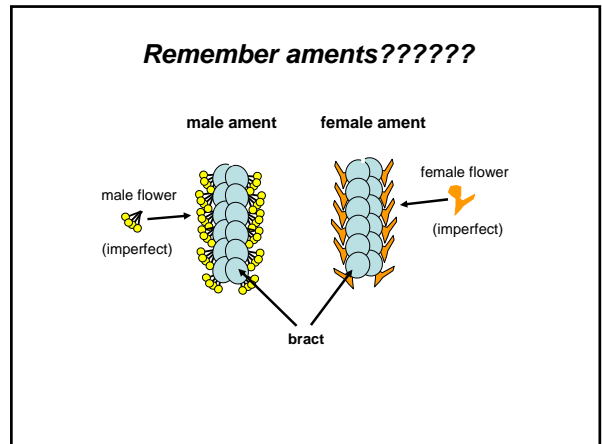


### SPECIES LIST 4

A? G?	<b>FAMILIES:</b>	<b>GENERA:</b>
}	Betulaceae	<i>Betula</i> <i>Alnus</i> <i>Corylus</i>
	Magnoliaceae	<i>Magnolia</i> <i>Liriodendron</i>
	Lauraceae	<i>Umbellularia</i> <i>Sassafras</i>
	Platanaceae	<i>Platanus</i>
	Ericaceae	<i>Arbutus</i> <i>Gaultheria</i> <i>Vaccinium</i>



## BETULACEAE

**KEY FEATURE**

Preformed male aments

*Betula pendula*

female ament is usually not preformed

## BETULA

**KEY FEATURES**

Female aments with leathery, deciduous bracts

Thin, usually peeling bark

bract      stigma

bract      stigma

bract

young female ament



### BETULA-- other

**Tend to grow in the sun**  
(excurrent, fast growing, many seeds)

*Betula pendula*  
Belarus (Belo-Russia)

### ALNUS

**KEY FEATURES**

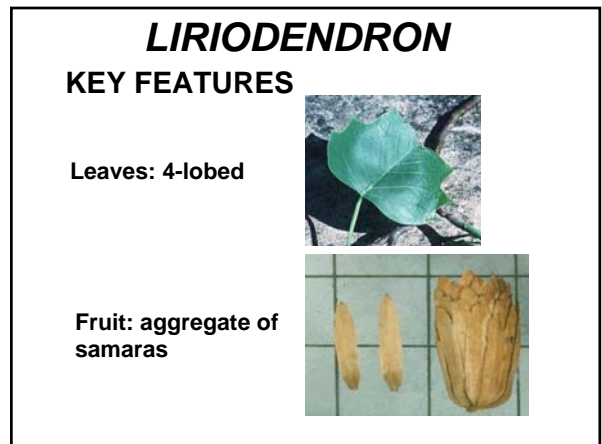
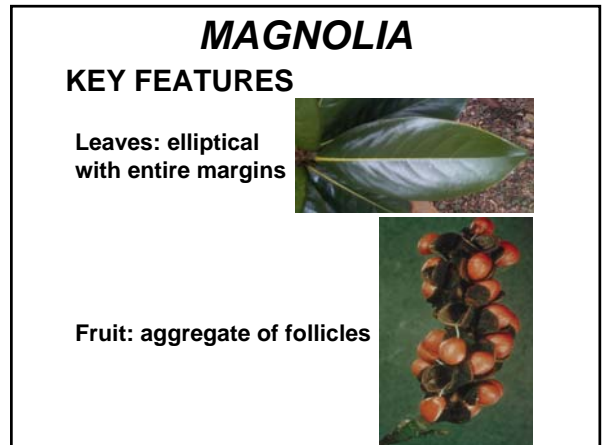
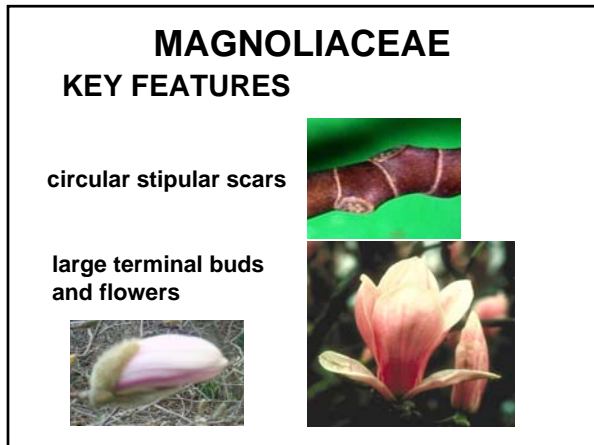
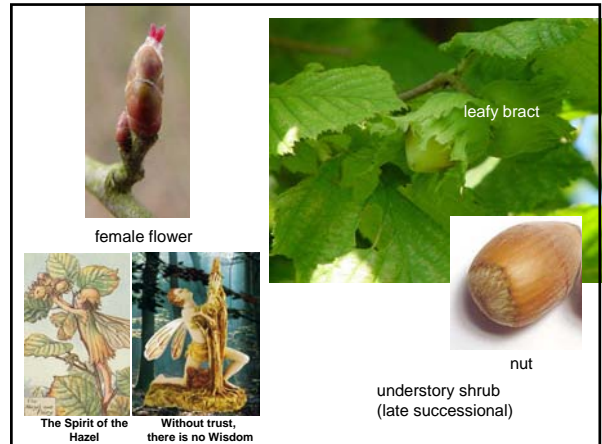
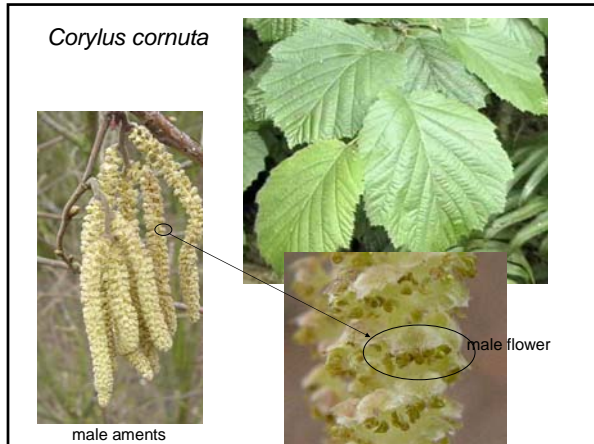
Female ament with persistent, woody bracts

