

Scientific Name	Common Name	Type	P,ersis	Soil Type	Water Needs	Light Needs	Mature Height	Mature Width	Plant Form	Foliage Color	Fall Color	Bloom Time	Bloom Color	Wildlife Value	Community Affiliation	Aesthetic Features/Other Comments
TREES																
<i>Abies balsamea</i>	Balsam fir	1	2	L C	M	PS S	30-50'	25'	Py	DG	DG			Bd, Ma	F, B	Does well in acidic soils, can appear sparse, aromatic
<i>Acer nigrum</i>	Maple, black	1	1	L	W M	F PS S	75-100'	50-75'	O	DG	Y-O, R	A-My	Y-G		F, Flp	Fall color; shade-tolerant, more heat and drought tolerance than <i>A. saccharum</i> , branches low to ground
<i>Acer rubrum</i>	Maple, red	1	1	S L C	W M	F PS S	75-100'	50-75'	O	MG	Y, O, R	A-My	R	D	F, S	Fall color; shade-tolerant; red color in spring; shallow roots; won't tolerate alkaline soils
<i>Acer saccharum</i>	Maple, sugar	1	1	S L	M	F PS S	75-100'	50-75'	O	DG	Y, O, R	A-My	Y-G		F	Stately habit; fall color; maple sugar; shade-tolerant; avoid compaction and alkaline soils, sensitive to salt - poor street tree
<i>Aesculus glabra</i>	Ohio buckeye	1	1	S L	M	F PS	35-50'	20-35'	I-O	DG	O	A-My	Y-G	Sq, Bd	F	Interesting compound leaves; fruit eaten by squirrels but possibly poisonous to livestock; flowers attract ruby-throated hummingbirds
<i>Asimina triloba</i>	Pawpaw	1	1	L	W M	F PS S	10-15'	15-20'	I	PG	Y	My-Jn	R-Pr	Ma, Bd	F, R	Attractive flower, tasty fruit, shade-tolerant; large leaves have tropical appearance; taproot
<i>Betula alleghaniensis</i>	Birch, yellow	1	1	S L C	W M	F PS	45-75'	30-35'	R-O	DG, YG	Y	A-My	Pr-Y		S, F	Peeling bark is bronze to reddish brown; somewhat resistant to bronze birch borer
<i>Betula papyrifera</i>	Birch, paper	1	1		M	F	40-70'	20-30'		DG	Y					Bright white peeling bark, greenish brown catkins, susceptible to bronze birch borers
<i>Carpinus carolinana</i>	Musclewood	1	1	L	W M	F PS	10-30'	20-30'	O	DG	Y, O-R	A-My	R-G	Yes (?)	F	"Muscular" bluish-gray bark; often multi-stemmed; cluster of fruit persists through fall and winter
<i>Carya cordiformis</i>	Hickory, bitternut	1	1	S L C	M	F PS	45-75'	75-100'	O	YG	YB	My-Jn	Y-G		F	Attractive buds; interesting bark texture; taproot; intolerant of prolonged high water

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<i>Carya glabra</i>	Hickory, pignut	1	1	S L C	M D	F P S	45-60'	35-50'	I-O		Y	My-Jn	Y-G		F	Slightly shaggy bark; taproot; tolerates dryer sites
<i>Carya ovata</i>	Hickory, shagbark	1	1	S L C	M D	F P S	55-65'	35-50'	I-O		Y-B	My-Jn	Y-G	Sq	F	Interesting shaggy bark; taproot; drought-tolerant; slow-growing; intolerant of prolonged high water
<i>Castanea dentata</i>	American chestnut	1	1				100'			DG	Y		Y			Species has nearly been exterminated by chestnut blight
<i>Celtis occidentalis</i>	Hackberry	1	1	S L	W M	F P S	35-55'	40-60'	R	PG-BG	Y	My	Y-G	Bd, Ma, Bf	R, Flp	Dark purple fruit; unusual ridged bark; very adaptable; susceptible to infection by mildew fungus and gall mite, which can lead to "witch's broom"
<i>Cercis canadensis</i>	Redbud	1	1	S L C	M	F P S	10-25'	25-35'	R	BG	Y	A-My	R-Pr	Bd, Bf	F	Striking flowers in spring before leaves; fruit is a pod; heart shaped leaves; salt sensitive
<i>Cornus florida</i>	Dogwood, flowering	1	1	S L C	M D	F P S S	15-30'	20-30'	H-O	DG	R, O, P	My-Jn	W			Attractive bracts surround inconspicuous flowers; scarlet fruit; fall color; shade-tolerant; affected by fungal disease anthracnose; needs acidic soil
<i>Crataegus crus-galli</i>	Hawthorn, cockspur	1	1	S L C	M D	F P S	20-30'	20-35'	R	DG	P	My-Jn	W	Bd	O	Profuse flowers; bright red winter fruit; thorns; tolerates urban conditions; susceptible to hawthorn rust
<i>Crataegus mollis</i>	Hawthorn, downy	1	1	S L C	M D	F P S	20-30'	20-35'	O			My-Jn	W	Bd	O	Profuse fragrant flowers, blossoms earlier than <i>Crataegus crus-galli</i> ; winter fruit; thorns; susceptible to hawthorn rust
<i>Fagus grandifolia</i>	Beech, American	1	1	L	M	F P S S	55-80'	70-120'	O	DG	Y	A-My	Y-G	Ma	F	Smooth bark; long-lived; slow-growing; shade-tolerant; shallow roots, does not do well with a lot of foot traffic; susceptible to bleeding canker and bark disease
<i>Fraxinus americana</i>	Ash, white	1	1	L	M	F P S	75-100'	50-75'	I-O	G	Y, P	My	Pr		F	Fall color, susceptible to Emerald Ash Borer

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<i>Fraxinus pennsylvanica</i>	Ash, red or green	1	1	S L	W M D F PS		35-50'	50-80'	I-O	G-YG	Y	My	Pr		F	Very adaptable; tolerates salt and drought, susceptible to Emerald Ash Borer
<i>Fraxinus quadrangulata</i>	Ash, blue	1	1	S L	M	F PS	35-45'	35-50'	I	YG	Y	A	Pr		F	Square twigs; does not tolerate acidic soils, susceptible to Emerald Ash Borer
<i>Gleditsia triacanthos</i>	Honey locust	1	1	L	W,M,D S		60-85'		R	DG	Y	My-Jn	G-Y	Ma		Long pods litter ground and make undesirable for street plantings. Fast growing and good growth on variety of soils.
<i>Gymnocladus dioica</i>	Kentucky coffee tree	1	1	S-L	M	F	60-75'	40-50'	I-O	DG	Y	My-Jn	G-W		FLP,R,F	a tough, messy tree with handsome bark, the yellowish rachises have persists until Feb.
<i>Juglans nigra</i>	Walnut, black	1	1	S L	M	F PS	55-80'	50-75'	O-I	YG	Y	My	Y-G	Sq, Bf	F, Flp	Branches high off ground; taproot; inhibits the growth of some plant families (Ericaceae, Pinaceae, Solanaceae); food source for Luna moth caterpillar
<i>Juniperus virginiana</i>	Cedar, eastern red-	1	2	S L	M D	F PS	30-45'	8-20'	C-Py	MG		A-My	R-Pr	Bd, Ma		Gray-blue fruit; winter interest; good windbreak; alternate host for Cedar Apple Rust, do not plant near apples
<i>Liriodendron tulipifera</i>	Tuliptree	1	1	S L	M	F PS	45-90'	35-50'	O	G	Y	My-Jn	Y-G		F	Showy fragrant flowers and cone shaped fruits; somewhat weak-wooded and susceptible to breakage; aphids common, as well as soil fungus and canker diseases
<i>Malus coronaria</i>	Crab apple, wild	1	1	S L C	M D	F PS	10-25'	8-15'	I-R	BG		My	W-P			Fragrant attractive flower; pale green-yellow fruit; northern extent of range; very susceptible to apple rust
<i>Morus rubra</i>	Red mulberry	1	1		M-D	F-Sh	70'		C	MG	Y	A-My	G	Bd & Ma	Flp	red berries
<i>Nyssa sylvatica</i>	Blackgum	1	1	L	W M	F PS	30-45'	20-30'	Py	DG	Y, O, Sc	My-Jn	G-W	Bd, B	F	Taproot; fall color; northern extent of range, requires shelter from wind; intolerant of pollution; prefers slightly acidic conditions

