	D		N	X			4 to 9	low branched tree with ascending branches	white bell-shaped flowers in early spring
Ilex opaca	American holly	15-30	10-20	PC	U			N			T	5 to 9	pyramidal	good evergreen
Juniperus virginiana	Eastern red cedar	50-60	25-35	PC	U	D	S	Y			T	3 to 8	broadly conical to columnar	upright evergreen with irregular form
Juniperus virginiana 'Emerald Sentinnel'	Emerald Sentinnel cedar	15-20	6-8		U	D	S	N			T	3b to 9	pyramidal columnar form	upright evergreen with blue green color and regular form
Liquidambar styraciflua	American sweetgum	60	40	PC	UL			N		C	T	5 to 9	pyramidal	purple, yellow and orange fall color on same tree

Figure 18. Trees

Scientific Name	Common Name	Height (feet)	Width (feet)	Native	Riparian	Soil moisture	Salt tolerant	Use under power lines	Flowering	Fall color	Urban conditions	USDA zones	Habit	Notes
				P=Piedmont C=Coastal plane	U=upland L=lowland	W=wet D=dry	S=salt tolerant	N=no Y=yes	X=flowering	C=good fall color	T=tolerant			
Liriodendron tulipifera	Tulip tree	80	30-50	P	U			N	X	C		4 to 9	upright-oval	very straight trunked tree
Magnolia grandiflora	Southern magnolia	40-80	25-40					N	X			7 to 10	dense-pyramidal	evergreen magnolia with summer flowers
Magnolia stellata	Star magnolia	10-20	10-15					Y	X			4 to 9	dense-rounded	early white flowers with straplike petals
Magnolia virginiana	Sweetbay magnolia	20-50	15-30	PC	L	W	S	Y	X	C		5 to 9	pyramidal	semi evergreen with fragrant summer flowers
Magnolia 'Yellow Bird'	Yellow Bird magnolia	40	40					N	X			3 to 8	pyramidal	yellow-flowered
Magnolia 'Galaxy'	Galaxy magnolia							N						large white flowers
Magnolia 'Merrill'	Merrill magnolia	25-30	35					N	X			3b to 8	broad-rounded	free-flowering fragrant form
Magnolia acuminata	Cucumber magnolia	50-80	50-80					N	X			3 to 8	pyramidal when young, rounded with age	large bold leaves
Malus 'Donald Wyman'	Donald Wyman crabapple	20	25					Y	X		T	4 to 7	large spreading form	early flowers (white fading pink) and red fruit
Nyssa sylvatica	Black tupelo	30-50	25-35	PC	L	WD	S	N		C	T	4 to 9	irregular (difficult to transplant)	first red fall color and glossy green summer leaves
Ostrya virginiana	Hophornbeam	35-50	20-35	P	U			Y		C		3 to 8	conical	good clean leaf
Oxydendrum arboreum	Sourwood	25-30	20	P	U	D		Y	X	C		4 to 9	pyramidal	summer flowers, red fall color and winter structure
Pinus strobus	White pine	70	50					N				3 to 7	pyramidal	open evergreen
Pinus taeda	Loblolly pine	60-90	40-60	C	L	W		N				6 to 9	loosely pyramidal	long-needled evergreen
Pinus virginiana	Virginia pine	15-40	10-30	PC	U			N			T	4 to 8	broad open pyramid	heavily coned evergreen
Platanus occidentalis	American sycamore	75-100	60-80	PC	L	WD		N			T	4 to 9	globular (susceptible to anthracnose)	white peeling bark
Platanus x acerifolia	London plane	70-100		PC	L		S	N		C	T	4 to 9	(not susceptible to anthracnose)	white peeling bark
Prunus x yedoensis	Flowering cherry	40-50						N	X	C		5 to 8	rounded, spreading	early white spring flowers
Quercus alba	White oak	75-100	75-100	PC	U	D	S	N		C		4 to 8	wide globular	holds leaves all winter
Quercus bicolor	Swamp white oak	50-60		P	UL	WD	S	N		C	T	4 to 7	rounded	holds leaves all winter
Quercus coccinea	Scarlet oak	50-75	50-75	PC	U	D	S	N		C	T	5 to 7	globular	holds leaves all winter
Quercus imbricaria	Shingle oak	40-60	30-45	P	UL	WD	S	N		C	T	5 to 8	conical	holds leaves all winter
Quercus macrocarpa	Bur oak	70-80	70-80	PC	UL	WD		N			T	3 to 8	broad crown (difficult to transplant)	holds leaves all winter
Quercus michauxii	Swamp chestnut oak	80-100	80-100		L	W		N		C		5 to 8	pyramidal	holds leaves all winter
Quercus phellos	Willow oak	50	40	PC	UL	WD	S	N		C	T	5 to 9	oblong (transplant only in spring)	holds leaves all winter
Quercus prinus	Chesnut oak	60-70	60-70	P		WD		N		C	T	4 to 8	pyramidal	holds leaves all winter
Quercus rubra	Red oak	60-75	40-50	PC	UL	WD	S	N		C	T	4 to 8		holds leaves all winter
Quercus shumardii	Shumard oak	40-60	40-60	PC	U	D		N		C	T	5 to 9	pyramidal to spreading	holds leaves all winter
Sassafras albidum	Common sassafras	30-60	25-40	PC	U			N	X	C	T	4 to 9	flat topped with age, forms thickets	brilliant orange and yellow fall color
Syringa reticulata	Japanese tree lilac	20-30	15-25					Y	X		T	3 to 7	stiff oval to rounded crown	white flowers in summer
Taxodium distichum	Bald cypress	75-100	20-30	PC	L	WD	S	N			T	4 to 11		deciduous conifer
Thuja plicata 'Green Giant'	Giant arborvitae	30-40	30			WD		N			T	4 to 8	broad pyramidal	bold screening evergree
Tilia americana	American linden	60-80	40-60	P	UL			N		C		3 to 8	ovoid	clean neat leaves

