



RUTGERS
THE STATE UNIVERSITY
OF NEW JERSEY

Newark Street Tree ID **Part 2**



Jean Epiphani
Agriculture & Natural Resource County Agent / Assistant Professor
 NJ LTR #092 - ISA NJ-12474
 Rutgers Cooperative Extension - Essex County

Funding for this program was provided by the USDA Forest Service

Newark Street Tree ID Part 2

TALLER TREES

- Ginkgo
- OAKS
- Red Oak Group vs White Oak Group
 - Northern Red Oak
 - Pin Oak



SHORTER FLOWERING TREES

- Japanese Cherry
- Callery Pear
- Eastern Redbud








Ginkgo – *Ginkgo biloba*

KEY FEATURES

ARRANGEMENT: Alternate

LEAVES: fan-shaped, thick, fan-like veins, often w/ central notch, yellow fall color

BUDS: Broadly conical – dome-shaped, w/ age develops spurs

TWIGS: light brown turning grey, slight zig-zag

BARK: tan to grey irregular ridges & furrows

FLOWERS: 1" long catkins, green, spring

FRUIT: Males are mostly planted because females have VERY STINKY fruit

FORM: Canopy Shade Tree

MALE → FLOWERS



FRUIT



FORM




BARK VARIATION




Oaks

LEAVES

- Alternate
- Often lobed
- Thick feel



CAN HOLD ON TO BROWN LEAVES IN WINTER

Tree is still alive!

LEAF BUDS

- Alternate
- Clustered terminal buds w/ Scales



FLOWERS

- Hanging clusters
- Yellow-green
- Mid-spring



BARK

- Grey
- Young = Smooth
- Old = Textured, usually w/ ridges & furrows
- Thickness depends on species



FRUIT

- Acorns



TWIGS

- Alternate
- Usually Straight & Glossy



Red Oak Group VS White Oak Group

LEAVES

- Pointed Lobes
- Bristle Tips



LEAVES

- Rounded Lobes
- NO Bristle Tips



Northern Red Oak - *Quercus rubra*

FORM



BARK - SKITTERY



OLD BARK



LEAVES



BUDS & TWIG



FLOWERS



FRUIT - ACORN



KEY FEATURES

ARRANGEMENT: alternate

LEAVES: Pointed lobes w/ bristle tips, glossy green, reddish to brown in fall

BUDS: pointed w/ scales, frosty edges of scales at tip, clustered terminal buds

BARK: grey to grey brown

Young - smooth

Middle-aged - "kit trails" flat ridges & darker furrows

Old bark - thicker, chunkier, & irregular

FLOWERS: pendulous, yellow-green

FRUIT: 1/2-1" long, nut almost round, cap like a beret

FORM: Canopy Shade Tree

Pin Oak - *Quercus palustris*



YOUNG BARK



BUDS & TWIG



LEAVES



FLOWERS



FRUIT - ACORN



PIN OAK vs RED OAK

KEY FEATURES

ARRANGEMENT: alternate

LEAVES: Pointed tips w/ bristles, narrow pointy lobes, deeply "cut" - large space between lobes, glossy, green, reddish to brown in fall

BUDS: pointed w/ scales, dusted red terminal buds, lateral buds smaller

BARK: grey to tan-grey - light
 Young - developing wavy vertical striations
 Mature - wavy tight ridges, not chunky like other oaks

FLOWERS: pendulous, yellow-green

FRUIT: Small Acorns 1/2" long, nut w/ vertical striations cap thin, atop nut like a small beret

FORM: Canopy Shade Tree, straight trunk,
 - top branches point upwards
 - middle horizontal
 - lower downwards

SEE NEXT SLIDE

Pin Oak - *Quercus palustris*

FORM

STRAIGHT TRUNK






TOP BRANCHES POINT UPWARDS

MIDDLE HORIZONTAL

LOWER DOWNWARDS

Japanese Cherry - *Prunus serrulata*



BUDS & TWIG



TWIG, BUD, PETIOLE GLANDS



FLOWERS



LEAF



FORM



BARK

KEY FEATURES

ARRANGEMENT: Alternate

LEAVES: Glossy, oval with pointed tip (ovate), Serrated margin, alternate venation
Petioles have obvious glands, often reddish

BUDS: Glossy, reddish brown, scales, cone-like

TWIG: Light brown to reddish turning grey, obvious lenticels

BARK: Grey, thin, horizontal lenticels w/ orange

FLOWERS: Very showy, pink, spring

FRUIT: small round cherry, some varieties fruitless

FORM: Small tree, spreading crown, dense branching

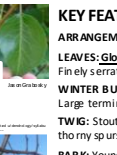
Callery Pear - *Pyrus calleryana*



FORM



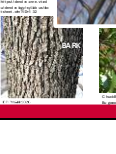
LEAVES



WINTER BUDS



THORN SPURS



BARK



FRUIT

KEY FEATURES

ARRANGEMENT: alternate

LEAVES: Glossy, white mid-vein, oval to heart-shaped, finely serrate to crenate margin

WINTER BUDS: Whitish woolly hairs, Large terminal bud

TWIG: Stout, glossy brown, lenticels, thorny spurs common

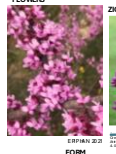
BARK: Young - brown, smooth w/ lenticels
Mature - greyish brown, scaly ridges

FLOWERS: White flowers, unpleasant scent, spring

FRUIT: brown, round

FORM: Small tree, dense crown, poor branching structure that can result in breakage

Eastern Redbud – *Cercis canadensis*



FLOWERS



ZIGZAG TWIG



LEAVES



FORM



BARK



LEAVES & FRUIT - PEAPODS

KEY FEATURES

ARRANGEMENT: Alternate

LEAVES: heart-shaped, green or red to purple, leaf color depends on variety, Yellow or Orange fall color

BUDS: leaf buds inconspicuous & tiny, flower buds round, in clusters on branches

TWIG: Sleender, zigzag, dark w/ light dotted lenticels, branches dark or light grey

BARK: Young - smooth grey
Mature - grey to orangey brown, scaly

FLOWERS: Showy, pink, flowers before leaf out

FRUIT: pea pods, some varieties seedless

FORM: Small tree, dense crown, often w/ twisted trunk, spreading branches

CLOSE YOUR WORKBOOKS

CHECK YOUR ID SKILLS!