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<i>Ostrya virginiana</i>	Ironwood	1	1	S L	M D	F P S S	25-40'	15-25'	Py	DG		A-My	R-Br	Bd	F	Interesting bark texture; taproot; hard wood; shade-tolerant; hop-like fruit; does not tolerate salt or compacted soil; sensitive to salt
<i>Picea glauca</i>	White spruce	1	2	S - C	W - D	Sh - F	40 - 60'	10 - 20'	Conical	BG	BG	na	na		F	
<i>Pinus strobus</i>	White pine	1	2	S - C	W - D	PSh - F	80 - 110'	20 - 40'	Py	BG	BG	na	na		F	
<i>Platanus occidentalis</i>	Sycamore	1	1	S - C		F	75' - 90'	60' - 70'		MG	YB	May	R		F	
<i>Populus deltoides</i>	Eastern cottonwood	1	1	all	w	f	190		o	pg, g, dg	y	na	y	mammal	f, flp, w	
<i>Populus grandidentata</i>	Big-toothed aspen	1	1	s, sl, sc	w	f	65		o	pg, g, dg	y	na	y	mammal	f	fast growing
<i>Populus tremuloides</i>	Aspen, trembling	1	1	S L C	M D	F P S	35-65'	20-30'	C		Y	Mr-A	S	D, Bd	S, F	Trembling leaves; smooth gray bark; fall color; clonal, suckers can be problematic; does not tolerate flooding.
<i>Prunus serotina</i>	Cherry, black	1	1	L	M D	F P S	35-60'	30-40'	C-O	DG	Y, R	My-Jn	W	Bd		Attractive flowers; edible fruit; rough textured bark; taproot when young; leaves and twigs poisonous to livestock; susceptible to black knot
<i>Quercus alba</i>	Oak, white	1	1	S L C	M D	F P S	55-75'	70-100'	S-R	BG	R	My-Jn	Y-G		F	Form; taproot; drought-tolerant; slow-growing
<i>Quercus bicolor</i>	Oak, swamp white	1	1	L C	W M D	F P S	45-60'	50-60'	O	YG-DG	YB	My-Jn	Y-G	Ma	F	very adaptable; slow-growing

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<i>Quercus imbricaria</i>	Oak, shingle	1	1	L	W M	F PS	50-90'	60-70'	Py	YG-DG	YB-R	My	Y-G		F	Aesthetic Features/Other Comments Holds leaves into winter
<i>Quercus macrocarpa</i>	Oak, bur	1	1	S L C	M D	F PS	55-75'	70-80'	R	YG-G	YB	My-Jn	Y-G	mammal		Taproot; long-lived; slow-growing; drought-tolerant
<i>Quercus muehlenbergii</i>	Oak, chinquapin	1	1	S L	M D	F PS	35-45'	50-90'	I-O			My-Jn	Y-G	Ma		Acorns; attractive foliage; sensitive to soil compaction and foot traffic
<i>Quercus rubra</i>	Oak, red	1	1	S L	M	F PS	60-90'	60-75'	R	DG	R	My-Jn	Y		F	Fall color; relatively fast-growing
<i>Quercus velutina</i>	Oak, black	1	1	L	M D	F PS	55-70'	25-50'	O	DG	Y-B	My	Y-G	Ma	O	Acorns; taproot; drought-tolerant; very dark bark
<i>Salix nigra</i>	Black willow	1	1	C, L, S	6.0- 8.	M, W	F, SP, PSh, Sh	25-50'	20-35'	F	G	YG	Mr-A	Y,G	wildlife value, can tolerate flooding	Streambank stabilizer, roots easily from cuttings
<i>Sassafras albidum</i>	Sassafras	1	1	S L C	M D	F PS	20-45'	25-40'	Py-I	MG	Y, O, R, P	My	Y	Bd	F, O	Aromatic; leaves have multiple forms; clonal; taproot
<i>Sorbus americana</i>	American mountain ash	1	1	S,L,C	M	PSh	12-36'	20-40'	R	DG	Y	MY,JN	W	bird	O,F	Showy white flowers, clusters of red persistent fruit
<i>Thuja occidentalis</i>	Cedar, northern white-	1	2	S L	W M	F PS	30-45'	20-30'	Py	YG	Y, P, B	A-My	R-Br	Bd, D	O	Fine textured foliage; twisting trunk and exposed roots; good hedge or windbreak.
<i>Tilia americana</i>	Basswood	1	1	L	M	F PS S	55-70'	30-60'	O	DG		Jn-Jl	Y	B	F	Flower clusters and nut hang from leafy bract; red buds in winter; shade-tolerant; multiple trunks

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<i>Tsuga canadensis</i>	Hemlock, eastern	1	2	S L C	W M	F P S S	60-90'	25-35'	Py	DG		My-Jn	Y		F	Fine-textured foliage; slow-growing; shade-tolerant; needs acidic soils and cool conditions
SHRUBS																
<i>Alnus rugosa</i>	Alder, speckled	2	1	S L C	W M	F P S	15-25'	12-20'	O	LG-DG	Y, R	Mr-A	R		Flp, F, M	Early spring flowers; interesting fruit persists through winter; nitrogen fixer
<i>Amelanchier laevis</i>	Smooth juneberry, Allegheny serviceberry	2	1	S L	M D	F P S S	25-30'	15-25'		G	R-O	A	W	Bd		Deep purple-red fruits can be used for jams, jellies, pies, wines
<i>Amelanchier canadensis</i>	Shadblow	2	1	M D		F P S S	15-20'	10-15'			Y, O-R		W	Bd		Purplish-black fruits; susceptible to "fireblight" bacteria, smooth gray bark provides winter interest
<i>Amorpha canescens</i>	Leadplant	2	1	S L	D	F	1'6"-4'	2-3'				Jn-Ag	Pr	D	O, P, Sv	Sensitive to disturbance - presence indicates that prairie has been uncultivated, requires nitrogen fixing bacterium, taproot
<i>Arctostaphylos uva-ursi</i>	Bearberry	2	1	S	D	PS F	6-12"		P	DG	Pr	A-My	W, P	bird	D	Bright red berries in fall, persist through winter to spring, best in acidic soils
<i>Aronia prunifolia</i>	Chokeberry, black	2	1	S L C	M	F P S	3-6'	3-6'	R	DG	Sc	A-My	W-P		S, O	Attractive flowers; attractive fruit; fall color; suckers
<i>Betula pumila</i>	Birch, bog	2	1	L C	W M	F P S	12-20'	12-20'	M				A	Y-G		Fruit persists through winter
<i>Ceanothus americanus</i>	New Jersey Tea	2	1	S L	M D	F P S	2-3'	2-3'	M	DG	Y	Jn-Jl	W		P	Attractive flowers
<i>Cephalanthus occidentalis</i>	Buttonbush	2	1	S L C	W M	F P S	6-15'	12-20'	R	DG	YG	Jl-Ag	W	Bf	S, F, R, W	summer flowers attract butterflies; interesting fruit persists throughout the winter; leaves emerge late

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<i>Chamaedaphne calyculata</i>	Leather leaf	2	2	S	M W		1-4'					Ap-My	W		B	Rhizomatic, needs acidic soil
<i>Cimicifuga racemosa</i>	Black snakeroot	2	1		M	PS	5-6'	3-4'					W			Decorative seedhead
<i>Comptonia peregrina</i>	Sweet fern	2	1	S			1-4'	2-3'		DG				Bd		Not a true fern, but has fern-like fragrant leaves, dried foliage persists through winter, requires acidic soil
<i>Cornus alternifolia</i>	Dogwood, alternat-leaved	2	1	L C	M	F PS	15-25'	30-40'	S-H	DG	R	My-Jn	W	Bd	F	Attractive fruit; fragrant flowers
<i>Cornus amomum</i>	Dogwood, silky	2	1	S L C	W M	F PS	3-9'	6-10'	R			My-Jn	W	Bd	O, S, M	Attractive fruit and form; purple branch color
<i>Cornus foemina</i>	Dogwood, gray	2	1	S L C	M D	F PS	6-12'	6-12'	S-H	GrG	P-M	My-Jn	W	Bd	S, O, F	Pink stems; brightly colored fruit; clonal; more bird species use for nesting than any other native shrub species
<i>Cornus rugosa</i>	Dogwood, roundleaf	2	1	S L	M	F PS	3-9'	6-12'	O	DG	M	Jn	W	Bd	F	Showy clusters of flowers
<i>Cornus stolonifera</i>	Dogwood, red-osier	2	1	S L C	W M	F PS	3-9'	10'	M	DG	R, O	Jn	W		W, S, O	Red stems; effective bank cover
<i>Corylus americana</i>	Hazlenut, American	2	1	S L C	M D	F PS	8-10'	5-8'	O	YG	Y, P, R	Mr-A	Br-R	Ma		Male catkins; interesting husked fruit; fall color; clonal
<i>Diervilla lonicera</i>	Bush honeysuckle	2	1		D M	PS F	2-3'	2-3'		G	O-R	Jn-Jl	Y			Fruit is a dried capsule, plants send up stems from underground rhizomes

