

<b>DIAMETER OF TREE (INCHES)</b>		<b>6</b>	<b>8</b>	<b>10</b>	
<b>TREE SCALE STICK</b> <b>INTERNATIONAL RULE FC 79</b> HOLD STICK LEVEL AGAINST TREE 20 INCHES FROM EYE AND 4 1/2 FEET ABOVE GROUND ON UPHILL SIDE OF TREE.	<b>1</b> 16-FOOT LOG				<b>38</b> <b>48</b>
	<b>2</b> 16-FOOT LOGS				<b>61</b> <b>79</b>
	<b>3</b> 16-FOOT LOGS	(BOARD FOOT VOLUME)			<b>77</b> <b>101</b>
	<b>4</b> 16-FOOT LOGS				
	<b>5</b> 16-FOOT LOGS				
<small>STAND 66 FEET FROM TREE, HOLD STICK STRAIGHT UP AND DOWN          20 INCHES FROM EYE. SIGHT THIS END AT STUMP HEIGHT.</small>		<small>NUMBER OF 16 FOOT LOGS</small>			

**A**

	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>	<b>22</b>	<b>24</b>	<b>26</b>	<b>28</b>								
<b>B</b>	<b>58</b>	<b>70</b>	<b>82</b>	<b>95</b>	<b>108</b>	<b>124</b>	<b>140</b>	<b>158</b>	<b>176</b>	<b>196</b>	<b>216</b>	<b>238</b>	<b>260</b>	<b>283</b>	<b>305</b>	<b>331</b>	<b>357</b>
	<b>96</b>	<b>117</b>	<b>138</b>	<b>161</b>	<b>183</b>	<b>212</b>	<b>240</b>	<b>273</b>	<b>305</b>	<b>342</b>	<b>378</b>	<b>418</b>	<b>458</b>	<b>499</b>	<b>540</b>	<b>588</b>	<b>635</b>
	<b>124</b>	<b>153</b>	<b>182</b>	<b>214</b>	<b>246</b>	<b>286</b>	<b>325</b>	<b>370</b>	<b>414</b>	<b>464</b>	<b>514</b>	<b>571</b>	<b>628</b>	<b>685</b>	<b>742</b>	<b>810</b>	<b>877</b>
	<b>141</b>	<b>176</b>	<b>211</b>	<b>252</b>	<b>292</b>	<b>340</b>	<b>388</b>	<b>442</b>	<b>496</b>	<b>559</b>	<b>621</b>	<b>687</b>	<b>753</b>	<b>826</b>	<b>899</b>	<b>980</b>	<b>1061</b>
	<b>2</b>				<b>3</b>												

**C**

	<b>30</b>	<b>32</b>	<b>34</b>	<b>36</b>	<b>38</b>	<b>40</b>	<b>IL 4-H FORESTRY JUDGING CONTEST</b>															
<b>D</b>	<b>385</b>	<b>413</b>	<b>444</b>	<b>474</b>	<b>506</b>	<b>538</b>	<b>570</b>	<b>602</b>	<b>638</b>	<b>674</b>	<b>712</b>	<b>750</b>	<a href="http://forestryjudging.nres.uiuc.edu">http://forestryjudging.nres.uiuc.edu</a>  <b>20 inch reach stick</b>									
	<b>686</b>	<b>737</b>	<b>793</b>	<b>848</b>	<b>907</b>	<b>966</b>	<b>1027</b>	<b>1087</b>	<b>1154</b>	<b>1220</b>	<b>1293</b>	<b>1365</b>										
	<b>949</b>	<b>1020</b>	<b>1101</b>	<b>1181</b>	<b>1265</b>	<b>1349</b>	<b>1435</b>	<b>1521</b>	<b>1621</b>	<b>1720</b>	<b>1822</b>	<b>1923</b>										
	<b>1148</b>	<b>1235</b>	<b>1338</b>	<b>1440</b>	<b>1544</b>	<b>1647</b>	<b>1754</b>	<b>1860</b>	<b>1981</b>	<b>2101</b>	<b>2232</b>	<b>2362</b>										
	<b>1350</b>	<b>1458</b>	<b>1572</b>	<b>1685</b>	<b>1809</b>	<b>1932</b>	<b>2061</b>	<b>2189</b>	<b>2339</b>	<b>2488</b>	<b>2632</b>	<b>2775</b>										
	<b>4</b>						<b>5</b>															

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.