

HABITAT KEY FOR SITE SELECTION

Soil:	S – sand	L – loam	C – clay
Moisture:	W – wet	M – moist	D – dry
Shade Tolerance:	○ – full sun	◐ – partial shade	● – full shade
Growth Rate:	S – slow	M – moderate	F – fast

TREE & SHRUB DESCRIPTIONS

Name	Soil	Moisture	Shade Tolerance	Ave. Height	Growth Rate	Comments
Conifers						
Austrian Pine	S L	M – D	○	45'	MF	European native; heavy crowned; salt tolerant
Black Spruce	LC	W – M	○ ◐	50'	S M	Native to Michigan; timber, wildlife, reforestation
Blue Spruce	S L C	M – D	○ ◐	45'	S M	Prized ornamental; prone to wind-throw in clay
White Cedar	S L C	W – D	◐ ●	70'	S M	Commercial timber tree; landscape, fragrant
Concolor (White) Fir	S L C	M – D	○ ◐	55'	S M	Ornamental; light leathery foliage; excellent Christmas tree
Fraser Fir	S L C	M – D	◐ ●	45'	S M	Native to Appalachia; bi-colored foliage; excellent Christmas tree
Norway Spruce	LC	M – D	○	45'	MF	Drooping branches; ornamental, windbreaks and wildlife
Red Pine	S L	D	○	80'	F	Native to Michigan; timber, windbreaks, wildlife
White Pine	S L C	W – D	○ ◐	100'	MF	Native to Michigan; timber, windbreaks, wildlife
White Spruce	S L C	M	◐ ●	40'	M	Native to Michigan; landscape, saw timber, reforestation
Tamarack	LC	W – M	○	70'	F	Native to Michigan; loses needles each year, timber, wildlife
Deciduous						
Black Cherry	L	M – D	○ ◐	50'	F	Timber production; game bird & wildlife food
Black Walnut	S L	M – D	○ ◐	65'	F	Timber production; wildlife food, edible nuts
Butternut	L	M – D	○ ◐ ●	80'	MF	Sweet, prized nuts; custom furniture and panel wood
Carpathian Walnut	S L	M – D	○ ◐	65'	F	Timber production; mild flavored nut; wildlife food
English Oak	S L C	M – D	○ ◐	50'	MF	Faster low growing oak, pollution & salt tolerant
Red Maple	S L C	W – M	◐ ●	80'	F	Timber production; dense growth for wildlife; vibrant fall color
Red Oak	S L	M – D	○ ◐	80'	MF	Timber species; abundant acorns
River Birch	L	W – D	○	70'	MF	Rapid growing shade tree with flaky orange ornamental bark.
Sawtooth Oak	S C L	M – D	○	60'	MF	Fast growing when young, produces acorns at young age
Silver Maple	S L C	W – D	◐ ●	70'	F	Fast growing shade tree; vibrant fall color
Sugar Maple	L	M – D	○ ◐ ●	85'	MF	Excellent for timber; maple syrup production; vibrant fall color
Tulip Poplar	L	M – D	○ ◐	80'	F	Tulip shaped flower; very fast growing
White Oak	S L C	M – D	◐ ●	80'	S M	Timber tree; fire wood; wildlife prefers nut to red oak
Small Trees and Shrubs						
Arrowwood	S L	M – D	○ ◐	8'	M	Fragrant white flowers, deep purple fruit; songbird and wildlife
Butterfly Bush	S L C	M – D	○	9'	F	Butterflies! summer & fall color; cut to ground level late winter
Red Elderberry	LC	W – M	○ ◐	15'	MF	Naturalizing Shrub; Late white flower heads; fruit favorite of game & song birds; pies, jam, & wine makers; poisonous if raw
Filbert (Hazelnut)	S L C	M – D	○ ◐	15'	F	Fall cover and nuts for song & game birds, including grouse – if gardeners and squirrels don't get them first
Flaming Maple	S L C	W – D	○ ◐ ●	20'	MF	Very hardy small tree, cold and drought tolerant; suitable for full sun or full shade; green leaves turn brilliant red early in fall
Flowering Dogwood Tree	LC	M	○ ◐ ●	17'	M	Popular ornamental tree. Showy spring flowers, red fruit & foliage in fall, large floral buds & checked bark in winter
Gray Dogwood	S C L	M – D	○ ◐ ●	9'	F	Great wildlife food and cover; excellent for fence rows;

Forsythia	L	M	○●	8'	F	Bright yellow flowers in Spring; good for hedges
Highbush Cranberry	S C L	W - M	○●	10'	M	Bright red berries lasting through the winter make great late winter wildlife food; nice foliage
Hybrid Poplar	S L C	W - D	○	30'	F	Very fast growing for visual screen, windbreaks, & fencerows; pulp tree, will re-grow from suckers after cutting
Lilac, Common	S L C	W - D	○●	10'	M	Light purple flowers occurring in clusters; one of the most powerful fragrances emitted by a plant
Nannyberry	S L C	W - M	○●	14'	M	Edible fruits for jam & jellies, persist in winter for wildlife food
Ninebark	S L C	W - D	○●	10'	M	Hardy on nearly all sites; showy flowers early summer, fruits persist in winter, attractive peeling bark, easily transplanted
Red Osier Dogwood	L C	M - D	○●●	10'	F	Great wildlife food; winter-bearing white fruit, red twig
Redbud	L	W - M	○●●	15'	MS	Profuse lavender blossoms before leaf-out; glossy heart-shaped leaves; ornamental and under story river bottom species
Serviceberry	S L	M	○●●	22'	MF	Early white flower, small under story tree; midsummer fruits
Silky Dogwood	L C	W - M	○●●	10'	F	Reddish-brown twigs and blue fruit; Excellent for windbreaks, streambank protection, slope stabilization, and wildlife habitat
Winterberry Holly	L C	W - M	○	10'	MF	A deciduous shrub producing red berries that persist into winter, excellent habitat and food source for wildlife