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<i>Dirca palustris</i>	Leatherwood	2	1	L	M	F PS	3-6'	3-6'	R	GrG	Y	A-My	Y		F	Aesthetic Features/Other Comments leathery branches are very flexible; early bloomer; fall color
<i>Epigaea repens</i>	Trailing arbutus	2	1	S						G		Ap-My	P			Requires acidic soils, can be difficult to grow
<i>Euonymus obtata</i>	Strawberry-bush, running	2	1	S L	M	F PS S	1-2'	3'	P	DG	R	A-My	G-Y		F	Unusual foliage; ground cover; tolerates full shade; pink fruit in fall
<i>Hamamelis virginia</i>	Witch-hazel	2	1	L	M D	F PS	15-25'	15-25'	O	G	Y	O-N	Y		F	Flowers in fall; fall color; fruit persists for 1 full year
<i>Hibiscus moscheutos</i>	Swamp rose mallow	2		L	M W	S	3-4'	3'	C	MG		Jl-Ag	W, P		W	Good accent plant, alongside ponds/raingardens. Dried seed capsuls persist in winter
<i>Hypericum prolificum</i>	St. John's-wort, shrubby	2	1	S L C	W M	F PS	3'	3-6'	M	DG		Jn-Ag	Y		W, S, F	Flowers throughout most of the summer
<i>Ilex verticillata</i>	Holly, Michigan	2	1	L	W M	F PS	6-12'	6-12'	O	DG		My-Jn	W	Bd	W, B, F	Clonal; need male and female plants to set bright red fruit that persists into the winter
<i>Juniperus communis</i>	Juniper, ground	2	2	S L	M D	F PS	3-6'	8-12'	P	BG	P	My-Jn	Y-G	Yes (?)		Berry-like cones; evergreen (this is var. <i>depressa</i>)
<i>Kalmia angustifolium</i>	Sheep laurel	2	1		W,M,D		1-3'					Jn-Jl	P		F	Hardy grass for difficult areas. May be difficult to locate in nurseries.
<i>Kalmia polifolia</i>	Bog laurel	2		* Peat	M	F	1'	4-8"	C	DG		My,Jn	P	Bf	B, W	Wetland Status: FACW,OBL

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<i>Ledum groenlandicum</i>	Labrador tea	2	2	S L C	MW	F PSh S	4.5'	4.5'	P	GrG		My-Jn	W	Attracting	S	Small white flowers and leaves are very aromatic. A good bee plant. Plants benefit from deadheading.
<i>Lindera benzoin</i>	Spicebush	2	1	S L	W M	F PS	6-15'	6-12'	O	LG	Y	Mr-My	Y	Bf, Bd	F, W	Fragrant flowers and leaves when crushed; bright red fruits
<i>Linnaea borealis</i>	Twinflower	2	2	S	D,M	PSh	1/4-1/2			G		Jn, JI, A	W, P	B	W, B	Pair of nodding, white or pinkish, bellshaped flowers, a fire avoider, killed even by low-intensity fire, rhizome division, requires a moist, high-humus, acidic, peaty soil in partial shade
<i>Lonicera involucrata</i>	Black twinberry	2	1		W, M	F, PSh	6-10	10		G		Jn	Y		O, F	Very showy large, glossy, nearly black berries set off by deep red bracts
<i>Penstemon digitalis</i>	Beard-tongue, foxglove	2	1	S L	M D	F	3-4'					Jn-JI	W	Bd, Bf	P, Sv	Cut flowers; a hummingbird plant
<i>Physocarpus opulifolius</i>	Ninebark	2	1	L	W M	F PS	5-10'	6-10'	M	Y, Pr		Jn-JI	W-P		R	Attractive flowers; peeling bark; papery fruit capsules persist through winter
<i>Potentilla fruticosa</i>	Cinquefoil, shrubby	2	1	S L	W M D	F PS	3'	3'	M	G-DG	Y-B	Jn-S	Y		O	Season long flowers
<i>Prunus americana</i>	Plum, American wild	2	1	S L	M	F PS	18-24'	20-35'	O	LG-DG	Y	A-My	W-P	Bd	O	Yellow or red fruit; fragrant flowers; susceptible to black knot disease
<i>Prunus virginiana</i>	Chokecherry	2	1	L	M D	F PS	12-30'	18-25'	O-R	G	Y-O	My-Jn	W	Bd		Dark purple fruit for animals; clonal
<i>Ptelea trifoliata</i>	Hop-tree; wafer ash	2	2	S L	M D	F PS	20'	15-20'	I	G	Y	Jn	Y-G	Yes (?)	P, D	Fruit is winged samara, fruits persist into winter

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<i>Rhus aromatica</i>	Sumac, fragrant	2	1	S L	M D	F P S	6-10'	12-20'	M		R-P	A-My	Br-Y	all types	F, O	Red fruit; fall color; fragrant leaves; aggressively clonal
<i>Rhus copallina</i>	Sumac, winged	2	1	S L C	M D	F P S	20-25'	20-25'	O	DG	Sc	Jn-Jl	G-Y		O	Fall color; clonal
<i>Ribes cynosbati</i>	Gooseberry, prickly	2	1	L	M D	F P S	3-6'	3-6'	O	MG	O, R, P	A-Jn	G-Y		F	Tasty fruit; fall color; delicate fragrance; prickles; alternate host to eastern white pine blister rust
<i>Rosa carolina</i>	Rose, Carolina	2	1	S L C	M	F P S	3'	6-12'	M	LG-MG	Y-O	Jn-Jl	P		O, F, D	large flowers; prickles on stems; red fruit in fall and winter
<i>Rosa palustris</i>	Rose, swamp	2	1	L	W M	F P S	4-5'	4-6'	M			Jn-Ag	P		W, B, A, S	Hips; prickles on stem
<i>Rosa setigera</i>	Rose, prairie	2	1	S L C	M D	F P S	6-12'	12-20'	M			Jl-Ag	P		F, S	Large flowers; fruit; spreading form
<i>Salix discolor</i>	Willow, pussy	2	1	S L C	W M	F P S	20-25'	7-9'	C	LG-MG	YG	Mr	S		W, A	Silvery gray catkin
<i>Sambucus canadensis</i>	Elderberry, American	2	1	S L C	W M	F P S	5-12'	6-12'	O			Jn-Jl	W	Bd	M, F	Wine-making fruit, vegetative parts of the plant are poisonous
<i>Sambucus racemosa</i>	Elder, redberried	2	1	S L	M	F P S	6-12'	12-15'	O	MG		A-My	W	Bd		Red fruit; fragrant flowers; vegetative parts of the plant are poisonous
<i>Spirea alba</i>	Meadowsweet	2	1	S L C	W M	F P S	3-6'	3-6'	M	BG		Jl-Ag	W		S, M	Long spike of flowers

Scientific Name	Common Name	Type	Persis	Soil Type	Water Needs	Light Needs	Mature Height	Mature Width	Plant Form	Foliage Color	Fall Color	Bloom Time	Bloom Color	Wildlife Value	Community Affiliation	Aesthetic Features/Other Comments
<i>Spirea tomentosa</i>	Steeplebush	2	1	L	W M	F PS	2-4'	3-6'	M			Jl-S	P		B	Hairy leaves; plant in large groups
<i>Staphylea trifolia</i>	Bladdernut, american	2	1	L	W M	F PS	12-18'	6-12'	O	PG	Y	A-My	W		F	Attractive flowers; unusual fruit resembles Chinese lantern
<i>Vaccinium angustifolium</i>	Blueberry, low sweet	2	1	S L	M D	F PS	1-2'	2'	H-O	DG-BG	R	My-Jn	W-R		F	Edible berries; fall color; needs acidic soil
<i>Vaccinium corymbosum</i>	Blueberry, highbush	2	1	L	W M	F PS	6-12'	8-12'	R	DG-BG	R, Y	My-Jn	W-P		S, F, M	Edible berries; needs acidic soil
<i>Vaccinium macrocarpon</i>	Cranberry, large	2	1	L C	W	F PS	1'	3'	P			Jn-Jl	W-P		B	Mat-forming, red berries
<i>Viburnum acerifolium</i>	Viburnum, mapleleaf	2	1	L C	M D	F PS S	3-6'	3-6'	O		Cr, R, Pr	Jl	W		F	Black fruit; fall color
<i>Viburnum lentago</i>	Nannyberry	2	1	L C	W M	F PS	15-18'	15-18'	O	G	O-R, P	My-Jn	W	Bd	F, M	Fruits ripen from yellow to black
<i>Viburnum rafinesquianum</i>	Arrow-wood, downy	2	1	S L	M D	F PS	3-6'	3-6'	O	MG	M	My-Jn	W		F	Fruit persists through winter
<i>Viburnum trilobum</i>	Highbush cranberry	2	2		W	F Ps	12'		S	G		My-Jn	W	all types	S	handsome clusters of flowers & scarlet fruits
<i>Zanthoxylum americanum</i>	Prickly-ash	2	1	L	M	F PS	.75-1.5'	.75-1.5'	I	G		A-My	G-Y	Bf	O	stout prickles; larval food of Giant Swallowtail butterfly; citrus smell when crushed

