NEIGHBORWOODS "RIGHT PLANT, RIGHT PLACE" PLANT SELECTION GUIDE



COMPILED BY SAMUEL KELLEHER, ASLA April 2014

- SHRUBS -

SWEET SHRUB - CALYCANTHUS FLORIDUS



<u>Description</u>: Deciduous shrub; Native; leaves opposite, simple, smooth margined, oblong; flowers axillary, with many brown-maroon, strap-like petals, aromatic; brown seeds enclosed in an elongated, fibrous sac. Sometimes called "Sweet Bubba" or "Sweet Bubby".

Height: 6-9 ft. Width: 6-12 ft.

Exposure: Sun to partial shade; range of soil types

SASANQUA CAMELLIA - CAMELLIA SASANQUA



Comment: Evergreen. Drought tolerant

<u>Height</u>: 6-10 ft. <u>Width</u>: 5-7 ft.

<u>Flower</u>: 2-3 in. single or double white, pink or red flowers in fall

Site: Sun to partial shade; prefers acidic, moist, well-drained soil high in organic matter

YAUPON HOLLY – LEX VOMITORIA



<u>Description</u>: Evergreen shrub or small tree; Native; leaves alternate, simple, elliptical, shallowly toothed; flowers axillary, small, white; fruit a red or rarely yellow berry <u>Height</u>: 15-20 ft. (if allowed to grow without heavy pruning)

Width: 10-20 ft.

Site: Sun to partial shade; tolerates a range of soil types (dry, moist)

LOROPETALUM 'ZHUZHOU'-LOROPETALUM CHINENSE 'ZHUZHOU'



<u>Description</u>: Evergreen; It has a loose, slightly open habit and a roughly rounded to vase-shaped form with a medium-fine texture.

<u>Height</u>: 10-15 ft. <u>Width</u>: 10-15ft.

<u>Site</u>: Preferred growing conditions include sun to partial shade (especially afternoon shade) and moist, well-drained, acidic soil with plenty of organic matter

JAPANESE TERNSTROEMIA – TERNSTROEMIA GYMNANTHERA



<u>Comment</u>: Evergreen; Salt spray tolerant; often sold as Cleyera japonica; can be severely pruned. Form is upright oval to rounded; densely branched.

<u>Height</u>: 8-10 ft. <u>Width</u>: 5-6 ft.

<u>Site</u>: Sun to partial shade; prefers moist, well-drained soil; may winter burn in full sun; does not tolerate poorly drained soils

CHINESE SNOWBALL VIBURNUM - VIBURNUM MACROCEPHALUM



<u>Description</u>: Deciduous to semi-evergreen; Vase-shaped; rounded, dense shrub

<u>Height</u>: 6-15 ft. <u>Width</u>: 10-12 ft.

Site: Sun to partial shade; moist, acidic, well-drained soil

- SMALL TREES -

DOWNY SERVICEBERRY - AMELANCHIER ARBOREA



<u>Comment</u>: Deciduous; Native; fruit attracts birds; smooth, gray bark, produces the largest fruit of any serviceberry.

Height: 10-25 ft. Width: 10-15 ft.

<u>Site</u>: Sun to partial shade; prefers moist soil but will tolerate a range of soil types (dry, clay, sand, wet)

FOREST PANSY REDBUD - CERCIS CANADENSIS



<u>Comment</u>: Deciduous; Native to NC and posseses characteristically cordate green leaves that turn yellow to yellowish-orange in the fall.

<u>Height</u>: 20-30 ft. <u>Width</u>: 25.35 ft.

<u>Site</u>: Sun to partial shade; prefers moist, well-drained soil but will tolerate a range of soil types.

NATIVE DOGWOOD - CORNUS FLORIDA



<u>Comment</u>: Deciduous; Berries attract birds and squirrels; shallow root system; maroon to red fall foliage; shallow root system; native; mulch to maintain moist soil; subject to anthracnose disease if grown in western NC with high humidity, poor air circulation, and heavy shade

<u>Height</u>: 15-30 ft. <u>Width</u>: 15-20 ft.

