

HABITAT KEY FOR SITE SELECTION

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|-------------------------|--------------|-------------------|----------------|
| 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 |
| Blue Spruce | S L C | M – D | ○ ◐ | 45' | S M | Prized ornamental; prone to wind-throw in clay |
| Norway Spruce | L C | M – D | ○ | 45' | MF | Drooping branches; ornamental, windbreaks and wildlife |
| Red Pine | S L | D | ○ | 80' | F | Native to Michigan; timber, windbreaks, wildlife |
| White Cedar | S L C | W – D | ◐ ● | 70' | S M | Native to Michigan; commercial timber tree, landscape, fragrant |
| 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 |
| Deciduous Trees and Shrubs | | | | | | |
| American Mountain Ash | S L | W – D | ○ ◐ ● | 18' | S | Popular ornamental; beautiful foliage and clumps of yellow-orange fruits; for farm or yard |
| Black Cherry | L | M – D | ○ ◐ | 50' | F | Timber production; game bird & wildlife food |
| Butterfly Bush | S L C | M – D | ○ | 9' | F | Butterflies! summer & fall color; cut to ground level late winter |
| Butternut | L | M – D | ○ ◐ | 80' | MF | Sweet, prized nuts; custom furniture and panel wood |
| Carpathian Walnut | S L | M – D | ○ ◐ | 65' | F | Timber & nut production; mild flavored nut; wildlife food |
| Eastern Redbud | L | W – M | ○ ◐ ● | 15' | M | Profuse lavender/pink blossoms before leaf-out; glossy heart-shaped leaves; ornamental and understory river bottom species |
| Highbush Cranberry | S C L | W – M | ○ ◐ | 10' | M | White flowers turn into bright red berries lasting through the winter make great late winter wildlife food; nice foliage |
| 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 |
| Hybrid Poplar | S L C | W – D | ○ | 70' | 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 |
| Sugar Maple | L | M – D | ○ ◐ ● | 85' | MF | Excellent for timber; maple syrup production; vibrant fall color |
| Red Maple | S L C | W – M | ◐ ● | 80' | F | Timber production; dense growth for wildlife; vibrant fall color |
| Red Oak | S L | M – D | ○ ◐ | 90' | MF | Timber species; abundant acorns |
| Red Osier Dogwood | L C | M – D | ○ ◐ ● | 10' | F | Great wildlife food; winter-bearing white fruit, red twig |
| River Birch | L | W – D | ○ | 70' | MF | Rapid growing shade tree with flaky orange ornamental bark. |
| 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 |
| White Oak | S L C | M – D | ○ ◐ ● | 80' | S M | Timber tree; fire wood; wildlife prefers nut to red oak |