*Alnus rubra*

Riparian (not with *Populus trichocarpa*)

(*Alnus rubra*: excurrent, fast growing, many seeds)

root nodules



*Liriodendron tulipifera*



## ERICACEAE

### KEY FEATURES

Flowers: bell-shaped with fused corolla (most)



## ARBUTUS

### KEY FEATURES

Growth form: tree

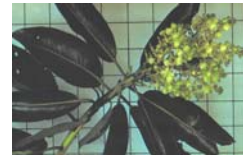


## ARBUTUS MENZIESII

Bark: thin, red/green, exfoliating



Flowers: in panicles



## Genus: *Gaultheria*

### KEY FEATURES

Flowers: "typical"



Leaves: broad, oval, evergreen



## Genus: *Vaccinium*

### KEY FEATURES

Flowers: "typical"




Leaves: small, elliptical, persistent or deciduous

**LAURACEAE**

**KEY FEATURES**

aromatic: spicy

(undifferentiated perianth)




Dioscorea californica  
Eatonville  
David G. Carr

**UMBELLULARIA**



**KEY FEATURE**

Leaves: persistent, elliptical, entire




**UMBELLULARIA... other**

Fruit: drupe-like

Deliquescent form



**UMBELLULARIA**

Wood used for carving, turning

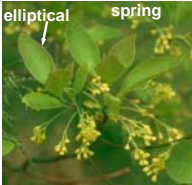


**SASSAFRAS**


**KEY FEATURE**

Leaves: polymorphic

elliptical      spring



fall



3-lobed      mitten shaped

*Sassafras albidum*

rootbeer




C Hires

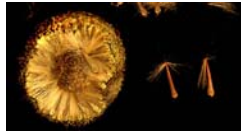




# PLATANACEAE



alternate, palmately lobed leaves



fruit: head of achenes

## PLATANUS HYBRIDIZATION



**P. orientalis** Europe  
**P. x acerifolia**  
**P. occidentalis** North America  
**(P. orientalis x P. occidentalis)**