Figure 19. Shrubs

Scientific Name	Common Name	Height (feet)	Width (feet)	Native	Riparian	Soil moisture	Exposure	Salt tolerant	Flowering	Fall Color	Urban conditions	USDA zone	Habit	Notes
				P=Piedmont; C=Coastal Plain	U=upland; L=lowland	W=wet; D=dry	S=sun; PS=part shade; SH=shade	S=salt tolerant	X=flowering	C=good fall color	T=tolerant			
Abelia x grandiflora	Glossy abelia	6	6				S, PS		X	C		6 to 9	open and spreading, banks or hedges	pinkish white flowers with persistent sepals
Amorpha fruticosa	False indigo-bush	6 to 20	5 to 15	PC	L	WD	S	S	X		T	4 to 9	leggy shrub	purplish-blue with orange anthers in upright spikes in June
Alnus serrulata	Smooth alder	6 to 10	6 to 10	PC	L	W	S, PS					5 to 9	multi-stemmed and suckering	yellow catkins
Aronia arbutifolia	Chokeberry	6 to 10	3 to 5	PC	L	WD	S, PS		X	C	T	4 to 9	upright,naturalizing habit; spreads and suckers	white flowers and bright red fruits
Aronia melanocarpa	Black chokeberry	3 to 5	3 to 5	P		WD	S, PS		X	C	T	3 to 9	suckers profusely forming large colonies	white flowers and blackish purple fruits
Baccharis halimifolia	Groundselbush	5 to 12	5 to 12	C	L	WD	S	S	X		T	5 to 9	rounded habit, good filler plant	fall flowering with white silky hairs
Calycanthus floridus	Sweetshrub	6 to 9	6 to 12		U		S, SH		X		T	4 to 9	broadly rounded shrub	maroon flowers with fruity fragrance; cultivars with yellow flowers; yellow fall color
Campsis radicans	Trumpet vine	30 to 40		PC		D	S	S	X		T	4 to 9	rampant clinging vine	trumpet shaped, rich orange to scarlet flowers
Cephalanthus occidentalis	Buttonbush	6	6	PC	L	W	S		X			5 to 11	rounded loose shrub with coarse winter texture	creamy white, globular flowers in summer; will grow in standing water
Clethra alnifolia	Summersweet clethra	3 to 8	4 to 6	C	L	W	S, PS	S	X	C		4 to 9	oval, round-topped shrub; forms broad colonies	fragrant, upright flower clusters in summer
Cornus amomum	Silky dogwood	6 to 10	6 to 10	PC	L	W	S, PS		X			4 to 8	multi-stemmed shrub	yellow-white flattopped cymes
Cornus racemosa	Gray dogwood	10 to 15	10 to 15	P	U	WD	S, SH		X			3b to 8	multi-stemmed, suckering shrub	whitish panicles that terminate every stem
Cornus sericea (*C.stolonifera*)	Redosier dogwood	7 to 9	10+	PC	L	W	S, SH		X	C		2 to 7a	multi-stemmed and suckering	red stems showy in winter
Forsythia x intermedia	Border forsythia	8 to 10	10 to 12				S		X		T	6 to 8	arching canes; suckers slowly	first yellow flower in spring
Fothergilla gardenii	Dwarf fothergilla	3 to 6	2 to 3				S, PS		X	C		5 to 8	rounded and suckering	white, fragrant terminal spikes; great yellow, orange, scarlet fall color
Fothergilla major	Large fothergilla	6 to 10	6 to 10				S, PS		X	C		4 to 8	rounded mulit-stemmed shrubs with erect stems	white, fragrant terminal spikes; great yellow, orange, scarlet fall color
Hamamelis virginiana	Common witchhazel	20 to 30	15 to 20	PC	U		S, SH		X	C	T	3b to 8	irregular rounded, with spreading branches	yellow strap-shaped, fragrant flowers in fall
Hydrangea quercifolia	Oakleaf hydrangea	4 to 6	4 to 6				S, PS		X	C		5 to 9	upright; forming mounded colonies	white erect panicles with excellent purple fall color
Hypericum prolificum	Shrubby St. johnswort	1 to 4	1 to 4	P	U	WD	S, PS		X		T	4 to 8	dense stout shrub habit	bright yellow axillary and terminal clusters
Ilex glabra	Inkberry	6 to 8	8 to 10	C	L	W	S,SH					5 to 9	upright, naturalizing habit, rounded shape	good dark green leaves
Ilex verticillata	Winterberry	6 to 10	6 to 10	PC	L	W	S, PS					3 to 9	multi-stemmed and suckering	showy red berries all winter
Ilex x meserveae	Blue holly	varied	varied				S, SH					6 to 8	variable habits for different cultivars	blue green evergreen foliage
Itea virginica	Virginia sweetspire	3 to 5	5 to 7	C	L	WD	S, SH		X	C		5 to 9	erect, clustered branches; forms colonies	white, fragrant racemes; persistent yellow, orange, purple, scarlet fall color
Iva frutescens	Marsh elder			C	L	W	S	S	X					

