

TECHNICAL NOTES

LAKE STATES FOREST EXPERIMENT STATION
UNIVERSITY FARM, ST. PAUL 8, MINNESOTA

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A Composite Cordwood Volume Table for Pulpwood Species in the Lake States

Because there is very little difference in the stacked unpeeled volumes of most native trees cut for pulpwood in the Lake States, a generalized cordwood table can be used. Tech. Note 202 (Aug. 1943) presented a table for trees from 6 to 14 inches d.b.h. and 1 to 7 bolts in usable height. Because of the demand for similar information for both smaller and larger trees, a new table of greater range has been prepared.

D.B.H. (Inches):	Usable height in number of 8-foot bolts							
	1	2	3	4	5	6	7	8
	Volume in cords *							
4	.004	.008						
5	.010	.018	.027					
6	.018	.030	.043	.058				
7	.025	.039	.056	.074	.093			
8	.032	.050	.070	.092	.116	.138		
9	.040	.061	.085	.112	.140	.168		
10	.049	.074	.101	.132	.167	.200	.239	.270
11	.059	.087	.119	.155	.195	.233	.280	.320
12	.070	.100	.138	.180	.225	.271	.324	.365
13	.082	.116	.158	.206	.257	.310	.370	.417
14	.095	.134	.179	.233	.291	.351	.419	.472
15			.200	.260	.325	.393	.469	.528
16			.222	.290	.361	.437	.521	.587
17			.245	.320	.399	.483	.577	.650
18			.270	.350	.439	.531	.634	.715
19			.295	.382	.480	.581	.693	.781
20			.321	.416	.522	.632	.755	.851
21				.452	.566	.685	.818	.922
22				.490	.612	.739	.883	.995
23					.659	.796	.950	1.07
24						.855	1.02	1.15
25						.914	1.09	1.23

*Volume in stem above one-foot stump in standard unpeeled cords.
Height is number of usable 8-foot bolts to a variable top diameter
not less than 4 inches inside bark.

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