Site: best form and flowers in light shade

JAPANESE MAPLE – ACER PALMATUM



<u>Comment</u>: Deciduous; Young leaves are sensitive to frost; not drought tolerant; most cultivars are grafted; can be grown as single or multistemmed small tree; may suffer leaf scorch with excess sun, wind, or drought.

<u>Height</u>: 15-25 ft. <u>Width</u>: 10-25 ft.

<u>Site</u>: Light, dappled shade; evenly moist, well-drained soil; protect from drying winds

SIOUX CRAPE MYRTLE – LAGERSTROEMIA INDICA 'SIOUX'



<u>Comment</u>: Deciduous; Smooth to exfoliating bark; best to prune off seed pods to promote reblooming

<u>Height</u>: 15-30 ft. <u>Width</u>: 6-15 ft.

Site: Sun; moist, well drained soil

STAR MAGNOLIA – MAGNOLIA STELLATA



<u>Comment</u>: Deciduous; Earliest of the deciduous magnolias to flower; frost sensitive; plant in protected site; tolerates heat.

<u>Height</u>: 10-20 ft. <u>Width</u>: 10-15 ft.

<u>Site</u>: Sun; range of soil types (clay, sand)

STEWARTIA, SILKY CAMELLIA – STEWARTIA MALACODENDRON



<u>Comment</u>: Deciduous; Native; Lightly striped cinnamon colored bark; fertilize sparingly; slow grower; glossy green leaves; transplant only young plants in late winter or early spring.

<u>Height</u>: 10-15 ft. <u>Width</u>: 10-15 ft.

Site: Partial shade; well drained soil; dislikes wet feet

- MEDIUM TREES -

RIVER BIRCH - BETULA NIGRA



<u>Comment</u>: Deciduous; Multi-trunk is desired; native; graceful branching; easy to transplant; best not to prune in spring- sap "bleeds"; heat tolerant; cinnamon brown, exfoliating bark; may drop some leaves during dry weather; seeds attract birds

<u>Height</u>: 40-70 ft. <u>Width</u>: 40-60 ft.

Site: Sun to partial shade; moist, well-drained soil; will tolerate damp soil

KOUSA DOGWOOD - CORNUS KOUSA



Comment: Deciduous; 2-4 in. white tapered bracts; flowers appear after leaves; blooms about 2-3 weeks.

<u>Height</u>: 20-30 ft. <u>Width</u>: 15-20 ft.

Site: Sun to partial shade; well-drained soil

LITTLE GEM MAGNOLIA – MAGNOLIA GRANDIFLORA 'LITTLE GEM'



<u>Comment</u>: Evergreen; Dwarf cultivar of Southern magnolia; Should not be planted directly under powerlines.

Height: 15-20 ft. Width: 8-10 ft.

Site: Full Sun

SWEETBAY MAGNOLIA – MAGNOLIA VIRGINIANA



<u>Comment</u>: Evergreen to semi-evergreen; Underside of leaf is blue-white to silvery; smooth bark; narrow, rounded crown; shallow roots; multistemmed; upright spreading habit; aromatic spicy leaves and twigs; fruit attracts birds; larval food for swallowtails.

Height: 10-60 ft. Width: 10-20 ft.

Site: Sun to partial shade; moist to wet soil

SOURWOOD – OXYDENDRUM ARBOREUM



<u>Comment</u>: Deciduous; Native; Variable fall color- brilliant to deep red; flowers used by bees and butterflies; seeds for birds.

<u>Height</u>: 20-30 ft. <u>Width</u>: 10-15 ft.