Figure 19. Shrubs

Scientific Name	Common Name	Height (feet)	Width (feet)	Native	Riparian	Soil moisture	Exposure	Salt tolerant	Flowering	Fall Color	Urban conditions	USDA zone	Habit	Notes
				P=Piedmont; C=Coastal Plain	U=upland; L=lowland	W=wet; D=dry	S=sun; PS=part shade; SH=shade	S=salt tolerant	X=flowering	C=good fall color	T=tolerant			
Juniperus conferta	Shore juniper	1 to 2	6 to 9			D	S	S			T	6 to 9	low ground cover	
Leucothoe axillaris	Mountain fetterbush	2 to 4	3 to 6		U	W	PS, SH		X	C		5 to 8	arching habit	white axillary racemes; can get spots on foliage
Leucothoe racemosa	Sweetbells leucothoe	4 to 6	4 to 6	C	L	W	PS, SH		X	C		5 to 9	multi-stemmed and suckering habit	white axillary racemes
Lindera benzoin	Spicebush	6 to 12	6 to 12	PC	L	W	S, PS, SH		X	C		4 to 9	loose habit in wild, broad rounded in cultivation	yellow; small but effective in mass; golden yellow fall color
Myrica pensylvanica	Northern bayberry	5 to 12	5 to 12	PC		D	S, PS	S				3 to 7	suckering, large colonies	greyish-white fruit can be effective
Parthenocissus quinquefolia	Virginia creeper	30 to 50		PC	U		S, PS, SH	S		C	T	4 to 9	deciduous vine with tendrils	crimson red in fall; first to color
Prunus maritima	Beach plum	6 to 8	6 to 8	C	U	D	S	S	X			3 to 6	rounded habit, dense suckering shrub	white flowers in May
Rhododendron atlanticum	Coast azalea	3 to 6	3 to 6	C		W	S, PS, SH		X			5 to 8	shrub with suckering habit	blue green foliage and white to pink flowers
Rhododendron canescens	Hoary azalea	10 to 15		PC	L	W	PS, SH		X			5 to 9	large shrub forming large colonies	fragrant, white to pink flowers
Rhododendron periclymenoides	Pinxterbloom azalea	4 to 6		PC	U	D	S, PS, SH		X			4 to 8	low, much branched, stonoiferous, deciduous shrub	fragrant, white to pale pink flowers
Rhododendron viscosum	Swamp azalea	1 to 8	3 to 8	C	L	W	S, PS		X			4 to 9	open habit with spreading branches	white with clove scent
Rhus aromatica	Fragrant sumac	2 to 6	6 to 10				S, PS		X	C		3 to 9	low, irregular spreading shrub	fall color orange to reddish purple
Rhus aromatica 'Gro-low'	Gro-low fragrant sumac	2	6 to 8				S, PS		X	C		3 to 9	ground cover use, fast to fill in an area	orange red fall color
Rhus copallina	Winged sumac	20 to 30	20 to 30	PC	U	D	S		X	C		4 to 9	compact and dense then open and irregular in habit	scarlet fall color
Rhus glabra	Smooth sumac	9 to 15	9 to 15	PC	U	D	S		X	C		3 to 9	suckers to form colonies	orange-red-purple fall color with persistent scarlet fruit
Rhus typhina	Staghorn sumac	15 to 20	15 to 20	PC	U	D	S		X	C		4 to 8	loose open forming large colonies	yellow, orange and scarlet fall color with large crimson fruit
Spiraea x bumalda	Bumald spirea	2 to 3	3 to 5			D	S		X			3 to 8	flat-topped twiggy shrub	Magic Carpet', 'Limemound' and 'Goldflame' have interesting foliage colors
Spiraea japonica 'Nana'	Japanese spirea	1 1/2 to 2 1/2	6				S		X			4 to 8	dainty fine-textured low mass	pink flowers against bluegreen leaves
Spiraea nipponica 'Snowmound'	Snowmound spirea	3 to 5	3 to 5				S		X			4 to 7	neat semi-upright in habit	white flowers against blue green leaves
Staphylea trifolia	American bladdernut	10 to 15	10	P	U		PS, SH		X			4 to 8	upright, suckering shrub	bell-shaped flowers in panicles
Syringa meyeri	Meyer lilac	4 to 8	6 to 12				S		X			3 to 7	broad rounded, mounded shrub	fragrant violet purple flowers; mildew resistant
Syringa patula 'Miss Kim'	Manchurian lilac	3 to 5	3 to 4				S		X	C		4 to 7	oval rounded shrub	purple buds open to fragrant icy blue flowers; reddish purple fall color
Vaccinium angustifolium	Lowbush blueberry	1/2 to 2	2 to 3	P	U	D	S		X	C		2 to 6	low, open growing shrub	white flowers, tinged pink and crimson fall foliage