PERENNIALS

Scientific Name	Common Name	Type	P,etsis	Soil Type	Water Needs	Light Needs	Mature Height	Mature Width	Plant Form	Foliage Color	Fall Color	Bloom Time	Bloom Color	Wildlife Value	Community Affiliation	Aesthetic Features/Other Comments
<i>Acorus americanus</i>	Sweet flag	3	1		M	F PS	3'	3'					Y-G		O	Crushed leaves give off cinnamon aroma, spreads by rhizomes
<i>Actaea pachypoda</i>	Baneberry, white	3	1	L	M	PS S	1.5-2.5'					My-Jn	W		F	White berries; also called doll's eyes; berries and rootstock are poisonous
<i>Actaea rubra</i>	Red Baneberry	3	1	L C	M	PS S	1.5-2.5'			DG		A-My	W	Bd	F	Red berries; also called doll's eyes; berries and rootstock are poisonous to humans
<i>Agastache nepetoides</i>	Yellow giant hyssop	3	1			F PS	4-6'					JI-S	Y-G	B, Bf		
<i>Allium cernuum</i>	Onion, nodding wild	3	1	L C	M D	F PS	1-1.5'					JI-Ag	Pr	Bf	F, P	Edible flowers with mild onion flavor; cuttings; papery dried seedheads in autumn; leaves are grass-like, won't compete will with native grasses
<i>Allium tricoccum</i>	Leek, wild	3	1	L	M	PS	1-1.5'					Jn-JI	W	Bd, Bf	F	Edible; strong onion odor
<i>Anaphalis margaritacea</i>	Pearly everlasting	3	1		D	F	1-3'			Gr		JI-S	W	Bf		Stoloniferous - can become invasive in some situations
<i>Anemone canadensis</i>	Anemone, Canada	3	1	L C	M	F PS	1-2.5'			DG		My-Ag	W		F, P	Tends to spread; tolerates occasional flooding
<i>Anemone quinquefolia</i>	Anemone, wood	3	1	L	M	PS S	6"					A-My	W		F	Good groundcover
<i>Anemone virginiana</i>	Thimbleweed	3	1	S L C	M D	F PS	1-2'					My-JI	W			Decorative seedhead; drought-tolerant

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<i>Anemonella thalictroides</i>	Rue-anemone	3	1	L	M D	PS S	6"					A-My	W		F	Aesthetic Features/Other Comments Dies back by June
<i>Angelica atropurpurea</i>	Angelica	3	1		M		4-6'					Jn-Jl	W			Purple stems
<i>Antennaria parlinii</i>	Smooth pussytoes	3	1		D	PS F	3-16"			Si		A-Jn	W		O	Wooly stems, plants spread by runners
<i>Aquilegia canadensis</i>	Columbine, wild	3	1	L	M D	PS S	1-3'			BG		My	Y-R-w	Bd, Bf	F, Sv	Cut flower; excellent hummingbird plant; reseeds readily
<i>Aralia racemosa</i>	American spikenard	3	1		M		2-6'					My-Jl	G		F	Deep purple berries in late summer
<i>Arisaema triphyllum</i>	Jack-in-the-pulpit	3	1	L C	M	PS S	1.5-3'					A-My	G		F	Fruit is bright scarlet; tolerates occasional flooding
<i>Asarum canadense</i>	Ginger, wild	3	1	L	M D	PS S	10"			DG		My	Pr		F	Attractive leaves; unusual flowers; good groundcover
<i>Asclepias incarnata</i>	Milkweed, swamp	3	1		W M	F PS	4-5'					Jl-Ag	P-Pr			Food source for many wildlife species; flood-tolerant; may need staking
<i>Asclepias syriaca</i>	Milkweed, common	3	1	S L	M D	F PS	3-6'					Jn-Ag	P-Ro	Bf		Food source for many butterflies; likes sandy soil; spreads rapidly
<i>Asclepias tuberosa</i>	Milkweed, butterfly	3	1	S L	M D	F	1-3'					Jn-Jl	O-Y	Bd, Bf		Interesting seedpod; drought-tolerant; host for Monarch

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<i>Aster laevis</i>	Aster, smooth	3	1	L C	M D	F P S	1-3'					Ag-O	B-L	Bd, Bf	F	Drought tolerant; prefers well-drained soils
<i>Aster macrophyllus</i>	Aster, big-leaved	3	1	L	M	F P S	2-4'					Ag-S	P-B-W	Bd, Bf	F	Heart-shaped leaves; cut flowers
<i>Aster novae-angliae</i>	Aster, New England	3	1	L	W M	F P S	1-6'					Jl-O	Pr-b-Rc	Bd, Bf, B		Showy flower; tolerates occasional flooding
<i>Astragalus canadensis</i>	Canada milk vetch	3	1			PS F	1-4'					Jl-Ag	Cr	Bd		
<i>Baptista lactea</i>	White wild indigo	3	1		M D	PS F	3-5'			BG			W		F, P, Sv	Gray or brown seed pods rattle in the wind when they are ripe
<i>Boltonia asteroides var. recognita</i>	Boltonia, false aster	3	1		W M D F		3-5'			GrG		Jl-S	W		P, W	May need to be staked or pinched back when it gets tall
<i>Cacalia atriplicifolia</i>	Pale Indian plantain	3	1		M D	PS F	5-10'			BG			W		P, D	
<i>Calla palustris</i>	Wild calla	3	1		W	F	12"			DG		My-Ag	W		W, B, A	
<i>Caltha palustris</i>	Marsh marigold	3	1	L	W M	F P S	1-1.5'			G		A-My	Y		F, W, A	Prefers deep, rich organic soils, leaves are poisonous
<i>Camassia scilloides</i>	Wild hyacinth	3	1		W M	PS F	12-16"						B-W		R	Plants go dormant in summers

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<i>Campanula rotundifolia</i>	Harebell, bluebell	3	1	S	D M	F	6-18"					Jn-S	B-Pr			
<i>Cassia hebecarpa</i>	Wild senna	3	1	L C	M		3-7'						Y			Long thick bean pods offer fall and winter interest
<i>Caulophyllum thalictroides</i>	Blue cohosh	3	1		M	S PS	1-3'			BG		My	Y-G, Pr	F		Stems have purplish tint in Spring, midnight-blue berry-like fruit borne in a cluster follows flowers
<i>Chelone glabra</i>	Turtlehead	3	1	L	W M	F PS	1-6'					Jl-S	W	Bd, Bf, B	F	Tolerates occasional flooding
<i>Claytonia virginica</i>	Spring beauty	3	1	L C	M	PS S	2-4"					A	W-P	Ma	F	Dies back in late May
<i>Clintonia borealis</i>	Bluebead lily	3	1		M	S PS	6-15"					My-Jn	Y			Prefers cool sites
<i>Coreopsis lanceolata</i>	Sand coreopsis, tickseed	3	1	S L		PS F	1-2'						Y	Bf	D, O	
<i>Cornus canadensis</i>	Bunchberry	3	2		M	PS	4-8"					My-Jn	Y		F, B	Cluster of bright orange-red berries appear in summer, forms extensive colonies, requires acidic soil
<i>Corydalis sempervirens</i>	Pink corydalis	3	1	S	D	PS	18-30"			BG		My-S	P, Y			Reseeding biennial
<i>Cypripedium calceolus var. pubescens</i>	Large yellow lady's slipper	3	1		M	PS	12-24"					My	Y			

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<i>Dalea purpurea</i>	Purple prairie clover	3	1		D M	F	2-3'					Jn-Jl	Ro-Pr	B, Bf	P, Sv	Seedheads are attractive in winter
<i>Dentaria laciniata</i>	Toothwort, cut-leaved	3	1	L	M	PS S	6-8"			DG		A-My	W	Bf	F	Dies back by June; host for West Virginia White
<i>Desmodium canadense</i>	Canada tick trefoil	3	1	L C	D M	PS F	2-4'					Jl-S	Pr	Bd		Somewhat aggressive, a member of the legume family and improves the soil by adding nitrogen
<i>Dicentra canadensis</i>	Squirrel-corn	3	1	L	M	PS	4-6"					A-My	W		F	Dies back by June; poisonous
<i>Dicentra cucullaria</i>	Dutchman's breeches	3	1	L	M	PS S	6-8"			BG		A	W		F	Very unusual flower; attractive fern-like leaves; entire plant dies back in June; roots are toxic
<i>Dodecatheon meadia</i>	Shooting star	3	1		M	PS F	10-12"			G		Ap-Jn	W-P			White to pink flowers have strongly reflexed petals with a yellow and red cone-like center giving the appearance of shooting stars, foliage has redish tint
<i>Echinacea purpurea</i>	Purple coneflower	3	1		D M	PS F							Ro-P	butterfly		
<i>Echinacea purpurea</i>	Purple coneflower	3	1		D M	PS F							Ro-P	Bf		
<i>Epilobium angustifolium</i>	Fireweed	3	1		D M	F	3-6'					Jl-Ag	P	Bd, B		Grows a year or two after fire, forming a ground cover, can be aggressive in a landscape situation
<i>Equisetum hyemale</i>	Tall scouring rush	3	2		M W	PS	20-36"									Unbranched, jointed stems, can be invasive