Site: Sun to partial shade; well drained soil but does well in dry soil

- [ARGE TREES -

GINKGO - GINKGO BILOBA



<u>Comment</u>: Deciduous; plant male trees, yellow leaves fall rapidly in fall; drought, heat, air pollution, and salt tolerant; easy to transplant; long-lived.

<u>Height</u>: 40-70 ft. <u>Width</u>: 20-40 ft.

Site: Sun; range of soil types except wet soil

BALD CYPRESS – TAXODIUM DISTICHUM



<u>Comment</u>: Deciduous; Native; good street tree; light shade; easy fall cleanup; reddish brown, fibrous bark; cypress knees produced when grown in or near water; large taproot; heat, drought tolerant; seeds eaten by birds.

<u>Height</u>: 50-100 ft. <u>Width</u>: 20-30 ft.

Site: Sun, grows in variety of soils (wet, dry, and compacted).

RED MAPLE - ACER RUBRUM



<u>Comment</u>: Deciduous; Naturally occurs in low wet sites; some air pollution tolerance; one of the first trees to show fall color; wide variation due to seedlings; easy to transplant.

Height: 40-60 ft. Width: 25-45 ft.

Site: Sun to shade; range of soil types

SUGAR MAPLE - ACER SACCHARUM



<u>Comment</u>: Deciduous; Does not do well in a restricted root zone situation; tolerates shade better than most maples; leaf scorch may develop with drought; moderate pollution tolerance.

Height: 50-75 ft. Width: 30-45 ft.

<u>Site</u>: Sun to partial shade; prefers evenly moist, well-drained soil

NUTTALL DAK - QUERCUS NUTALLII



<u>Comment</u>: Evergreen or deciduous trees; leaves alternate and simple, variously shaped in different species; pollen flowers in drooping, elongated clusters.

Height: 40-60 ft. Width: 40-60 ft.

Site: Sun; range of soil types including wet soil

RED OAK - QUERCUS RUBRA



<u>Comment</u>: Evergreen or deciduous trees; leaves alternate and simple, variously shaped in different species; pollen flowers in drooping, elongated clusters.

<u>Height</u>: 60-75 ft. <u>Width</u>: 60-75 ft.

Site: Sun; well drained soil; tolerates drought and air pollution

WHITE OAK - QUERCUS ALBA



<u>Comment</u>: Deciduous or Evergreen; Native; avoid planting near paved areas; does not withstand construction damage well; difficult to transplant; drought tolerant; strong wood; acorns eaten by birds and squirrels.

Height: 60-100 ft.

Width: 50-90 ft.

Site: Sun; prefers moist, well drained soil but tolerates a range of soil types including clay

SOURCE MATERIALS

SWEET SHRUB

- HTTP://EN.WIKIPEDIA.ORG/WIKI/FILE:CALYCANTHUS OCCIDE NTALIS1215788792.JPG
- HTTP://EN.WIKIPEDIA.ORG/WIKI/FILE:CALYCANTHUSFLORIDUSLE AF.JPG
- HTTP://WEST57DESIGN.COM/BLOG/?P=266
- http://oscaping.com/20000020/Plant/1667/Michael__L indsey Sweetshrub

CAMELLIA SASANQUA

- HTTP://UPLOAD.WIKIMEDIA.ORG/WIKIPEDIA/COMMONS/THUMB
 /1/12/CAMELLIA__SASANQUA].JPG/647PXCAMELLIA__SASANQUA].JPG.
 HTTP://EN.WIKIPEDIA.ORG/WIKI/FILE:CAMELLIA__SASANQUA].JDG
- HTTP://www.discoverlife.org/IM/I___GEW/0023/640/CAM ellia__sasanqua.___leslie__Ann.___Sasanqua___camel lia.___leaf___under.l___GEW2330.jpg, http://www.discoverlife.org/mp/20p?
- HTTPS://FACULTYSTAFF.RICHMOND.EDU/~JHAYDEN/LANDSCAP E___PLANTS/EARLY%20FALL%20WOODY%20PLANTS/CAMELLIA ___SASANQUA___YULETIDE'__NBG__03S.JPG. HTTPS://WWW.GOOGLE.COM/BLANK.HTML
- http://sjgbloom2012.files.wordpress.com/2012/04/img 0080.upg,