Figure 19. Shrubs

Scientific Name	Common Name	Height (feet)	Width (feet)	Native	Riparian	Soil moisture	Exposure	Salt tolerant	Flowering	Fall Color	Urban conditions	USDA zone	Habit	Notes
				P=Piedmont; C=Coastal Plain	U=upland; L=lowland	W=wet; D=dry	S=sun; PS=part shade; SH=shade	S=salt tolerant	X=flowering	C=good fall color	T=tolerant			
Vaccinium corymbosum	Highbush blueberry	6 to 12	8 to 12	PC	L	W	S, PS		X	C		3 to 7	upright multi-stemmed	white urn-shaped flowers, blue fruit and red fall color
Viburnum acerifolium	Mapleleaf viburnum	4 to 6	4	PC	U	D	PS, SH		X	C		4 to 8	low branched forming suckering thickets	yellowish white flattopped flowers with pink, rose, purple fall color
Viburnum bracteatum	Bracted viburnum	10	10			D	S, PS		X	C		6 to 8	dense rounded shrub with arching branches	large cream white flowers with yellow-bronze fall color
Viburnum carlesii	Koreanspice viburnum	4 to 5	4 to 8				S, PS		X	C		5 to 7	rounded dense shrub	fragrant pink flowers opening white
Viburnum cassinoides	Witherod viburnum	5 to 6	5 to 6	C	L	W	S, PS		X	C		3 to 8	compact rounded shrub	fruit changes from green to pink to red to blue to black
Viburnum dentatum	Arrowwood viburnum	6 to 8	6 to 8	PC			S, PS		X	C		3 to 8	multi-stemmed, dense	creamy white flowers with good fall color (especially in cultivars)
Viburnum x juddii	Judd viburnum	6 to 8					S, PS		X	C		4 to 8	full and rounded shrub	highly fragrant flowers
Viburnum lentago	Nannyberry viburnum	15 to 18	10			WD	S, SH		X	C		3 to 7	slender finely arching branches	creamy white flowers
Viburnum nudum	Swamphaw viburnum	6	6	PC	L	W	S, PS		X	C		5 to 9	suckering rounded habit	white flowers; fruit is showy
Viburnum nudum 'Winterthur'	Wintethur viburnum	6	6	PC	L	W	S, PS		X	C		5 to 9	suckering rounded habit	white flowers; consistent purple fall color
Viburnum prunifolium	Blackhaw viburnum	12 to 15	8 to 12	PC	U	D	S, SH		X	C		3 to 9	multi-stemmed, round-headed tree-like habit	creamy white flowers and dull red fall color
Viburnum trilobum	Cranberrybush viburnum	8 to 12	8 to 12				S, PS		X	C		2 to 7	round-topped and dense	large white flower clusters

Figure 20. Herbaceous Plants

Scientific Name	Common Name	Height (feet)	Width (feet)	Native	Soil moisture	Exposure	Salt tolerance	Flowering characteristics	USDA zone	Habit	Notes
				P=Piedmont; C=Coastal Plain	W=wet; D=dry	S=full sun; PS=part shade; SH=full shade	S=salt tolerant				
Amsonia ciliata	Downy blue star	1 to 3	3			S, PS		pale blue starry flowers	7 to 10	upright	hairy foliage, golden fall color
Amsonia hubrichtii	Threadleaf blue star	3	3		D	S, PS		clusters of steely blue flowers in May	5 to 9	graceful; upright bushy habit	fine-textured foliage; golden fall color
Amsonia tabernaemontana	Willow leaf blue star	1 to 3	3			S, PS		blue flowers	3 to 9	upright	broader leaves; yellow fall color
Amsonia 'Blue Ice'	Blue Ice blue star	1 to 1 1/2	3			S, PS		darker blue flowers	5 to 9		broader leaves; yellow fall color
Arunus dioicus	Goat's beard	4 to 6	6		W	PS, SH		creamy white feathery plumes in early summer	3 to 7	forms large clumps	
Asclepias incarnata	Swamp milkweed	2 to 4	2	PC	W	S, PS		rose-pink flowers	3 to 9		willow-like leaves
Asclepias syriaca	Common milkweed	2 to 4		PC		S		deep pink clusters of fragrant flowers in June/July		robust and stoloniferous	pods of silky seeds in October
Asclepias tuberosa	Butterfly milkweed	2 to 3	2	PC	D	S		bright orange	4 to 9	rambling	ornamental seed pods
Asclepias verticillata	Whorled milkweed	1 to 2		PC	D	S		sweet-scented white flowers	4 to 8	clumps increase by runners	yellow to orange fall color and pencil thin seed capsules
Aster concolor	Eastern silvery aster	1 to 3		C	D			blue to pink daisy-like flowers		creeping rhizomes	
Aster cordifolius	Heart-leaf aster	2 to 3		P	D	PS, SH		blue flowers in Sept./Oct.	3 to 8	short and creeping rhizomes	
Aster divaricatus	White wood aster	1 to 2	3	P		PS, SH		clusters of small, star-like white flowers with yellow centers	4 to 8	spreading habit, good ground cover	
Aster ericoides	White heath aster	1 to 3		C		S, PS		single white flowers with gold centers in September	5 to 8	dense, carpeting ground cover	
Aster laevis	Smooth blue aster	3 to 4		PC		S, PS		blue cone-shaped clusters of single violet blue flowers with golden yellow centers in Sept./Oct.	4 to 8	vase-shaped clump	needs no staking
Aster lateriflorus	Goblet aster	3	3	PC		S, PS		white, reddish centers	6 to 8	multi-stemmed habit	
Aster linariifolius	Stiff aster	1 to 1 1/2			D	S, PS		single lavender with gold centers from late August through October	4 to 8	clump-forming	fine-textured foliage; golden fall color
Aster nova-angliae	New England aster	4 to 6	4	PC	W	S, PS		violet to purple; 1 1/2 -2" across in August/Sept.	4 to 8	mounded to upright habit	
Aster novi-belgii	New York aster	2 to 6	3	C	W	S		light blue flowers in August/Sept.	4 to 8	mounded to upright habit	
Aster oblongifolius 'October Skies'		1 1/2 to 3	4		D	S		blue flowers in late Sept./October	5 to 8	low mound of bushy foliage	
Aster oblongifolius 'Raydon's Favorite'		3	4		D	S		medium blue flowers in October	3 to 7	mound of bushy foliage	
Aster patens	Late purple aster	1 to 5		PC	D			blue flowers	3 to 8		
Aster pilosus	Smooth heath aster	4	2	PC	D			small white flowers	5 to 8	very floriferous, narrow foliage	
Aster puniceus	Bristly aster	6		PC	W	S, PS		light blue flowers in Sept./early Oct.	4 to 8	shiny deep green rosettes	
Aster spectabilis	Showy aster	1/2 to 2		C	D	S, PS	S	clusters of 1-inch blue single flowers in Sept./Oct.	5 to 9	stoloniferous	low, deep green foliage
Baptisia australis	False blue indigo	3 to 4	4			S, PS		indigo blue, pea-shaped flowers on 10-12" spikes	3 to 8	spreads by rhizomes; forms substantial bush	grey-green foliage leafs out early
Chrysopsis mariana	Maryland golden aster	2 to 3		PC	D	S		loose clusters of single 1" daisy flowers	4 to 7		silvery foliage
Cimicifuga racemosa	Black bugbane	6 to 8	4	PC	W	PS, SH		2'-tall open racemes in late summer	3 to 8	graceful, yet wiry form	