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<i>Erigeron pulchellus</i>	Robin's plantain	3	1				18"						P, Pr			Flowers are aster-like, spreads by runners
<i>Eryngium yuccifolium</i>	Rattlesnake master	3	1	S	M	F	2-3'			BG			G-W		P	
<i>Erythronium americanum</i>	Trout-lily, yellow	3	1	S L	M	PS S	6-8"			GrG, B-R		A-My	Y		F	Dies back by June, also called adder's tongue
<i>Eupatorium maculatum</i>	Joe-pye weed	3	1	L	W M	F PS	2-6'					Jl-S	P-Pr	Bf	P	Fragrant; tolerates occasional flooding
<i>Eupatorium perfoliatum</i>	Boneset	3	1	L	W M	F PS	1.5-5'					Jl-S	W	Bf, B		Tolerates occasional flooding
<i>Eupatorium purpureum</i>	Sweet Joe-pye weed, purple Joe-pye weed	3	1		D M	PS F	3-6'						Ro-Pr	Bf		Stems are often a deep purple color, seedheads are decorative in winter
<i>Euphorbia corollata</i>	Flowering spurge	3	1	C	D	PS F	2-4'			PG	O-Y	Jn-S	W		P	looks like sturdy baby's breath, milky sap (latex), aggressive
<i>Filipendula rubra</i>	Queen-of-the-prairie	3	1		M	PS F	3-7'						P			Pink flower looks like cotton candy, rhizomes spread far, will not do well in hot conditions
<i>Fragaria virginiana</i>	Strawberry, wild	3	1	L	M D	F PS	4-6"				F	My	W	Bd		Edible fruit; ground cover; prefers well-drained soil
<i>Galium boreale</i>	Northern bedstraw	3	1	SL	M/D	PSH	2-3ft		P	G	G	My, Jn	white		woodland	attractive, somewhat vigorous native wild flower

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<i>Gentiana andrewsii</i>	Bottle gentian	3	1		L	full sun, part shade	1 to 2 feet	1 to 1.5 feet	C	G	--	Jl - Ag	B, dk	--	B, W, R	deep blue flowers which never open
<i>Geranium maculatum</i>	Geranium, wild	3	1	L	M D	PS S	1-2'			DG	R	My-Jn	P-L	Bd	F	Attractive fall color, leaves and fruit
<i>Geum triflorum</i>	Prairie smoke	3	1	SCL	M	Psh	0.5 to 1.5 feet	0.5 to 1 foot	C	G	M	Jl - Ag	P, dk		P, D.	Threatened in MI.
<i>Goodyera pubescens</i>	Downy rattlesnake plantain	3	1	S, SL	dry or	F, PS	1 - 1.5 feet	.5 feet	C	O	--	Jl - Ag	W		F	- stalk with basal leaves.
<i>Helianthus strumosus</i>	Sunflower, rough	3	1	L C	M D	F	7'					Jl-S	Y	Bd, Bf		Host for Silvery Checkerspot; spreads aggressively
<i>Heliopsis helianthoides</i>	Oxeye	3	1	SL	M	FS, PS	4-6ft		P/S	G	G	Jl, A	yellow	bd, bf	prairie, woodland	can spread by runners to form dense stands.
<i>Hepatica acutiloba</i>	Hepatica, sharp-lobed	3	1	L	M	PS S	6"					M-A	W-P-Pr-L		F	Interesting leaves; prefers less acid soils
<i>Hepatica americana</i>	Hepatica, round-lobed	3	1	S L	M D	PS S	6"					M-A	W-P-Pr	Bd, Bf	F	Interesting mottled leaves; prefers acid soils; can be poisonous if eaten in large quantities
<i>Heuchera americana</i>	Alumroot, coral bells	3	1	L	M	PS, Psh	1-2'	12"	M	SiG	P	A - S	Cr		F	Grown primarily for foliage, semi-evergreen, retains color in through fall/winter
<i>Hydrastis canadensis</i>	Goldenseal	3	1	L	M	Sh, Psh	6-8"		M	DG		A-M	Y	food	F	flowers early, produces red fruits, may go dormant if soil dries out

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<i>Hydrophyllum virginianum</i>	Virginia waterleaf	3	1	L	M	Psh-Sh	15"		M	SiG		M	P		W, F	very large leaves, leafs out early, spreads vigorously
<i>Hypericum ascyron</i>	Giant St. John's wort	3	1	S, L, C	M	PS F	2-6'					Jn-Ag	Y			Largest flowers in genus, 2-3"
<i>Impatiens capensis</i>	Jewelweed	3	1	L	W M	PS S	3'					Jl-S	Y-O	Bd, Bf		Hummingbird plant; fast grower; interesting "exploding" seeds
<i>Iris versicolor</i>	Wild blue flag, northern blue flag	3	1	C	W	PS F	2-3'	1.5-2'		DG		My-Jl	Pr		W, B	Grows best when the rhizome is just covered with water, muskrats are fond of roots
<i>Iris virginica</i>	Iris, southern blue flag	3	1	L	W M	F PS	2-3'					My-Jl	Pr	Bd, Bf	A	Prefers stable water level; poisonous roots
<i>Isopyrum biternatum</i>	Rue-anemone, false	3	1	L	M	PS S	1-1.5'			BG		A-My	W		F, R	Ephemeral leaves die back by summer but return in fall and remain green through winter
<i>Jeffersonia diphylla</i>	Twinleaf	3	1	SL	M	PSH-SH	1-1.5'	0.5-1'		G DG		My	W		F	Hardy to at least -20°C; slow-growing. May be considered a protected species, check before digging or gathering seeds. Should be pot-grown and planted into permanent positions ASAP.
<i>Koeleria macrantha</i>	June grass	3	1	L,S	D	FS,PS	2-3'			DG		A-Jn	Y	butterfly, mammal	O,P,W,D(f)	1st native grass to green up in spring, showy gr-white flowers
<i>Lespedeza capitata</i>	Round-headed bush clover	3	1	SL	MD	FS	3-5ft		R	YG	RB	Jl, A	white	bd	prairie	leaves close in evening, brownish red persists through the winter
<i>Liatis cylindracea</i>	Blazing star, dwarf	3	1	L	M D	F PS	1.5-2'					Jl-S	Pr	Bd, Bf		Cut flowers; drought-tolerant; nectar and seed source; replacement for invasive Purple Loosestrife

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<i>Liatris spicata</i>	Marsh blazing star	3	1	L C	WM	FS	3-4ft		P/S	G	G	Jl, A	Pr		Woodland / Prairie	
<i>Lobelia cardinalis</i>	Cardinal Flower	3	1	L	W M	F PS	2-4'			DG		Jl-S	R	bird, butterfly		Hummingbird plant; accent; tolerates occasional flooding; juice is poisonous
<i>Lobelia siphilitica</i>	Lobelia, great blue	3	1	L	W M	F PS	1-3'					Jl-S	B	Bd, Bf, B	R	Tolerates occasional flooding; poisonous when eaten
<i>Lupinus perennis</i>	Lupine	3	1	S	D	F	1-2.5'			DG		My-Jn	B-Pr-W	Bd, Bf	P	Drought tolerant; hummingbird plant; host of Karner Blue butterfly
<i>Lysimachia ciliata</i>	Fringed loosestrife	3	1	?	M	Sh, F	2-3'	1.5-2'	I,S,M	DG,P	NA	Jn-S	Y	?	W,A,R,Flp	
<i>Maianthemum canadense</i>	Canada mayflower	3	1	SL	M	PSh Sh	0.6-0.4'		S	G		My-Jn	W	Bd	F	Requires acidic soil, can spread from rhizomes, can't crowd with other plants
<i>Mertensia virginica</i>	Virginia bluebells	3		L	M	PSh	1-2.5'			YG-GrG		A-My	P, L, Light Blue		F	Use it as a spring native plant or in the naturalistic garden.
<i>Mimulus ringens</i>	Monkey flower	3			W-M	F-Ps	1-3'	.75-1'	C	MG		Ju	L-Pr		B	looks a bit like snapdragons
<i>Mitchella repens</i>	Partridgeberry	3	2	S	M,D	Sh,PSh	.2'	1.5'	P	DG	DG	JN,JL	W	Bd,Ma	F	Prostrate spreading evergreen ground cover
<i>Mitella diphylla</i>	Mitrewort; Bishop's cap	3	2	L	M	F PS	1.5'					My	W		F	Interesting evergreen leaves

