



# *Celtis occidentalis*

## Common Hackberry

### Ulmaceae

Located in back of W.B. Young

- leaves alternate, roughly cordate, serrated margins
- leaves medium green, oblique leaf base
- terminal buds absent
- lateral buds small, imbricate
- stems slender, with prominent lenticels
- fruit is a shiny, pendant drupe, green-purple
- bark corky, thick, ridged, with fine lines on surface
- habit is a pyramidal-rounded tree

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# *Quercus palustris*

Pin Oak

Fagaceae

Located next to Rackliffe Hicks arena facing Rt. 195.

- leaves alternate, with 5-7 lobes, lobes have many sharp points
- leaf sinuses (between lobes) are U-shaped
- leaf sinuses extend nearly to the midrib, giving leaf a dissected, finely textured look
- buds imbricate, sharp-pointed, clustered at stem tip
- stems smooth, slender, green-brown
- bark rather smooth, gray, with shallow furrows with age
- fruit is an acorn, small and rounded, with a thin cup that only covers very top of fruit
- habit is pyramidal with a strong central leader
- branching pattern is very distinctive: lower branches droop, middle branches are horizontal and upper branches ascend

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# *Quercus rubra*

Red Oak

Fagaceae

Located in front of Storrs Cong.  
Church along N. Eagleville Rd.

- leaves alternate, with 7-11 lobes that have many points
- leaf lobes are wider than *Q. palustris*
- leaf sinuses are not as deeply cut as *Q. palustris*
- leaves glossy dark green, reddish in fall
- buds imbricate, somewhat pointed, red-brown, hairy
- stems smooth, green to red-brown
- bark brown-black, with ridges and deep furrows
- fruit an acorn, larger than *Q. palustris*, covered at the base by cup
- fruit cup (involucre) is thick and rounded, protruding beyond fruit
- habit is a rounded tree, without the drooping lower branches of *Q. palustris*

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# *Quercus robur*

## English Oak

### Fagaceae

Located in front of St. Mark's Church  
along N. Eagleville Rd.

- leaves alternate, with 3-7 rounded lobes at the end of veins
- leaf sinuses are very shallow (compare to *Q. alba*)
- leaves are generally smaller than *Q. alba* (2"-5" long)
- leaves often have distinctive ear-like auriculate appendage at base of blade
- buds rather large, plump-rounded, red-brown
- stems smooth, red-brown, angled
- fruit an acorn, on a stem (unlike *Q. alba*)
- fruit long (to 1"), covered by cup to about 1/3 of length
- bark furrowed, gray-black
- habit a large, rounded tree

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# *Maclura pomifera*

## Osage Orange

### Moraceae

Located between near small pond in front of new chemistry building.

- leaves alternate, simple, oblong with a pointed tip, cordate base
- leaves glossy bright green
- buds small, brown
- stems smooth, with prominent spines
- stems release white sap when broken
- bark scaly, fissured, ropey texture
- inner bark is colored orange
- fruit is a large, brain-like, yellow-green aggregate fruit
- habit is a large shrub to small tree

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*Myrica*  
*pensylvanica*  
Northern Bayberry  
Myricaceae

Located in front of chemistry building  
by small lake.

- leaves alternate (often appearing whorled at stem tips)
- leaves oblong-elliptic, deep green, leathery, with some points toward tip
- leaves aromatic when crushed
- leaves may be semi-evergreen, but are usually deciduous
- buds small, darker than stem, arranged all around stems
- buds also clustered at stem tip
- stems & bark smooth and gray
- fruit is a glaucous blue berry, appearing tightly along stems
- fruit is only found on female plants
- habit is an upright, mounded shrub
- plant suckers to form colonies

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*Quercus*  
*imbricaria*  
Shingle Oak  
Fagaceae

Located on side of Wilbur Cross Bldg.

- leaves alternate, simple and unlobed to 6" long
- leaves unusual among campus oaks in being simple
- leaves glossy deep green, reddish in fall
- leaves are often held through winter (brown)
- buds imbricate, sharp-pointed, brown
- stems angled, green-brown, glossy
- fruit an acorn, very small, with reddish cup covering about half the fruit
- habit is a medium-size tree, pyramidal-upright
- lower branches of tree often droop down (similar to *Q. palustris*)

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# *Fagus sylvatica*

## European Beech

### Fagaceae



Located on side of Hall Dorm near Asian American Cultural Center.