Figure 20. Herbaceous Plants

Scientific Name	Common Name	Height (feet)	Width (feet)	Native	Soil moisture	Exposure	Salt tolerance	Flowering characteristics	USDA zone	Habit	Notes
				P=Piedmont; C=Coastal Plain	W=wet; D=dry	S=full sun; PS=part shade; SH=full shade	S=salt tolerant				
Coreopsis lanceolata	Lanceleaf coreopsis	1 to 2	2			S		bright yellow 2 1/2 inch flowers in May to August	3 to 8		deadheading extends flowering season
Echinacea pallida	Pale coneflower	3 to 4	2		D	S		pale purple flower with reflexed petals	4 to 8		
Echinacea purpurea	Purple coneflower	2 to 3	2		D	S, PS		purple flower with large gold centers in July and August	3 to 8		
Eupatorium album	White thoroughwort	2 to 3		C	D						
Eupatorium capillifolium	Small dog-fennel thoroughwort	2 to 4									
Eupatorium coelestinum	Hardy ageratum	2 to 3	3			S, PS, SH		blue flowers in Sept./Oct.	6 to 10	spreads by rhizomes	attractive dark red stems
Eupatorium dubium	Joe-pye thoroughwort	2 to 4		PC	W			purple, rounded heads			
Eupatorium fistulosum	Hollow Joe-pye weed	6 to 10		PC	W	S, PS		pink-lavender, huge rounded heads	4 to 8	tall narrow in habit	
Eupatorium hyssopifolium	Hyssop-leaved thoroughwort	3 to 4		PC	D	S, PS		flat-topped clusters of white fringed flowers in fall	4 to 8		combines well with Schizachyrium
Eupatorium perfoliatum	Common boneset	3 to 4		PC	W	S, PS		white flat-topped flowers	4 to 8		
Eupatorium purpureum	Sweet Joe-pye weed	4 to 7		PC	W	S		large purple flower clusters	4 to 9		
Eupatorium rotundifolium	Roundleaf thoroughwort	2 to 3		PC	D			white flowers			
Eupatorium serotinum	Late-flowering thoroughwort	2 to 5		C				white flowers			
Euthamia graminifolia	Grassleaf goldenrod	1 to 3		PC	W			yellow flowers			
Euthamia tenuifolia	Tiny headed goldenrod	1 to 2		C	W			yellow flowers			
Gnaphalium obtusifolium	Fragrant cudweed	1 to 3		PC							
Helianthus angustifolius	Swamp sunflower	5 to 6	4	C	W	S		bright yellow flowers in late summer to fall that cover plant	6 to 9	tall but requiring no support in sun	
Helianthus decapetalus	Thin-leaved sunflower	4 to 6	3	P		S		single light yellow flowers in late summer	4 to 8		
Helianthus divaricatus	Woodland sunflower	4 to 6		P	D						
Heliopsis helianthoides	Ox-eye	4 to 6	4	PC	WD	S, PS		medium gold with brownish disc for 8 weeks peaking in July	3 to 9		self sowing
Hibiscus moscheutos	Swamp rosemallow	3 to 7	4	C	W	S, PS	S	rose pink or white 3-4" flowers in Aug./Sept.	5 to 9		
Liatris graminifolia	Grassleaf gayfeather	1 to 2		C	D				5 to 8		
Liatris spicata	Blazing star	2 to 3	2	PC	D	S, PS		upright purple spikes in July	3 to 9	upright in habit, dark green foliage	
Lobelia cardinalis	Cardinal flower	2 to 4	2	PC	W	PS, SH		brilliant red spikes in July./Aug.	2 to 9	hummingbirds attracted	
Lobelia siphilitica	Great Blue Lobelia	2 to 3	1 1/2	PC	W	S, PS		blue spikes in Aug./Sept.	4 to 8		