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<i>Monarda fistulosa</i>	Beebalm	3	1	L C	M D	F	2-4'			GrG		Jl-Ag	P-L	bird, butterfly	O	Fragrant when crushed; also called wild bergamont
<i>Nymphaea odorata</i>	American white water lily	3			W	F	.5-1'	6-9'	S	MG		Ju-Ag	W-P	General	A - B	leaves Pr underneath
<i>Oenothera biennis</i>	Evening-primrose	3	1	S L	M D	F	2-5'					Jl-O	Y	Bd, Bf		Tolerates alkaline; drought-tolerant
<i>Oenothera fruticosa</i>	Sundrops	3			D	F	1.5-2.5'	1-1.5'	C-R	MG		Jl-N (fr)	Y	Bf, Bd & Ma	W	flowers open in sun
<i>Opuntia humifusa</i>	Eastern prickly pear	3	2	S	D	F	.75-1'	1-1.5'	P,C	MG	NA	Jn-Jl	Y	Ma,Bd	P	stems are modified fleshy pads
<i>Penstemon hirsutus</i>	Beard-tongue, hairy	3	1	L	M D	F	1-3'					Jn-Jl	Pr-L	Bd, Bf	P, O	A hummingbird plant
<i>Phlox divaricata</i>	Phlox, woodland	3	1	L	M D	PS	1-2.5'					My-Jn	B,L,W	Bd, Bf	F, Flp	Cut and fragrant flowers; a hummingbird plant; good groundcover; similar invasive species include <i>Hesperis matronalis</i> (Dame's Rocket) and <i>Phlox paniculata</i>
<i>Physostegia virginiana</i>	False dragonhead	3	1	L C	M	F PS	2-4'					Jl-S	P-W-L	B		Tolerates poor soils; prefers well-drained; (obedient plant)
<i>Podophyllum peltatum</i>	Mayapple	3	1	L C	M	PS S	1-1.5'			DG		My	W	Bf	F	Interesting leaves; aggressive
<i>Polemonium reptans</i>	Spreading Jacob's ladder	3		S - L	M	PSH - F	1 - 1.5'	1 - 1.5'		DG		Ap - Ma	P		F, R	

Scientific Name	Common Name	Type	Persis	Soil Type	Water Needs	Light Needs	Mature Height	Mature Width	Plant Form	Foliage Color	Fall Color	Bloom Time	Bloom Color	Wildlife Value	Community Affiliation	Aesthetic Features/Other Comments	
<i>Polygonatum biflorum</i>	Solomon-seal	3	1	L	W M	PS S	1.5-2'			DG	Y	My	W	Bd	F, Flp	Pretty purple fruit; attractive foliage; prefers moist woodland soil	
<i>Pontederia cordata</i>	Pickerelweed	3	2	Any W	M	PSH	1-3'	1-3'	M	DG	na	JN,JL, AG,S	B	Bd	A,W	Emergent aquatic plant, conspicuous blue flower spike	
<i>Porteranthus trifoliatius</i>	Bowman's root	3	1	scl	m,w	ps	3	3	m	dg	b	jn	w		f		
<i>Potentilla anserina</i>	Silverweed	3	1	all	w	ps,psh	0.5		p	g	b	jn-sp	y	ma			
<i>Pteridium aquilinum</i>	Bracken	3	1	s, sl,sc	m	psh, sh	6.6		s	dg	b	na	g		f		
<i>Pycnanthemum virginianum</i>	Mountain mint	3	1	L C	W M	F PS	2-3'					Jl-S	W-Pr	Bf		Cut, dried and fragrant flowers	
<i>Ratibida pinnata</i>	Coneflower, yellow	3	1	L C	M D	F	3-6'					Jn-S	Y	Bd, Bf, B	P, Sv	cut flower; fragrant when crushed; may need staking	
<i>Rudbeckia fulgida</i>	Black-eyed Susan	3	1	C, L	6.0-7.0	D M	F, SP, P	1-3.5'			G		Jn-O	Y,B		a pioneer species, can establish on burned sites be poisonous to cattle, sheep and	
<i>Rudbeckia hirta</i>	Black-eyed Susan	3	1	L C	M D	F PS	1-3'						Jn-S	Y	Bd, Bf, B	P, O	Decorative seedhead; cut flowers
<i>Rudbeckia laciniata</i>	Coneflower, cut-leaved	3	1	L	W M	F PS	3-8'						Jn-S	Y	Bd, Bf	Flp, F	Tolerates occasional flooding; shade-tolerant

Scientific Name	Common Name	Type	P,ersis	Soil Type	Water Needs	Light Needs	Mature Height	Mature Width	Plant Form	Foliage Color	Fall Color	Bloom Time	Bloom Color	Wildlife Value	Community Affiliation	Aesthetic Features/Other Comments
<i>Ruellia humilis</i>	Wild petunia	3	1	S,L		D	Sh	1-2'		C	G		JN-A	L,Pr	endangerd in Michigan. Purchase	
<i>Sagittaria latifolia</i>	Broad-leaved arrowhead	3	1	C, L	4.7 - 8	W	Sh SP P	1-3'		C	G		Jl-S	W, Y	spread easily in small ponds,	
<i>Sanguinaria canadensis</i>	Bloodroot, Canadian Burnet	3	1	L C	M	PS S	8-10"		M			A	W		F, Flp	Interesting leaves; red sap in roots and stems; root is poisonous
<i>Sarracenia purpurea</i>	Common pitcher plant	3	1	*Peat	W	F	8-24"	4-10"		R,P		Jn-Jl	R	B,Insect	W,B,SV	Wetland Indicator States: OLB
<i>Scutellaria lateriflora</i>	Mad-dog scullcap	3	1	S,L,C	M	S,PS	1.5'	1.5'	C	DG	DG	JN,JL, AG,S, O	B,Pr,L	M	Flp, P	upright perennial with blue, purple, or lavender flowers
<i>Senecio aureus</i>	Golden ragwort	3	1	S L	W M	F S	1-3'			DG	Y	My	Y		F, M	prefers mildly acidic soil conditions
<i>Silene virginica</i>	Fire pink	3	1	L	D-M	F,PS	10-20"	12"		G		A, My,J	R	HBd, Bf	O,F,M	Hummingbird and Butterfly Attractor
<i>Silphium laciniatum</i>	Compass plant	3	1	SL	M	F	4-8'	1-3'		G		Jl, Ag	Y	Bd,Bf	P,SV	Good Cut flowers, Leaf surfaces bend to sunlight in Morning and Afternoon-Basal leaves hold edges pointing N-S
<i>Silphium terebinthinaceum</i>	Prairie-dock	3	1	L C	M	F	>5'					Jl	Y	Bd, Bf	P	Intersting leaves orient North to South; tolerates occasional flooding; deep tap roots make transplanting difficult
<i>Sisyrinchium angustifolium</i>	Blue-eyed-grass	3	1	L	M D	F PS	0.5-1.5'					My-Jn	B		P	Excellent rock garden perennial

Scientific Name	Common Name	Type	P,ersis	Soil Type	Water Needs	Light Needs	Mature Height	Mature Width	Plant Form	Foliage Color	Fall Color	Bloom Time	Bloom Color	Wildlife Value	Community Affiliation	Aesthetic Features/Other Comments
<i>Smilacina racemosa</i>	Solomon-seal, false	3	1	L	M	PS S	2-3'					My-Jn	W	Bd	F	Prefers well drained, moist soils
<i>Smilacina stellata</i>	Solomon-seal, starry false	3	1	S L	M	F PS	1.5-2'					My-Jn	W			Interesting green or red berries with dark bands; grows well in sandy soil and full sun
<i>Solidago caesia</i>	Goldenrod, bluestem	3	1	S L C	M D	PS	2-3'					s-O	Y		F	Bluish stem; beautiful fall flowers
<i>Solidago rigida</i>	Goldenrod, stiff	3	1	L C	M D	F	2-4'					S-O	Y	Bd, Bf, B	P, O	Flowers can be cut and dried
<i>Solidago speciosa</i>	Goldenrod, showy	3	1	S L	M D	F PS	2.5-5'					Ag-S	Y		O	Flowers can be cut and dried
<i>Stylophorum diphyllum</i>	Celandine poppy	3	1	L	M	PS,PSh	16"	18"		BG		A,My,Jn	Y		F	Bristly fruits, Deer and Mammal Resistant
<i>Thalictrum dasycarpum</i>	Meadow-rue, purple	3	1	L	W M	F	3-7'					Jn-Ag	W		W, Flp	Purple stems; flowers have no petals
<i>Thalictrum dioicum</i>	Meadow-rue, early	3	1	L C	M D	PS S	1.5-2.5'			BG	Y	A-My	G-Y		F	Flowers have no petals; stamens are showy; need male and female flowers to set seed
<i>Tiarella cordifolia</i>	Foamflower	3	1	L	M	PS	8-10"				R	My-Jn	W-P	Bd	F	Interesting leaves; evergreen
<i>Tradescantia ohioensis</i>	Spiderwort	3	1	L C	M	F PS	2-3'			BG		Jn-Ag	B-Pr	Bf	F, Sv	Individual flowers last one day

