

Tree Species	Mature Size		Sunlight	Growth Rate	Soil and Water
Black chokeberry (Aronia melanocarpa)	3'	6'	Full	Slow	Well-drained, Acidic
Common ninebark (Physocarpus opulifolius)	3'	10'	Full-Partial	Slow to Moderate	Neutral, clay, loamy
Fragrant sumac (Rhus aromatica)	3'	5'	Full-Partial	Medium to Fast	
Buttonbush (Cephalanthus occidentalis)	4'	6'	Full-Partial	Medium	Moist, well-drained soil, Wet soil, Alkaline soil, Occasional flooding, Wet sites
American elder (Sambucus canadensis)	5'	12'	Full-Partial	Fast	Acidic, Clay, Drought, Loamy, Moist, Rich, Sandy, Silty Loam, Well Drained, Wet
Spicebush (Lindera benzoin)	6'	12'	Full-Partial	Medium to Fast	Acidic, moist, well-drained, wet soil. Will tolerate wet sites and occasional drought or flooding
Arrowwood Viburnum (Viburnum dentatum)	6'	15'	Full-Partial	Medium	Acidic, Alkaline, Clay, Loamy, Moist, Rich, Sandy, Silty Loam, Well Drained
Red osier dogwood (Cornus sericea)	7'	9'	Full-Partial	Slow to Moderate	The redosier dogwood is very adaptable, growing in acidic to alkaline soils. It prefers moist soils and often grows in wet swamp lands. It does not, however, tolerate excessively dry soil
Paw Paw (Asimina Tribola)	9'	40'	Full-Partial	Slow	Pawpaws grow in humid climates and are highly frost tolerant. They grow in the shade in open woods, usually in wet, fertile bottomlands, but can grow in upland areas on rich soils. The plants prefer moist, slightly acidic soils and require regular watering, but are adaptable to many conditions.
Gray dogwood (Cornus racemosa)	10'	15'	Full-Partial	Fast, with height increases up to 24" each year	Drought, Wet, Moist, Well Drained, Rich, Alkaline
Blackhaw viburnum (Viburnum prunifolium)	10'	15'	Full-partial-shade	Moderate to Slow	Moist, well-drained soil, Alkaline soil, clay soil, Dry sites, Occasional drought
Ohio Buckeye (Aesculus glabra)	20'	40'	Full-Partial	Moderate	Grows in acidic, moist, well-drained soilState tree of Ohio
Eastern Redbud (Cercis canadensis)	20'	30'	Full-Partial	Medium, with height increases of 13-24" each year	The eastern redbud grows in acidic, alkaline, loamy, moist, rich, sandy, well-drained and clay soils.
Flowering dogwood (Cornus florida)	20'	40'	Full-partial-shade	Slow	Acid soil, Moist, well-drained soil,
Black gum/ Tupelo / Sour gum (Nyssa sylvatica)	30'	50'	Full-Partial	Slow to Medium	Acidic, Loamy, Moist, Rich, Sandy, Silty Loam, Well Drained
Black willow (Salix nigra)	30'	60'	Full-partial-shade	Fast	Moist, well-drained soil, Wet soil, Alkaline soil, clay soil, Occasional flooding, Road salt, Wet sites
Red mulberry (Morus rubra)	35'	50'	Full-Partial	Medium	Moist, well-drained
Red Maple (Acer Rubrum)	40'	60'	Full	Medium to Fast, with height increases from 13" to more than 24" per year	Prefers wet soil, but has slight drought tolerance. Grows in acidic, rich, moist, well-drained, loamy, sandy, silty loam, and clay soils.
River Birch (Betula nigra)	40'	70'	Full-Partial	Medium to Fast, with height increases from 13" to more than 24" per year	The river birch grows well in acidic, loamy, moist, sandy, well-drained, wet and clay soils. It will tolerate moderate flooding as well as some drought.
Hackberry (Celtis occidentalis)	40'	60'	Full	Medium to Fast, with height increases from 13" to more than 24" per year	The hackberry grows well in acidic, alkaline, loamy, moist, rich, sandy, well-drained, wet and clay soils. It has some tolerance for both flooding and drought.
Chinkapin oak (Quercus muehlenbergii)	40'	50'	Full	Fast, with height increases of more than 24" per year.	The chinkapin oak grows in acidic, alkaline, loamy, moist, sandy, well-drained, wet and clay soils. It tolerates wet conditions and some drought but does best in well-drained areas that do not experience severe drought.
