

	Common Name Latin Name	Characteristics & Culture										
		Height/ Width	Light	Soil	Drought Tolerance	Pests/ Disease	Invasive	Fall Color	Flower Fruit	Growth Rate	Crown Shape & Density	Use in landscape
1	Pin Oak <i>Quercus palustris</i>	50-75' 35-40'	Sun	Prefers moist, acid soil – Tolerates most soils	moderate	No Minor	No	Yes	Oval nut	Fast	Pyramid Moderate	Succeeds in urban areas where air pollution, poor drainage, compacted soil, and/or drought are common
2 VS	Pecan (<i>Carya illinoensis</i>)	70-100' 40-75'	Sun	Prefers moist, well- drained loamy soil – Tolerates most soils	moderate	Yes Affects Produc- tion	No	Insigni- ficant	Oblong brown nut	Medium	Oval	Provides wide spreading shade, has brittle branches that can break under heavy load of fruit
3 VS	Cottonwood (<i>Populus deltoides</i>)	75-100' 50-75'	Sun	Range of soil types	Yes	No	Suckers	Yellow	Yellow Catkins	Fast	Vase shape with open branches	Short-lived with messy, brittle branches
4 VS	Boxelder (<i>Acer negundo</i>)	30-50' 20-40'	Sun	Range of soil types	Yes	Box- elder bug	Suckers	Yellow	Yellow- green	Fast	Irregular Spreading crown	Plain species considered a weed tree
5 DG	Bitternut Hickory (<i>Carya cordiformis</i>)	50-100' 50-100'	Full sun / pt shade	Wide range of soil types	moderate	No major disease nut weevils / borers	No	Golden Yellow	Small flowers in spring with bitter med. nut	Fast	Open Rounded top	Shade and specimen
6 DG	Loblolly Pine (<i>Pinus taeda</i>)	50-80' 30-35'	Full sun	Clay, loamy, sandy, acidic, well-drained	Moderate	Pine Bark Beetle, Borers, Pine Tip Moth, Saw Flies, Heart Rot, and Rust	Self- seeding	None	Yellow non- showy flowers in spring with oval fruit dry, hard brown cone	Fast	Oval, Open	Reclamation plant, screen, shade
7 DG	Cherrybark Oak (<i>Quercus falcata var. pagodifolia</i>)	60-80' 60-70'	Full	Loamy, sand, acidic, well drained	High	Oak wilt, none of major concern	Little if any	Copper	Brown non showy in spring with oval .5 inch brown hard cone	Medium	Oval / round Moderate density	Reclamation plant specimen shade tree
8 JK	Southern Magnolia (<i>Magnolia grandiflora</i>)	60 -80 30 - 40	Sun to part shade	Tolerates most soils	Moderate	Yes Minor	No	No	Oval fruit fragrant White flowers In spring	Medium	Pyramidal Moderate	Used as a striking garden specimen