Scientific Name	Common Name	Type	Persis	Soil Type	Water Needs	Light Needs	Mature Height	Mature Width	Plant Form	Foliage Color	Fall Color	Bloom Time	Bloom Color	Wildlife Value	Community Affiliation	Aesthetic Features/Other Comments
<i>Trillium grandiflorum</i>	Large-flowered trillium	3	1		M	S	1-1.5'	8"				A-Jn	W - P	Ma	F	The heavy plant may need to be held up with stakes if it begins to droop. Ants help propagate the plants
<i>Uvularia grandiflora</i>	Bellwort	3	1	L	M	PS S	1.5-2.5'					A-My	Y		F	Intersting leaves
<i>Verbena hastata</i>	Vervain, blue	3	1	L C	W M	F	4-6'					Jl-S	B-Pr-Rc	Bf	W, A	Cut flowers; biennial
<i>Veronia missurica</i>	Ironweed	3	1	L C	W M	F	3-6'					Jl-S	Pr-Ro	Bf		Tolerates occasional flooding; can be aggressive
<i>Veronicastrum virginicum</i>	Culver's-root	3	1	L C	M	F PS	2-6'			DG		Jn-S	W	Bf	P, Flp, F	Likes alkaline soils; flower spikes 2-12"; may need staking
<i>Viola pubescens</i>	Violet, downy yellow	3	1	L	M	PS S	6-8"					A-My	Y	Bf	F	May rebloom in fall; host for Fritillary butterflies
<i>Viola rostrata</i>	Violet, long-spurred	3	1	L	M	PS S	4-6"					A-My	Pr-W	Bd, Bf		Host plant for Fritillary butterflies
<i>Zizia aurea</i>	Golden Alexanders	3	1	L C	W M D	F PS	2-3'			BG		My-Jn	Y	Bf	F, Flp, P	Interesting leaves
GRASSES																
<i>Ammophila breviligulata</i>	Beach grass	4	1	D	S	F	2-3'						Y, Pr			Rhizomes can spread up to 8 ft in a year
<i>Andropogon gerardii</i>	Bluestem, big	4	1	L C	M D	F	6-9'			BG	R-B	Ag-O	Pr	Bd	P	Erosion control; drought-tolerant

<i>Scientific Name</i>	Common Name	Type	P,er sis	Soil Type	Water Needs	Light Needs	Mature Height	Mature Width	Plant Form	Foliage Color	Fall Color	Bloom Time	Bloom Color	Wildlife Value	Community Affiliation	Aesthetic Features/Other Comments
<i>Andropogon scoparius</i>	Bluestem, little	4	1	S L	M D	F	2-4'			BG	R-B, Y	Ag-O		Bd, Ma	D, O, Sv	Aesthetic Features/Other Comments Erosion control; tolerates a wide variety of soils
<i>Bouteloua curtipendula</i>	Side-oats grama	4	1		M D	F	2-3'			GrG	Y	Jl-S	Pr	Bd	O, P	Flowers are arranged on one side of the stem
<i>Brachyelytrum erectum</i>	Grass, long-awned wood	4	1	S L C	M D	P S S	1-2'					Jl-Ag			F	Slender seedhead; broad leaves
<i>Bromus latiglumis</i>	Grass, ear-leaved brome	4	1	L C	W M	F P S S	3-4'					Jl-Ag			Flp, F	Robust grass; large nodding seedhead
<i>Calamagrotis canadensis</i>	Blue joint	4	1		W M	F	2-5'					Jn-Jl			W, B, A	Makes a solid stand that excludes other plants, flood tolerant
<i>Carex crinita</i>	Sedge, fringed	4	1	L C	W	F P S S	2-3'					My-Jn				Attractive drooping seedhead
<i>Carex gracillima</i>	Sedge, graceful	4	1	S L C	M D	P S S	2-3'					MyJl				Graceful arching aspect
<i>Carex grayi</i>	Sedge, Gray's	4	1	L C	W M	P S S	1-2'					My-Jn				Distinctive mace-like seedhead
<i>Carex muskingumensis</i>	Sedge, palm	4	1	S L C	W	P S S	2-3'			PG		Ag-S			R, F	Tuft of leaves at tip of stem; very leafy
<i>Carex pensylvanica</i>	Sedge, Pennsylvania	4	1	S L	M D	F P S	8"			PG		My-Jn			F	Tolerates dry soils; spreads in sand

Scientific Name	Common Name	Type	P,etris	Soil Type	Water Needs	Light Needs	Mature Height	Mature Width	Plant Form	Foliage Color	Fall Color	Bloom Time	Bloom Color	Wildlife Value	Community Affiliation	Aesthetic Features/Other Comments
<i>Carex sprengeii</i>	Sedge, long-beaked	4	1	L C	W M	PS S	1-2'			YG		My-Jn				Bright yellowish-green foliage; nodding seedhead
<i>Carex stipata</i>	Sedge, awl-fruited	4	1	S L C	W	F PS	1-3'					My-Jn		W		Spiky seedhead
<i>Carex stricta</i>	Sedge, tussock	4	1	S L C	W	F PS	2-3'					Jn-Jl		W		Emerging blue-green leaves; forms mounds
<i>Carex vulpinoidea</i>	Sedge, fox	4	1	S L C	W	F PS	1-3'					My-Jl		M		"Foxtail" seedhead
<i>Chasmanthium latifolium</i>	Wild oats	4	1		M	PS F	2-3'	2'					G			Showy dangling seedhead starts out green and becomes coppery brown, self-sowing
<i>Deschampsia caespitosa</i>	Tufted hair grass	4	1		M W	PS F	2-3 1/2'			DG			G-Y	W, A		Prefers cool sites
<i>Elymus canadensis</i>	Wild-rye, Canada	4	1	L	M D	F	3-5'					Ag-S		Bd	P, D	Soft nodding seedhead; will spread by seed
<i>Elymus villosus</i>	Wild-rye, silky	4	1	S L C	M	PS S	1-3'			BG		Jn-Jl		Bd	P	Soft velvety leaves; nodding seedheads
<i>Eragrostis spectabilis</i>	Purple lovegrass	4	1	S L	D	F	1-1.5'			PG	R-B	Ag-O	R-Pr	O		A purplish flowerhead; drought-tolerant
<i>Glyceria striata</i>	Grass, fowl-manna	4	1	L C	W M	F PS S	1-3'					My-Jn		Yes (?)		Wispy narrow leaved grass

Scientific Name	Common Name	Type	P.ersis	Soil Type	Water Needs	Light Needs	Mature Height	Mature Width	Plant Form	Foliage Color	Fall Color	Bloom Time	Bloom Color	Wildlife Value	Community Affiliation	Aesthetic Features/Other Comments
<i>Hierochloe odorata</i>	Sweet grass	4		L	M W	S	1-2'		C	G	G, P	Jul	Y		W, A, B, P	highly aromatic, flowers early
<i>Hystrix patula</i>	Bottlebrush grass	4	1	L C	M D	P S S	4-5'					Jl-S			F	Interesting "bottlebrush" seedhead
<i>Juncus effusus</i>	Rush, soft-stemmed	4	1	S L C	W	F P S	2-4'					My-Jn			W	Clumps of bright green leafless stems
<i>Juncus tenuis</i>	Rush, path	4	1	S L C	W M D	F P S	8-18"					Jn-Ag			M, P	Short; tolerant of soil compaction
<i>Luzula acuminata</i>	Hairy wood rush	4		L-C	M	P Sh	6-10"		I	DG	G	F - Ag	G-W, greenish white		F	
<i>Panicum virgatum</i>	Switch grass	4	1	S L C	M D	F P S	4-6'			DG-GrG		Ag-O		Bd, Ma	P, F, D	Erosion control; tolerant of alkaline soils
<i>Schizachyrium scoparium</i>	Little bluestem	4	1	S L C	D	F	2-4'	1.5-2'		GrG	RB	Ag-F	Y		P	Recognized by its roundish clumps of stems that are somewhat reddish purple in color. The stems turn yellowish orange as the plants mature and go to seed.
<i>Scirpus acutus</i>	Hardstem bulrush	4	1	L	W	F	5-8'					Jl-S			A, W	Plant in masses in wet areas
<i>Scirpus cyperinus</i>	Wool-grass	4	1	L	W	F	4-6'					Jl-S			F	Long wooly hairs on seeds; arching seedhead
<i>Sorghastrum nutans</i>	Indian grass	4	1	S L C	M D	F P S	4-7'			PG, GrG, BG	Y-O	Ag-S		Bd	P, Sv	Erosion control; drought-tolerant