YAUPON HOLLY

- http://texastreeplanting.tamu.edu/Display__Onetree.a spx?tid=38
- HTTP://STRINGERNURSERY.COM/EVERGREEN SHRUBS
- http://statebystategardening.com/state.php/ga/blog
 03 summary/P30/
- HTTP://www.penick.net/digging/?p=390

|OROPETALUM '7HU7HOU'

- HTTP://PERFECT-PLANTS.COM/PRODUCT/LOROPETALUMzhuzhou/
- http://piedmontgardener.com/tag/loropetalumrubrum-var-zhuzhou-fuchsia/
- HTTP://MOMMY-IN-MOTION.BLOGSPOT.COM/
- HTTP://WWW.ONLINEPLANTGUIDE.COM/PLANT-DETAILS/1574/

CLEYERA

- HTTP://LUIRIG.ALTERVISTA.ORG/SCHEDENAM/FNAM.PHP?TAXO
 N=Cleyera+Japonica
- HTTP://COMMONS.WIKIMEDIA.ORG/WIKI/FILE.CLEYERA___JAPO NICA__ - _VILLA___MELZI___(BELLAGIO)__ -__OSCO2732.JPG
- HTTP://WWW.SUPERSODTREES.COM/TREES/CLEYERA/
- HTTP.//www.homedepot.com/p/Unbranded-3-gal-Bronze-Beauty-Clevera-55043/205065439?N=5yc1v2c5tb

CHINESE SNOWBALL VIBURNUM

- HTTP.//MSUCARES.COM/LAWN/GARDEN/MSGARDENS/03/030 407.html
- HTTP://msucares.com/lawn/garden/msgardens/03/030 407.html
- HTTP://BWISEGARDENING.BLOGSPOT.COM/2013 02 01 Archive.html
- HTTP://PLANTILUS.COM/PLANTDB/VIBUMACR/LEAVES.HTML

DOWNY SERVICEBERRY

- HTTP://DEPARTMENTS.BLOOMU.EDU/BIOLOGY/RICKETTS/AS_
 S TOOTHED P2.HTML
- HTTP.//WWW.CAS.VANDERBILT.EDU/BIOIMAGES/IMAGE/A/AMA R3-BR22595.HTM
- HTTP.//VINODPERMACULTUREBLOG.WORDPRESS.COM/SUSTAINA BLE-LIVING/PLANT-SPECIES-ASSIGNMENT/
- HTTP://WOODYPLANTS.WIKIDOT.COM/AMELANCHIER-ARBOREA

FOREST PANSY RED BUD

- HTTP://WWW.NWNURSERIES.COM/GALLERY.HTML
- HTTP://PHSBLOG.ORG/2011/04/11/CASEYS-TREE-OF-THE-MONTH-EASTERN-REDBUD/
- HTTP://WWW.WILDFLOWER.ORG/PLANTS/RESULT.PHP?ID___PLA nt=CFCA4
- HTTP://WWW.CAROLINANATURE.COM/TREES/CECA.HTML
- HTTP://TEXASTREEPLANTING.TAMU.EDU/VIEWALLTREES.ASPX?L FT=R
- HTTP.//WWW.THISGRANDMOTHERSGARDEN.COM/2011/05/OUR-SPRING-HAS-SPRUNG.HTML
- HTTP://www.meridian.k[2.il.us/Middle%20\$chool/studen t work/patton trees/redbud.html

NATIVE DOGWOOD

- HTTP://COMMONS.WIKIMEDIA.ORG/WIKI/FILE:CORNUS__FLORI
- http://commons.wikimedia.org/wiki/file:cornus_flori da_003.JPG
- HTTP://WWW.CRS.VANDERBILT.EDU/BIOIMAGES/IMAGE/C/COFL 2-LF1]243.HTM