Figure 20. Herbaceous Plants

Scientific Name	Common Name	Height (feet)	Width (feet)	Native	Soil moisture	Exposure	Salt tolerance	Flowering characteristics	USDA zone	Habit	Notes
				P=Piedmont; C=Coastal Plain	W=wet; D=dry	S=full sun; PS=part shade; SH=full shade	S=salt tolerant				
Lupinus perennis	Purple lupine	2 to 3		C	D	S, PS		dense spires of deep lavender flowers in late spring to early summer	4 to 7	self sowing	
Mertensia virginica	Virginia bluebells	1 to 2	1	P	W	PS, SH		clusters of pink and blue tubular flowers in early spring	3 to 9	foliage dies back by midsummer	
Monarda clinopodia	Basil bee-balm	3 to 4									
Monarda didyma	Oswego-tea bee-balm	2 to 4	3	P	W	PS		bright scarlet flowers in whorled clusters	4 to 9	spreads by rhizomes	gets mildew
Monarda fistulosa	Wild bergamot	2 to 5	3	P	D	S, PS		pink to lavender purple in June/July	3 to 8		
Oenothera fruticosa	Shrubby sundrops	1 1/2 to 2	2	PC		S		birght yellow terminal clusters in June	4 to 8		
Oenothera speciosa	Showy evening primrose	1 to 2			D	S		white to pink in summer	5 to 8	stoloniferous	
Oenothera tetragona	Four-angled sundrop	1 to 3	1			S		yellow flowers in late spring	3 to 8		short lived
Penstemon digitalis	Tall white beard-tongue	3 to 4	2	PC	D	S, PS		white tubular flowers on branching stalks in early summer	3 to 8	upright in habit, dark green foliage	
Phlox carolina		2 to 3				S, PS		bright pink flowers	3 to 8		
Phlox divaricata	Blue phlox	1 to 1 1/2	1			PS, SH		fragrant blue panicles in spring	4 to 8	creeping rhizomes	
Phlox paniculata	Garden phlox	3 to 4	2			S, PS		large panicles of pink to purple flowers in summer	4 to 8		select mildew resistant cultivars
Phlox pilosa	Downy phlox	1 to 1 1/2		P							
Phlox stolonifera	Creeping phlox	1/2 to 1			D	PS, SH		loose panicles above low foliage in early spring	5 to 8	forms dense cover	
Porteranthus trifoliatus	Bowman's root	2 to 3		P	WD	S, PS		white flowers with red petioles	4 to 8	compact habit	mahogany stems with seed heads persisting into winter
Pycnanthemum virginianum	Virginia mountain-mint	3		P	W	S, PS		showy silver bracts surround small clusters of pale lavender flowers spotted with purple	4 to 8		
Rudbeckia fulgida	Orange coneflower	2 to 21/2		P	D	S, PS		bright gold with deep brown cone from mid July to October	5 to 7		
Rudbeckia hirta	Black-eyed Susan	2 to 3	2 to 3	PC	D	S		yellow ray, brown disc	5 to 7	re-seeding annual	
Rudbeckia laciniata	Cutleaf coneflower	5 to 8		PC	W	S, PS		bright yellow surround green cones	5 to 8		
Rudbeckia triloba	Brown-eyed Susan	2 to 3			WD	S,PS		hundreds of small deep gold flowers from midsummer to fall	5 to 7	self-seeder	
Saururus cernuus	Lizard's tail	1 1/1 to 4		PC	W	S		white flowers in slender spikes			
Sedum x 'Autumn Joy'		2 to 3			D	S		pink rounded flower heads turning to red	3 to 9		flower heads remain all winter
Sedum x 'Matrona'		2 to 3			D	S		pale pink flower heads	3 to 9	upright habit	strong shiny red stems
Senecio aureus	Golden ragwort	1		PC	W	S, PS, SH		golden daisy flowers in May	4 to 9	shiny green basal leaves	
Senna hebacarpa	Wild senna	2 to 6		PC		S, PS		yellow in July/Aug.		erect perennial	
Senna marilandica	Maryland senna	3 to 6		C	W	S, PS		yellow in July/Aug.		erect perennial	
Solidago caesia	Bluestem goldenrod	2 to 3		PC	D	S, PS, SH		arching wands of gold in Sept.	4 to 8		
Solidago juncea	Early goldenrod	1 to 4		PC	D	S		yellow flowers in June/July			

