## **GLOSSARY**

Terminal Bud: The bud formed at the tip of the twig-

**False Terminal Bud:** A lateral bud that assumes the function of the terminal bud. When the growing tip withers or falls away, the closest lateral bud to the twig tip substitutes as a terminal bud



Note the part of the branch from last year's growth that extends beyond the base of the bud.

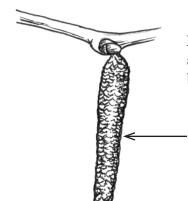


**Bud Scales:** Small scale-like structures that are modified leaves covering the bud during its winter dormancy

**Lateral Bud:** The buds formed on the side – of a twig, not the bud at the end of the twig

Leaf Scar: A scar left on the twig when the leaf falls

**Vascular Bundle Scars:** A small mark on a leaf scar indicating a point where a vein from the leaf was once connected with the stem

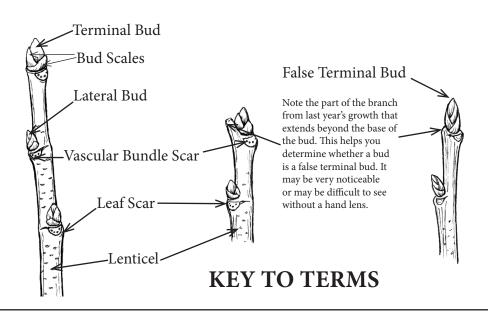


**Lenticel:** A small corky area or speck serving as a breathing pore

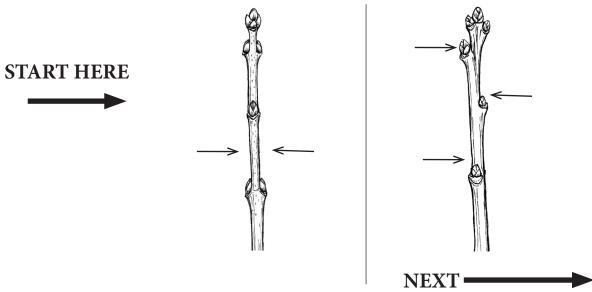
Catkin: A dense, cylindrical, often drooping cluster of flowers

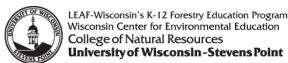
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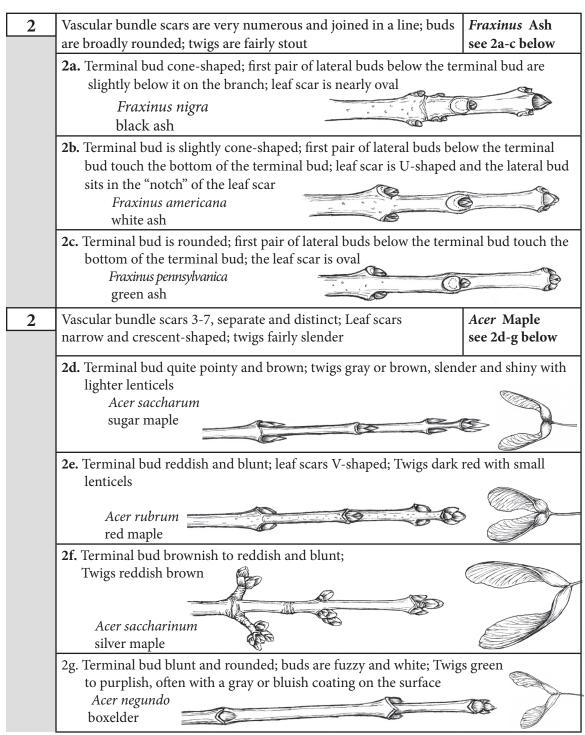
## WINTER TREE IDENTIFICATION KEY