JAPANESE MAPLE

- HTTP://EASTTEXASGARDENING.TAMU.EDU/HOMEGARDENS/COLO B/JAPANESEMAPLES.HTML
- http://www.123rf.com/photo__11935145__lone-Japanese-maple-tree-with-orange-colored-leaves.html
- HTTP://WWW.ILIKEWALLPAPER.NET/IPAD-WALLPAPER/JAPANESE-MAPLE/5763
- HTTP://4.BP.BLOGSPOT.COM/_UM|VY|UQP__HA/TSCWM\$5F IH|/AAAAAAAAESU/OZL4EQIA5JQ/\$1600/COBAL+BARK+JAPA NESE+MAPLE3.JPG.

SIOUX CRAPE MYRTLE

- HTTP.//WWW.OLINDANURSERIES.COM.RU/WWW/CONTENT/DEFAU Lt.rspx?cid=1265&fid=693
- HTTP.//BENARIMCDONALD.WORDPRESS.COM/2011/05/22/THE-PERFECTLY-SHADED-SIDEWALK/
- HTTP://THERADIOBLOG.MARTHASTEWART.COM/2010/04/WILLI AMSBURG-GARDEN-TOUR-HIGHLIGHTS.HTML
- http://hshleighburroughs.blogspot.com/2010__08__0
 hrchiye.html

STAR MAGNOLIA

 HTTP.//WWW.DENNIS7DEES.COM/2013/03/06/ROYAL-STAR-MAGNOLIA-THE-EMPRESS-OF-THE-SPRING-GARDEN/

- HTTP://GOVERNORSVILLAGE.ORG/2013/02/12/A-BEAUTIFUL-DAY-IN-THE-PARK/MAGNOLIA-STELLATA-STAR-MAGNOLIA-SE-OF-TENNIS-COURT-2/
- HTTP://GOVERNORSVILLAGE.ORG/2013/02/12/A-BEAUTIFUL-DAY-IN-THE-PARK/MAGNOLIA-STELLATA-STAR-MAGNOLIA-SE-OF-TENNIS-COURT-4/
- HTTP://AGARDENFORALL.COM/2012/12/15/STELLAR-STELLATA/
- HTTP://TREETOURS.BYU.EDU/TREE__LANDSCAPE.ASPX?TOUR ORDER=22

STEWARTIA

- HTTP://WWW.NCWILDFLOWER.ORG/IMAGE GALLERIES/EV/
- HTTP://WWW.FLICKB.COM/PHOTOS/TGPOTTERFIELD/90369580 17/
- http://www.plantillustrations.org/illustration.php?id illustration=175942

RIVER BIRCH

- HTTP://WWW.PLANTSMEN.COM/? ESCAPED FRAGMENT = BETULA-NIGRA---RIVER-BIRCH/ZOOM/C]ALB/17PAG
- HTTP://WWW.CAS.VANDERBILT.EDU/BIOIMAGES/SPECIES/BENI.
 HTM

KOUSA DOGWOOD

- http://www.pulsarecard.com/r_cornus_kousa_[c hinese dogwood] 40245.html
- HTTP://WWW.GHHF.ORG/PHOTOSCORNUSKOUSA?.HTML
- http://www.ghhf.org/images/dogwoods/Cornuskousa/B /Dware%20Pink%201.jpg
- HTTP://www.solitair.be/en/category/meerstammen/corn us/
- http://arcadianabe.blogspot.com/2012/09/kousadogwood-another-urban-wonder.html

ITTLE GEM MAGNOLIA

- HTTP://WWW.SHARPTREEFARM.COM/PHOTOGALLERY4.HTM
- http://www.whatgrowsthere.com/grow/2012/06/01/dwa rf-southern-magnolia-cultivars/
- http://www.monrovia.com/plantcatalog/plants/1820/dwarf-southern-magnolia/