- leaves alternate, broad ovate, glossy dark green
- leaves margins wavy, smooth (compare to *F. grandifolia*)
- leaf veins do not end in bristle, only 5-10 present (compare to *F. grandifolia*)
- leaf color may differ due to abundance of purple-leaf cultivars; also, cut-leaf forms are common
- buds imbricate, conical, pointed
- stems slender, with zig-zag pattern
- bark smooth, silvery
- fruit is a nut held in a woody, bristly involucre
- habit is a large tree with spreading branches
- tree has a "muscular"-look, with a trunk resembling an elephant's foot

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*Fagus*  
*grandifolia*  
American Beech  
Fagaceae

Located on side of Hall Dorm.

- leaves alternate, ovate, ending in acuminate tip
- leaves glossy deep green, with 10-15 veins (more than *F. sylvatica*)
- leaf veins more pronounced than *F. sylvatica*, ending in point with bristle tip
- leaf margins serrated, unlike *F. sylvatica*
- buds large, narrow, conical, pointed
- stems thin, zig-zag
- bark smooth, silvery-gray
- fruit is a nut enclosed by a prominent prickly husk (involucre)
- habit is a large tree with spreading branches
- tree has a "muscular"-look, like an elephant's foot

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# *Zelkova serrata*

## Japanese Zelkova

### Ulmaceae

Located in front of Hall building by  
Fairfield Way.

- leaves alternate, ovate, with jagged serrations along margin
- leaves glossy green in summer, red-orange in fall
- leaves have oblique leaf base
- buds imbricate, pointed, plump, diverging from stem
- flower and fruit usually not seen
- stems brown, slightly hairy with age, smooth when older
- bark distinctive, orange-brown with horizontal lenticels
- bark peels with age to some degree; attractive
- habit vase shaped, distinctly upright with lateral branches grouped close together

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*Comptonia  
peregrina*  
Sweetfern  
Myricaceae

Located in the Pharmacy Garden along wall.

- leaves alternate, narrow-lanceolate, bright green
- leaves resemble fern fronds, with pinnatifid crenate margins
- leaves very fragrant when brushed
- buds small, hairy, round, imbricate
- stems brown, hairy, resinous, aromatic
- flowers are catkins, often visible over winter
- fruit is a green-brown, bur-like nut
- habit is a small, suckering shrub
- plant frequently forms colonies
- plant blackens with first frost

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# *Carya ovata*

## Shagbark Hickory

### Juglandaceae

Located in front of Frat House #24,  
along road.

- leaves alternate, odd pinnate, with 5 or 7 leaflets
- leaflets deep green, serrated margins, elliptical
- terminal bud large, imbricate, brown
- fruit is a nut enclosed in a 4-valved, green husk
- flowers are catkins in spring
- bark peels in long vertical plates
- bark plates are attached at the center, free at both ends; hence the "shaggy" look
- habit is a large tree with a straight trunk and shape that is often irregular

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# *Morus alba*

## Common Mulberry

### Moraceae

Located in side yard of dean's rental house off 195.

- leaves alternate, deep green, serrated margin
- leaves are variable in shape, can be "mitten-shaped" with 0-3 lobes, similar to *Sassafras albidum*
- buds small, imbricate
- stems slender, smooth
- stems release white latex when broken
- fruit resembles a raspberry, turning from green to purple
- bark is rough, with irregular ridges and furrows
- habit is an irregular, rounded tree
- tree is messy, often dropping litter
- tree is weedy, often appearing as volunteer seedlings in waste places

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# *Morus alba* 'Pendula'

## Weeping Mulberry

### Moraceae

Located on the great lawn along 195,  
near the top along the slope.

- see listing under *Morus alba*, as most features are identical
- this is a grafted weeping form with brittle, stiff pendulous branches that form an umbrella
- the plant may or may not produce fruit
- plant lacks the oblique leaf bases and sandpapery leaf texture of *Ulmus x vegeta* 'Camperdownii'

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# *Quercus alba*

## White Oak

### Fagaceae

Located at top of Great Lawn near flagpole and old chemistry building.

- leaves alternate, 4"-9" long, with 5-9 deep lobes that are rounded
- leaves generally larger than *Q. robur*
- leaf sinuses (between lobes) extend nearly to the midrib, deeper than *Q. robur*
- leaf lobes lack any pointed serrations
- leaves are blue-green, reddish in fall
- leaf base is very narrow
- buds small, clustered at twig tip, imbricate, red-brown
- stems brown-purple, angled, sometimes with a bluish bloom
- fruit an acorn, without stalk, covered 1/3 of length by involucre (compare to *Q. robur*, with stalked acorns)
- bark distinct light gray, with small blocks or fissures/furrows
- habit is a pyramidal to open-rounded large tree

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