Scientific Name	Common Name	Type	Persis	Soil Type	Water Needs	Light Needs	Mature Height	Mature Width	Plant Form	Foliage Color	Fall Color	Bloom Time	Bloom Color	Wildlife Value	Community Affiliation	Aesthetic Features/Other Comments	
<i>Spartina pectinata</i>	Prairie cordgrass	4	1	S L	W M	F	3-6'				Y	Ag-O			P	Aesthetic Features/Other Comments Effective streambank stabilization; "toothbrush" seedhead	
FERNS																	
<i>Adiantum pedatum</i>	Maidenhair fern	5	1	L	M	PS S	1.5'			PG	Y					F	Unique fan-shaped fronds; delicate appearance
<i>Asplenium platyneuron</i>	Ebony spleenwort	5	2	S L C	M D	F PS	8-16"									F, O	Narrow, leathery evergreen fronds
<i>Athyrium filix-femina</i>	Lady fern, northern	5	1	L	M	PS S	2-3'			G-YG						F	May spread; lacy fronds in an attractive vase shape
<i>Cystopteris bulbifera</i>	Bulblet fern	5	1	L	M	PS S	1-2'									F, R	Long tapering fronds
<i>Cystopteris fragilis</i>	Fragile fern	5	1	L	M D	F PS S	8-18"									F	Short light green lacy fronds
<i>Dennstaedtia punctilobula</i>	Hay-scented fern	5	1		D M	S PS				PG							May become invasive if conditions are desirable, likes acidic soil
<i>Dryopteris carthusiana</i>	Woodfern, spinulose	5	1	S L C	M D	PS S	1-3'										Lacy fronds; vase shaped
<i>Dryopteris cristata</i>	Woodfern, crested	5	1	S L C	W	PS S	2-3'			PG							Broad horizontal leaflets; narrow frond
<i>Dryopteris marginalis</i>	Marginal wood fern	5	2			S				DG							

Scientific Name	Common Name	Type	Pteris	Soil Type	Water Needs	Light Needs	Mature Height	Mature Width	Plant Form	Foliage Color	Fall Color	Bloom Time	Bloom Color	Wildlife Value	Community Affiliation	Aesthetic Features/Other Comments
<i>Gymnocarpium dryopteris</i>	Oak fern	5	1	S, CL	M, W	F	.5 to .75 feet	.6 to .75 ft	M	G	--	--	--		F, W	
<i>Matteuccia struthiopteris</i>	Ostrich fern	5	1	L	W M	PS S	3-6'				B				W, F	Distinct fertile fronds; an aggressive spreader
<i>Onoclea sensibilis</i>	Sensitive fern	5	1	L	W M	F PS S	1.5-2'			YG					W, F, A	Fertile frond; prefers slightly acidic soils
<i>Osmunda cinnamomea</i>	Cinnamon fern	5	1	L	W M	F PS S	2-4'			DG					F, W, Sv	Tall fern with cinnamon colored fuzz on stem
<i>Osmunda claytoniana</i>	Interrupted fern	5	1	L	M	PS S	2-4'								F	Fertile fronds with dark spore clusters in the middle
<i>Osmunda regalis</i>	Royal fern	5	1	L	W	F PS S	3-6'			PG					W, B	Spore clusters borne at top of unusual blue-green fronds; prefers acidic soils
<i>Phegopteris connectilis</i>	Northern beech fern	5		SL - CL	M	Sh	.83 - 1'	~5"	Py	PG	PG	na	na		F	ferns, deciduous, indicates nitrogen rich soils
<i>Phegopteris hexagonoptera</i>	Broad beech-fern	5	1	S L	M	PS S	2'								F	Prefers humus-rich soils
<i>Polypodium virginianum</i>	Rock-cap fern, common polypody	5	2	?	M	PSH	.33-1'	?	M	YG	NA	NA	NA	NA	F	
<i>Polypodium virginianum</i>	Rock-cap fern, common polypody	5	2	?	M	PSH	.33-1'	?	M	YG	NA	NA	NA	NA	F	

Scientific Name	Common Name	Type	P. persis	Soil Type	Water Needs	Light Needs	Mature Height	Mature Width	Plant Form	Foliage Color	Fall Color	Bloom Time	Bloom Color	Wildlife Value	Community Affiliation	Aesthetic Features/Other Comments
<i>Polystichum aristichoides</i>	Christmas fern	5	2	L	D	PS S	1-2'			DG					F	Evergreen; low growing
<i>Thelypteris palustris</i>	Marsh fern	5	1	L C	W	F PS	1-2'			PG					W	Frons add texture to wetland areas
VINES																
<i>Celastrus scandens</i>	American bittersweet	6	1		M	PS F	25'						G		Bd	Showy fruit with yellow-orange husk opens to expose red aril, might overtake nearby plants, must have male and female plants for fruit production
<i>Clematis virginiana</i>	Virgin's bower	6	1	S L C	W M D	F PS	12-15'				P	Jl-S	W, Cr		F, S	Fast grower; wispy seedheads; leaves are poisonous
<i>Dioscorea villosa</i>	Wild yam	6	1	L C	M	F PS	30'					My-Jn				Heart-shaped leaves; winged fruit
<i>Menispermum canadense</i>	Moonseed	6	1	S L C	M	PS S	3-6'			G	Y	Jn-Jl	W	Bd, Ma	F, R, S	Fast grower; round leaves, fruit is poisonous
<i>Parthenocissus quinquefolia</i>	Virginia creeper	6	1	S L C	M D	F PS S	35'			DG	R, P	Jn-Jl	W	Bd, Ma	F, S	Creeps and climbs; very decorative; good groundcover; fruit may be poisonous to humans
<i>Smilax tamnoides</i>	Bristly greenbriar	6	1	L C	W M	F PS	10-35'				Y	Jn	G	Bd, Ma	F, O	Slow grower; green stem with black bristles
<i>Vitis riparia</i>	Riverbank grape	6	1	L C	W M D	F PS S	35'			G	Y	My-Jn	G-W	Bd, Ma	R, F	Fragrant inconspicuous flowers; flood-tolerant

Key for Plant Traits Spreadsheet

KEY for plant traits

Scientific Name

Common Name

Type: 1 = tree, 2 = shrub, 3 = herbaceous perennial, 4 = grasses, 5 = fern, 6 = vine

Persistence: 1 = Deciduous, 2 = Evergreen, 3 = facultative evergreen

Soil Type: S = sand, L = loam, C = clay, SL = sandy-loam, SCL = sandy-clay-loam

Water Needs: W = wet, M = moist, D = dry

Light Needs: F = full sun, PS = partial sun, PSh = partial shade, Sh = shade

Mature Height: height range (at widest point)

Mature Width: width range (at widest point)

Plant Form: C = columnar, H = horizontal, I = irregular, M = mounded, O = oval, P = prostrate, Py = pyramidal, R = rounded, S = spreading

Foliage Color: PG = pale green, G = bright green, DG = dark green, MG = medium green, O = olive green, BG = blue-green, YG = yellow-green, GrG = Gray Green, R = red, P = purple, Y = yellow, Cr = cream, V = variegated, B = Brown, Gr = Gray, Si = Silver

Fall Color: dG = dull green, G = green, O = olive green, YG = yellow-green, YB = yellow-brown, Y = yellow, O = orange, R = red, Sc = Scarlet, P = purple, B = Brown, M = maroon, Cr = cream

Bloom Time: Jn = January, F = February, Mr = March, A = April, My = May, Jn = June, Jl = July, Ag = August, S = September, O = October, N = November, D = December

Bloom Color: B = blue, Br = brown, G = green, L = lavender, O = orange, P = pink, Pr = purple, R = red, Ro = rose, S = silver, W = white, Y = yellow, Cr = Cream

Wildlife Value: Bd = bird, Bf = butterfly, B = bees, Sq = squirrels, Mi = mice, D = deer, Ma = Mammal (General)

Community Affiliation: S = shrubland, O = open/field, F = forest, woodland, B = Bog, P = prairie, grassland, M = meadow, Flp = Floodplain, W = Wetland/Marsh, A = aquatic, grows in or near water of lakes or ponds, Sv = savannah; R = Riparian; D = dunes

Aesthetic Features/Other Comments