9 JK	Sugarberry (<i>Celtis laevigata</i>)	50 -70 50- 60	Sun to part shade	Grow best in moist fertile soil	High	No Minor	Yes	Yes	Round berry	Fast	Round Moderate	Good for natural landscape setting
10 JK	Water Oak (<i>Quercus nigra</i>)	50 – 60 60 - 70	Sun to part shade	Will grow in most soil types/slightly alkaline/well drained	High	Minor Oak Wilt	No	No special winter interest	Round nut	Fast	Round/ Spreading Moderate	Succeeds in urban areas where air pollution, poor drainage, compacted soil, and /or drought are common
11 KM	American Elm (<i>Ulmus americana</i>)	70'-90' 50'-70'	Sun/ partial sun	Clay, loam, sand acidic, alkaline well drained, extended flooding	High	Many including Dutch Elm disease	No	Yes yellow	Green flower, not showy/ round green fruit	Fast	Vase Moderate	Deciduous - reclamation; successful in difficult urban areas; requires monitoring for pests/diseases; wood weak & susceptible to breakage; fruit & foliage causes lots of litter
12 KM	Sycamore (<i>Platanus occidentalis</i>)	75'-90' 50'-70'	Full sun	Clay, loam, sand acidic, alkaline well drained, wet site tolerant	High	Aphids; lace bugs; Anthracnose	No	Yes yellow	Red flower, not showy/ round, hard, brown fruit	Fast	Round; spreading; pyramidal dense shade	Deciduous - successful in difficult urban areas but very messy for yards; aggressive roots raise sidewalks; dense shade inhibits grass growth; best saved for difficult sites and offer irrigation in drought
13 KM	River Birch (<i>Betula nigra</i>)	40'-50' 25'-35'	Sun/ partial sun	Clay; loam; sand requires moisture and acidity	Moderate	No Leaf spot; chlorosis in high pH	No	Yes brown	Brown flower not showy/ long, dry brown fruit	Fast	Oval; pyramidal; upright dense shade	Deciduous - well suited for stream banks & other moist areas; not adapted to heat; not for confined tree pits or lawns in the south; short lived & large trees prone to trunk decay
14 EM	Sweetgum (<i>Liquidambar styraciflua</i>)	60'-75' 34'-50'	Sun partial sun	Clay; loam; sand; slightly alkaline; acidic; extended flooding; well-drained Tolerates wet soils, must have pH of 7 or less	Moderate	Resists most pests and disease	No but self seeds in landscape	Orange, purple, yellow, red	Green, yellow flower not showy; Brown fruit		Oval; pyramidal, Moderate shade	Deciduous – attracts wildlife, show fall color. Plant away from driveways, sidewalks and foundations due to aggressive root growth.
15 EM	Willow Oak (<i>Quercus phellos</i>)	60'-75' 40'-50'	Sun	Clay, loam, sand	High	Resist most pests & disease. Mites and scale can be troublesome	No	Yellow	Brown flower, not showy; brown, oval nut	Fast	Round, pyramidal, dense shade	Deciduous - attracts wildlife, adapts to many sites & soil types. Is a good street tree with pruning to raise canopy
16 EM	Red Mulberry (<i>Morus rubra</i>)	15' -60' 30'-45'	Sun partial sun	Clay, loam, sand Prefers moist, well-drained soils. Tolerate occasional flooding	High	Resists most pests & disease Susceptible to bacterial disease,	Yes, if wildlife not available to eat fruits	Yellow	Small, pale green flower, Fruit resembles blackberry	Fast	Round, spreading, dense shade	Deciduous – a good understory tree for shade. Attractive to birds and wildlife, plant where fruits will not cause problems. Fruit can be used for jelly & jam

						witches broom, leaf spot			ries			
17	Shumard Oak (<i>Quercus shumardii</i>)	55'-80' 40'-50'	Full sun	Clay; loam; sand; acidic; occasionally wet; alkaline; well-drained	High	Resists most pests and disease. Galls, aphids and scale appear but are not serious	No	Red to red-orange	Inconspicuous flower, oval, brown nut 1.5 inches wide	Fast	Irregular oval, somewhat narrow, open, rounded canopy,	Deciduous - attractive branch pattern adds winter interest. successfully grown in urban areas where air pollution, poor drainage, compacted soil, and/or drought are common
18	Overcup Oak (<i>Quercus lurata</i>)	30'-40' 30'-40'	Part shade to full sun	Clay; loam; sand; slightly alkaline; acidic; extended flooding; well-drained	Moderate	No pests or diseases of major concern.	Little, if any, invasive potential	Dark brown	Inconspicuous flower, brown nut .5 to 1 inch long	Moderate	Rounded silhouette with an open crown, large-diameter branches, and a twisted trunk	Deciduous - dark green, leathery, lobed leaves have fuzzy, white undersides and turn a rich brown color before dropping in fall
19	Bald Cypress (<i>Taxodium distichum</i>)	60'-80' 25'-35'	Full sun	Ideal for wet locations – will grow well in clay; loam; sand; slightly alkaline; acidic; extended flooding; well-drained	Fast	Most pest and disease do not affect long term health. Twig blight on leaves dead tips that can be pruned off. Bagworms can defoliate portions of the tree. Mites cause early leaf browning in dry summers without	Little, if any, invasive potential	Brilliant coppery red	1-3 inch fruit, brown or green.	High	Broad-topped, spreading, open specimen when mature	Deciduous - pale green, needle-like leaves turn a brilliant coppery red in fall before dropping, but the bare branches and reddish gray, peeling bark provide much landscape interest during the winter. Successfully grown in urban areas where air pollution, poor drainage, compacted soil, and/or drought are common

