

DIAMETER OF TREE (INCHES)		6	8	10	
TREE SCALE STICK		1 16-FOOT LOG		38	48
INTERNATIONAL RULE FC 79		2 16-FOOT LOGS		61	79
HOLD STICK LEVEL AGAINST TREE 23 INCHES		3 16-FOOT LOGS		(BOARD FOOT VOLUME)	
FROM EYE AND 4 1/2 FEET ABOVE GROUND ON		4 16-FOOT LOGS		77	101
UPHILL SIDE OF TREE.		5 16-FOOT LOGS			
<small>STAND 66 FEET FROM TREE, HOLD STICK STRAIGHT UP AND DOWN 23 INCHES FROM EYE. SIGHT THIS END AT STUMP HEIGHT.</small>		NUMBER OF 16 FOOT LOGS			

A

	12	14	16	18	20	22	24	26	
58	70	82	95	108	124	140	158	176	196
96	117	138	161	183	212	240	273	305	342
124	153	182	214	246	286	325	370	414	464
141	176	211	252	292	340	388	442	496	559
							561	636	710
								793	875
								961	1046
								1144	

B

C

	28	30	32	34	36	38	40	IL 4-H FORESTRY JUDGING CONTEST								
357	385	413	444	474	506	538	570	602	638	674	712	750	http://forestryjudging.nres.uiuc.edu 23 inch reach stick			
635	686	737	793	848	907	966	1027	1087	1154	1220	1293	1365				
877	949	1020	1101	1181	1265	1349	1435	1521	1621	1720	1822	1923				
1061	1148	1235	1338	1440	1544	1647	1754	1860	1981	2101	2232	2362				
1242	1350	1458	1572	1685	1809	1932	2061	2189	2339	2488	2632	2775				

D

Cut out each section of the tree scale stick on the outside edge of the black line. The scale stick is designed to fit on a yardstick. Apply rubber cement to the back of each section of the scale stick and stick it on the yardstick. Align the zero end of the scale stick flush with the zero end of the yardstick. Butt ends A & B of the scale stick together. Butt ends C & D together. When the scale stick is mounted on the yardstick, cover the scale stick and yardstick with clear contact paper. This will protect the scale stick against moisture and wear. Clear contact paper is available from K-Mart, WalMart, Target, etc.

The numbers (6 through 40) at the top edge of the stick represent even diameters. The line between each number represents the odd diameters (17, 19, 21, etc.) The numbers (1 through 5) on the bottom side of the stick represent 16-foot logs that can be cut from the tree. The line between each of these numbers represents a half-log.

The black numbers below each diameter measurement are the number of board-feet that can be cut from a tree with that specific diameter and number of 16-foot logs.