



Best Practices for Roadside Trees

Digital Resources

By Dr. Allyson Salisbury

Tree Selector Tools

The Morton Arboretum Tree Selector www.mortonarb.org/trees-plants/tree-and-plant-advice/tree-species-list/filters

Arbor Day Foundation Tree Wizard <https://www.arborday.org/shopping/trees/treewizard/GetZip.cfm>

Missouri Botanical Garden
<https://www.missouribotanicalgarden.org/plantfinder/plantfindersearch.aspx>

National Wildlife Federation <https://www.nwf.org/nativeplantfinder/>

i-Tree Species <https://species.itreetools.org/selector/>

Soil Decompaction

“Soil Profile Rebuilding” By Dr. Susan Day <https://www.urbanforestry.frec.vt.edu/SRES/>

“Renovation Techniques & Tools for Soil Decompaction” By Dr. Kelby Fite
http://tcimag.tcia.org/publication/?i=613297&article_id=3460755&view=articleBrowser

Soil Texture

“Guide to Texture by Feel” From Natural Resources Conservation Service
https://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/edu/?cid=nrcs142p2_054311

“Soil Texture by Feel” Video by Kansas State Research and Extension <https://youtu.be/IOyaBxj767s>

Webinars

“Remediating Compacted Soils Compromised by Urban Construction Webinar” By Dr. Nina Bassuk
<https://treefund.org/archives/17820>

Trees for Restricted Sites (planting pits surrounded by pavement)

From The Morton Arboretum Tree Selector - Hardiness Zones 5 and 6

Native Species	Light	Height (ft)	Non-native Species	Light	Height (ft)
Ohio buckeye	F, P	20-40	Japanese lilac tree	F	20-30
River birch	F	30-40	Trident maple	F	25-35
Southern catalpa	F, P	30-40	Elm hybrids	F, P	30-60
Honey-locust	F	30-70	Crimson Spire™ oak	F	40+
Northern catalpa	F	40-60	Hybrid catalpa	F, P	40-50
Hackberry	F, P	40-60	Prospector elm	F, P	40-50
Swamp white oak	F	50-60	Lacebark elm	F, P	40-50
Shingle oak	F, P	50-60	Sycamore maple	F, P	40-60
Bald-cypress	F, P	50-70	Horse chestnut	F, P	50-75
Kentucky coffeetree	F	60-75	Japanese scholar tree	F, P	50-75
			Ginkgo	F	50-80
			Japanese zelkova	F, P	50-80
			London Planetree	F, P	55-65
			Dawn redwood	F	70-100
			English oak	F, P	75-100

Soil Salt and Salt Spray Tolerant Trees for City Parkways

From The Morton Arboretum Tree Selector - Hardiness Zones 5 and 6

Native Species	Sun	Height (ft)	Non-native Species	Sun	Height (ft)
Cockspur hawthorn	F	20-30	Peking lilac	F	15-20
Osage orange	F	20-40	Trident Maple	F	25-35
Yellowwood	F	30-50	White mulberry	F, P	30-50
Tupelo	F, P	30-50	Elm cultivars	F, P	30-60
Thornless honey-locust	F	30-70	Katsura tree	F, P	40-60
Eastern red-cedar	F	40-50	Silver linden	F, P	50-70
Northern catalpa	F	40-60	Horse chestnut	F, P	50-75
Hackberry	F, P	40-60	Ginkgo	F	50-80
Kentucky coffee tree	F	60-75	London planetree	F	55-65
Sycamore	F	75-100			