SWEETBAY MAGNOLIA

- HTTP://GEORGEWEIGEL.NET/PLANT-OF-THE-WEEK-PROFILES/TREES/SWEETBAY-MAGNOLIA-2
- http://en.wikipedia.org/wiki/Wikipedia.featured__pictu re__candidates/file.\$weetbay__Magnolia__Magnolia virginiana flower Gloseup 2242px.jpg
- HTTP://VIRTUALNATURECENTER.WEEBLY.COM/SWEETBAY-MAGNOLIA-MAGNOLIA-VIRGINIANA.HTML

Sourwood

- HTTP://WWW.NATURALLANDSCAPESNURSERY.COM/OXYDENDRU M.HTMI
- HTTP.//DAVESGARDEN.COM/GUIDES/PF/SHOWIMAGE/57138/

- HTTP://COMMONS.WIKIMEDIA.ORG/WIKI/FILE:GINKGO__TREE \(\Omega=1\)-\(\Om
- HTTP://www.onlinetrees.com.au/p/4100690/gingkobiloba---maiden-hair-tree-ginko-tree-.html
- HTTP://ETC.USF.EDU/CLIPPIX/PICTURE/GINKGO-FAN-SHAPED-LEAVES.HTML
- HTTP://WWW.BOUNTIFUL-FARMS.COM/?PAGE=2010

RALD CYPRESS

 HTTP://WWW.CAS.VANDERBILT.EDU/BIOIMAGES/SPECIES/TADI 2.HTM

RED MAPLE

- http://www.schichtels.com/deciduous__shade___or namental trees
- HTTP://WWW.IMAGEJUICY.COM/IMAGES/FRUITS/P/PAWPAW/]
 4/
- http://getyourbotanyon.blogspot.com/2010/10/pinkunderbelly-of-red-maple-acer.html
- HTTP://WWW.SCHICHTELS.COM/DECIDUOUS_SHADE_OF
 NAMENTAL TREES
- HTTP://COMMONS.WIKIMEDIA.ORG/WIKI/FILE: ACER__RUBRUM
 MORRIS ARBORETUM DSCOOSO4.JPG
- http://commons.wikimedia.org/wiki/file:\(\textit{acer}\)_rubrum
 __inflorescence
 __01.JP\(\textit{b}\)

SUGAR MAPLE

- HTTP://EN.WIKIPEDIA.ORG/WIKI/ACER SACCHARUM
- HTTP.//WWW.FLORAFINDER.COM/SPECIES/ACER___SACCHARUM
 .PHP
- HTTP://www.cas.vanderbilt.edu/bioimages/species/acsa 3.htm

NUTTALL OAK

- HTTP://ARBORETUM.AGNESSCOTT.EDU/BLOG/GUS-COCHRAN/
- HTTP://WWW.BIRCHFLEETNURSERIES.CO.UK/QUERCUS.HTM

RED OAK

- HTTP://WWW.THEHOMESTEADNURSERY.COM/PHOTO.HTML
- HTTP://MILLERNURSERY.COM/MN/ENCYCLOPEDIA/QUERCUS-RUBRA/
- HTTP://USINGGEORGIANATIVEPLANTS.BLOGSPOT.COM/2011/10 /NATIVE-FALL-FOLIAGE-ORANGEREDPURPLE.HTML
- HTTP://www.cas.vanderbilt.edu/bioimages/species/quru
 .htm

WHITE OAK

- HTTP://WWW.CAS.VANDERBILT.EDU/BIOIMAGES/SPECIES/QUAL.
 HTM
- HTTP://WWW.JCHILLTREEFARMS.COM/[]ECIDUOUS.HTM

PLANT INFORMATION TAKEN FROM: http://plants.ces.ncsu.edu/plants/category/all/