Figure 20. Herbaceous Plants

Scientific Name	Common Name	Height (feet)	Width (feet)	Native	Soil moisture	Exposure	Salt tolerance	Flowering characteristics	USDA zone	Habit	Notes
				P=Piedmont; C=Coastal Plain	W=wet; D=dry	S=full sun; PS=part shade; SH=full shade	S=salt tolerant				
Solidago nemoralis	Gray-stem goldenrod	1/2 to 3		PC	D	S		yellow flowers			
Solidago puberula	Downy goldenrod	1 to 3		C	D	S		yellow flowers			
Solidago rugosa	Rough-leaf goldenrod	2 to 5		PC	W	S		yellow flowers	4 to 9		
Solidago rugosa 'Fireworks'		3 to 4				S		radiating yellow flowers in Sept.	4 to 9	clump forming	
Solidago sempervirens	Seaside goldenrod	5 to 7		C			S	yellow flowers in Sept.	4 to 9	semi-evergreen rosettes	
Tephrosia virginiana	Goat's rue	1 to 2		PC	D	S		bicolored flowers (yellow and pink) in June/July			
Tradescantia virginiana	Virginia spiderwort	1 to 2	3	P		S, PS		blue to purple flowers in leaf axils for 8 weeks in summer	4 to 9		linear foliage declines after flowering
Typha angustifolia	Narrowleaf cattail	3 to 9		PC	W	S	S	deep brown spikes			
Typha latifolia	Broadleaf cattail	3 to 9		PC	W	S		deep brown spikes			
Verbena hastata	Blue vervain	4 to 6		PC	W	S		tall thin spikes of violet blue	3 to 9		short-lived but self sows
Vernonia glauca	Broadleaf ironweed	3 to 5		PC	D	S		deep purple loose upright flower clusters in Aug./Sept.	6 to 8		
Vernonia noveboracensis	New York ironweed	4 to 7		PC	W	S		deep purple	5 to 8		
Veronicastrum virginicum	Culver's root	4 to 5		PC	D	S, PS		spikes of white flowers in July/Aug.	5 to 8		

Figure 20. Herbaceous Plants – Ferns

Scientific Name	Common Name	Height (feet)	Width (feet)	Native	Soil moisture	Exposure	Salt tolerance	Flowering characteristics	USDA zone	Habit	Notes
				P=Piedmont; C=Coastal Plain	W=wet; D=dry	S=full sun; PS=part shade; SH=full shade	S=salt tolerant				
Athyrium filix-femina	Lady fern	2 to 3	1	PC	W	PS, SH			4 to 8		bright green new fronds appearing throughout season
Dennstaedtia punctilobula	Eastern hay-scented fern	1 to 1 1/2		PC	D	PS			4 to 8	occurs in large patches	yellowish green fronds
Dryopteris goldiana	Goldie's wood fern	3 to 4	1	PC	W	PS, SH			3 to 8	stands of broad arching fronds	golden green color
Dryopteris intermedia	Evergreen wood fern	1 to 1 1/2		PC	W						
Dryopteris marginalis	Marginal wood fern	1 to 1 1/2		PC	WD	PS, SH			3 to 8	tidy clump that doesn't spread	leathery evergreen leaves
Osmunda cinnamomea	Cinnamon fern	3 to 5		PC	W	PS, SH		coppery spikes of spore bearing fronds in Spring	3 to 7	clump forming with arching fronds	
Osmunda claytoniana	Interrupted fern	3 to 4		PC	D	PS, SH			3 to 7	arching growth	distinct interruptions in center of leaf
Osmunda regalis	Royal fern	4 to 6		PC	W	PS, SH			4 to 7		widely spaced oblong leaflets; purple stems
Polystichum acrostichoides	Christmas fern	1 to 1 1/2		PC	WD	PS, SH			4 to 8	neat, bouquet-like clusters	lustrous, nearly evergreen leaves
Thelypteris noveboracensis	New York fern	1 1/2		PC	W	S, PS			3 to 8	tufts of several leaves	yellow, green delicate fronds
Thelypteris palustris	Marsh fern	1 1/2		PC	W	S, PS			3 to 8	thin and delicate	leaves produced all summer so uncoiling fronds mixed with fully developed leaves