Shumard oak (Quercus shumardii)	40'	60'	Full	Slow	Acidic, Alkaline, Drought, Loamy, Well Drained
White Pine (Pinus strobus)	50'	80'	Full-Partial	Fast, with height increases of more than 24" per year.	The eastern white pine grows in acidic, moist, well-drained and dry soils. While it does best in moist soil, the tree can has been known to tolerate everything from dry, rocky ridges to bogs.
Black cherry (Prunus serotina)	50'	60'	Full-Partial	Fast	Prefers acidic, moist, well-drained soil. Tolerates alkaline soils, and is moderately tolerant of drought and flooding.
Bald cypress (Taxodium distichum)	50'	75'	Full	Medium	Acidic, Clay, Drought, Loamy, Moist, Sandy, Silty Loam, Well Drained, Wet
American basswood (Tilia americana)	50'	80'	Full-Partial	Fast	Sandy loams, loams, finer textured, well-draining
Swamp white oak (Quercus bicolor)	50'	60'	Full	Medium, with height increases from 13" to up to 24" per year	Grows in acidic, moist, well-drained, and wet soils. It is tolerant of drought, compacted soil and some salt exposure.
American beech (Fagus grandifolia)	50'	70'	Full-Partial	Slow	Acid soil, Moist, well-drained soil, Alkaline soil
American Sweetgum (Liquidambar styraciflua)	60'	75'	Full	Medium to Fast	Acidic, Clay, Drought, Loamy, Moist, Sandy, Well Drained, Wet
American Elm (Ulmus americana)	60'	80'	Full	Medium to Fast, 10- 12' in 5 years	The American Elm occurs naturally in an assortment of habitats, most notably rich bottomlands, floodplains, stream banks, and swampy ground, although it also often thrives on hillsides, uplands and other well-drained soils.
Pin oak (Quercus palustris)	60'	70'	Full	Fast, with height increases of more than 24" per year.	The pin oak grows in acidic, loamy, moist, rich, sandy, well-drained, wet and clay soils. It can tolerate wet conditions, including moderate flooding.
Northern red oak (Quercus rubra)	60'	75'	Full	Medium	The northern red oak grows in acidic, loamy, moist, sandy, well-drained and clay soils. While it prefers normal moisture, the tree has some drought tolerance.
Shagbark hickory (Carya ovata)	60'	80'	Full-Partial	Slow	Moist, well-drained soil, can be acidic or alkaline. Tolerant of dry sites, occasional drought and flooding
Kentucky coffee tree (Gymnocladus dioicus)	60'	75'	Full	Slow to Medium	Grows in acidic or alkaline soil, that is moist, wet, well drained, and sandy, loamy, or clay. extreme drought tolerance, tolerant to urban environments
Sweetgum (Liquidambar styraciflua)	60'	75'	Full	Moderate to Fast	Acid soil, Moist, well-drained soil, Wet soil, Clay soil, Occasional flooding, Road salt, Wet sites,
Tulip Tree (Liriodendron tulipifera)	70'	90'	Full	Fast, with height increases of more than 24" per year	The tuliptree grows well in acidic, loamy, moist, sandy, well-drained and clay soils. It prefers normal moisture but can tolerate drought in humid regions.
Bur oak (Quercus macrocarpa)	70'	80'	Full	Slow to Medium, with height increases from less than 12" to 24" per year	Will grow in many soil types- acidic or alkaline soil, as well as loamy, sandy, or clay soil. Grows well in wet, well-drained soil. Tolerates pollution and heat stress
Native pecan (Carya illinoensis)	70'	100'	Full	Moderate	Moist, well-drained soil, Wet soil, Alkaline soil, Occasional flooding, Wet sites
Sycamore (Plantanus occidentalis)	75'	100'	Full-Partial	Fast	Grows best in rich, wet, well-drained alkaline soil. Tolerant of acidic soil, wet sites, occasional flooding, clay soil, and road salt. Sycamore is often a natural early colonizer of disturbed sites.
Black oak (Quercus velutina)	80'	100'	Full	Slow to Medium	Thrives in well-drained, slightly acidic soil. It tolerates poor and dry soil as well.
	Shrub				
	Tree				
Websites/Sources Utilized					
https://mortonarb.org/					
https://www.olentangwatershed.org/					
Ohio Native Tree Planting Guide (FLOW)					
https://riversidenativetrees.com/					