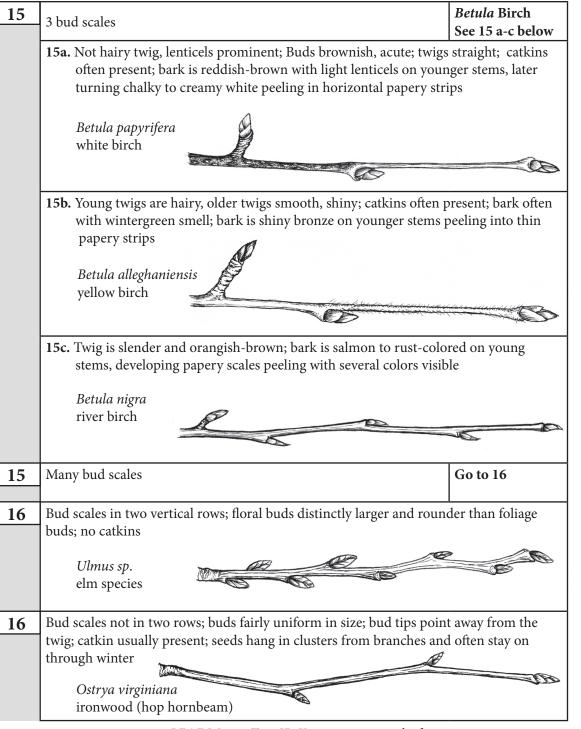


**1.** Leaf scars opposite...Got to 2 OR **1**. Leaf scars alternate...Go to 3

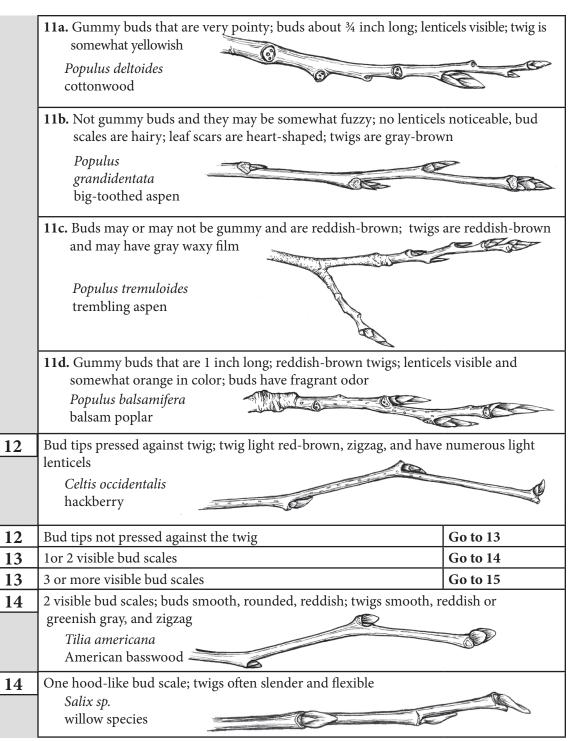








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Twigs zigzag, red-brown, and armed with paired spines near the leaf scar Robinia pseudoacacia black locust Go to 4 Twigs without spines Leaf scars are densely clustered on very short peg-like spur branches; twigs slender and light brown Larix laricina tamarack Leaf scars scattered along more or less elongate twigs Go to 5 Terminal bud present Go to 6 Terminal bud absent (false terminal bud) Go to 12 Buds crowded near tip of twig **Ouercus Oak** See 6a-f 6a. Short rounded buds; hairless; acorns are oblong and cap covers ¼ of the nut Ouercus alba white oak **6b**. Twig is quite stout, yellow-brown and may have corky ridges; buds are small and rounded and may be a bit fuzzy; acorns are large and cap covers ½ of the nut and have fringe around the edges Quercus macrocarpa bur oak **6c.** Twig is light brown; buds are short and rounded; acorn is 1 inch long and cap covers 1/3 of the nut Quercus bicolor swamp white oak

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-	with a flat cap th	ds are tall and som hat covers less than	_			
enclose Quercus	lender red-brov 1/3 to ½ of the ellipsoidalis n pin oak	vn and shiny; buds nut	s are pointed	; acorns have caps	s that	
fuzzy; a of the so	corns have cap cales on the cap velutina	rown to grey-gree that covers ½ to 1, appear loose		-	, pointed and	
6a.	6b.	6c.	6d.	6e.	6f.	
white oak Quercus alba	bur oak Quercus macrocarpa	swamp white oak Quercus bicolor	red oak Quercus rubra	n. pin oak Quercus ellipsoidalis	black oak Quercus velutina	
Buds not ci	rowded near tip	of twig		Go to 7		

7	Leaf scars heart shaped	Go to 8
7	Leaf scars other than heart-shaped or are inconspicuous	Go to 9
8	Twigs stout with numerous light lenticels; buds large, conspicuous; la slightly hairy; fruit has a tan husk that is distinctly 4-ribbed; bark "sh	_
	Carya ovata shagbark hickory	
8	Twigs stout and light brown; Buds gray and fuzzy; leaf scar described	' 1
	Pith chambered; fruit has green husk that contains a round, black nu	t and the second
	Juglans nigra	
	black walnut	
9	Leaf scar inconspicuous, buds narrow, acute, ¾ to 1 inch long, lance-	shaped; Many bud
	scales and they overlap; twigs slender and zigzag	- '
	$\mathcal{A}$	
	Fagus grandifolia	
	beech	
9	Leaf scars visible although not all large	Go to 10
-	More than 3 vascular bundle scars; Buds dark red and sticky	00 to 10
10	•	
	Sorbus americana American mountain-ash	
	American mountam-asii	
10	3 vascular bundle scars or scars not distinct	Go to 11
11	Vascular bundle scars often not distinct; leaf scars small and semi-circu	ılar; buds are small
	with glossy scales; twigs reddish brown to gray usually with short spur s	hoots on older
	growth; twigs sometimes bitter-almond taste	
	Prunus serotina	
	black cherry	
11	Vascular bundle scars 3 distinct dots; Leaf scars nearly semi-circular;	Populus see 11a-d
	Bud scales finely hairy, buds sometimes sticky; twigs without flavor	Next Page
	Bud sealed lifely fiding, budd sometimes stickly, twigs without haver	110211 1 1180