Figure 20. Herbaceous Plants – Grasses and Sedges

Scientific Name	Common Name	Height (feet)	Width (feet)	Native	Soil moisture	Exposure	Salt tolerance	Flowering characteristics	USDA zone	Habit	Notes
				P=Piedmont; C=Coastal Plain	W=wet; D=dry	S=full sun; PS=part shade; SH=full shade	S=salt tolerant				
Andropogon gerardii	Big bluestem	5 to 8		PC	D	S		not showy	3 to 8	upright, clump forming	rich orange and copper-red in fall
Andropogon glomeratus	Bushy beardgrass	2 to 4		PC	W	S	S	densely clustered bushy bracts in Sept. at top of stems	3 to 8	sturdy and upright	copper-orange in fall
Andropogon gyrans	Beardgrass	2 to 3		PC	D	S		inflorescences clustered at upper part of stem	5 to 8	clump forming	vivid orange in fall and winter
Andropogon ternarius	Silver bluestem	2		C	D	S		silvery inflorescences on slender stalks	6 to 8		glaucous blue green in summer and purple-bronze to copper red in fall
Andropogon virginicus	Broomsedge	2 to 4		PC	D	S		silver inflorescence	3 to 8	upright, clump forming	dark red-purple in fall to orange in winter
Bromus latiglumus	Riverbank brome			P	W						
Carex flaccosperma	Blue wood sedge	1/2 to 1			D	PS, SH		insignificant flowers	5 to 8	loose tussocks	glaucous blue-green leaves; evergreen
Carex pensylvanica	Pennsylvania sedge	1/2 to 1		PC	D	S, PS, SH		insignificant flowers	4 to 8	mowable groundcover	
Carex stricta	Tussock sedge	2 to 3		PC	W	S, PS			4 to 8	spreads by rhizomes	dense tussocks of straw-colored leaves at base with bright green new growth emerging from top
Chasmanthium latifolium	Wild-oat	3 to 4		PC	W	S, PS		dangling oatlike spikelets on nodding stems	5 to 8	upright in sun, lax in shade	spikelets salmon-buff through winter
Deschampsia flexuosa	Crinkled hairgrass	1 to 2		PC	D	S, PS		billowy inflorescences from bronze to pale greenish yellow	4 to 8	densely tufted	self sows manageably
Elymus canadensis	Canada wild rye	3 to 6			D	S		nodding and attractive into winter	3 to 8	clump forming	nurse grass for other prairie species
Eragrostis spectabilis	Purple love-grass	1 1/2 to 2		PC	D	S		reddish purple clouds just above ground level	5 to 8		self seeding
Festuca ovina	Sheep fescue	1/2 to 1				S			4 to 8		
Festuca rubra	Red fescue	1/2 to 1		PC	W	S, PS			4 to 8	spreads by rhizomes	low growing atabilizing turf
Glyceria obtusa	Blunt mannagrass	2 to 3		C	W	S		erect dense flower panicles turning deep brown by late summer	6 to 8	spreads by rhizomes	bright yellow-green foliage
Hystrix patula (Elymus hystrix)	Bottle-brush grass	3 to 4		PC	D	PS		delicate bottlebrush flowers	4 to 9	upright blades	
Juncus effusus	Smooth rush	3 to 4		PC	W	S, PS			5 to 9	upright and arching in a broad fan	dark forest green stems
Lolium perenne	Perennial ryegrass	1/2 to 2				S, PS			3 to 8	clump forming	mowed lawngrass
Muhlenbergia capillaris	Purple muhly grass	3		P	D	S		masses of delicate pink to pink-red flowers in Sept./Nov.	6 to 9	clump forming	
Panicum amarum	Coastal switchgrass	3 to 6		C	D	S		panicles sparsely flowered	4 to 9	creeping rhizomes	
Panicum amarum 'Dewey Blue'		3 to 6		C	D	S		panicles sparsely flowered	4 to 9	creeping rhizomes	good blue foliage
Panicum virgatum	Switchgrass	3 to 5		C	WD	S, PS		airy panicles	4 to 9	clump forming	blue glaucous leaves
Panicum virgatum 'Cloud Nine'		5 to 7				S, PS		airy panicles	4 to 9	tall and erect	
Panicum virgatum 'Dallas Blues'		5 to 7				S		large purple panicles	4 to 9	fuller plant	wide blue foliage
Panicum virgatum 'Haense Herms'	Red switchgrass	4			D	S		airy panicles	4 to 9	fountain-like	burgundy fall color
Panicum virgatum 'Northwind'		6			D	S		airy panicles	4 to 9	upright	steel blue wide leaf blades

Figure 20. Herbaceous Plant List – Grasses and Sedges

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Panicum virgatum 'Rehbraun'		3 to 4			D	S		airy panicles	4 to 9	fountain-like	burgundy fall color
Panicum virgatum 'Shenandoah'		2 to 4			D	S		red airy panicles	4 to 9		brightest red foliage
Panicum virgatum 'Squaw'		4			D	S		pink airy panicles	4 to 9		red to pink fall color
Saccharum brevibarbe	Bent-awn plume grass	10		C	W	S		brownish with purple tinge	7 to 9	clump forming and narrow upright	
Saccharum coarctatum	Bunched plume grass			C	D						
Saccharum giganteum	Giant plume grass	10		C	W	S		pink, red; silvery in winter	6 to 9	upright; spreads by rhizomes	dark red to bronze purple fall color
Schizachyrium littorale	Keeled little bluestem			C	D						
Schizachyrium scoparium	Little bluestem	2 to 4		PC	D	S		silvery when dry	3 to 8	clump forming	apricot winter color
Schizachyrium scoparium 'The Blues'		2 to 4			D	S		silvery when dry	3 to 8	clump forming	glaucous blue stems and purple fall color
Scirpus cyperinus	Woolgrass bulrush	5 to 6		PC	W	S		large woolly inflorescence in midsummer	4 to 8	erect stems form dense tussocks	
Sesleria caerulea	Blue moor grass	1/2 to 1				S		spike like panicles in April/May	4 to 8	basal mounds	2-toned blue green foliage
Sorghastrum nutans	Indiangrass	6 to 7		PC	D	S		tan flowers with yellow pollen sacs	4 to 8	more upright	green and blue forms
Sorghastrum nutans 'Sioux Blue'		5 to 6			D	S		tan flowers with yellow pollen sacs	4 to 8	arching habit	metallic blue leaves
Spartina alterniflora	Smooth saltmarsh cordgrass	7		C	W	S	S	stiff open panicles in July/Aug.	4 to 8		
Spartina pectinata	Fresh water cordgrass	7		C	W	S	S	stiff open panicles in July/Aug.	4 to 8	strong upright to arching stems	
Sporobolus heterolepis	Prairie dropseed	1 to 2			D	S, PS		delicate open panicles held high above foliage; fragrant	3 to 8	fine textured mound	pumpkin orange fall color
Tridens flavus	Purple-top	4		PC	WD	S, PS		open metalic red-purple panicles	4 to 8	upright and clump forming	bronze purple tints in fall