



# **T A B L E S F O R M E A S U R I N G T I M B E R**

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# TREE SCALE IN BOARD FEET

International Rule ¼ inch Saw Kerf  
Form Class 79

DIAMETER BREAST HIGH (inches)	NUMBER OF 16-FOOT LOGS								
	1	1½	2	2½	3	3½	4	4½	5
	Volume in Board Feet, International ¼ inch Rule								
8	20	27	33	38					
10	38	50	61	69	77				
12	58	77	96	110	124	132	141		
14	82	110	138	160	182	196	211		
16	108	146	183	214	246	269	292		
18	140	190	240	282	325	356	388		
20	176	240	305	360	414	455	496	528	561
22	216	297	378	446	514	568	621	666	710
24	260	359	458	543	628	690	753	814	875
26	305	422	540	641	742	820	899	972	1046
28	357	496	635	756	877	969	1061	1152	1242
30	413	575	737	878	1020	1128	1235	1346	1458
32	474	661	848	1014	1181	1310	1440	1562	1685
34	538	752	966	1158	1349	1498	1647	1790	1932
36	602	844	1087	1304	1521	1690	1860	2024	2189
38	674	947	1220	1470	1720	1910	2101	2294	2488
40	750	1058	1365	1644	1923	2142	2362	2568	2775

For average timber, use the volumes shown.

When form class is different from 79, add or subtract 3% of total volume for each unit increase or decrease in form class.

# LOG SCALE

## International Rule 1/4 inch Saw Kerf

DIAMETER* OF LOG SMALL END (inches)	LENGTH OF LOG (FEET)				
	8	10	12	14	16
	Volume in Board Feet				
5	5	5	9	10	13
6	9	10	13	15	20
7	13	15	20	25	30
8	18	22	25	35	40
9	22	30	35	45	50
10	30	35	45	55	65
11	35	45	55	70	80
12	45	55	70	85	95
13	55	70	85	100	115
14	65	80	100	115	135
15	75	95	115	135	160
16	85	110	130	155	180
17	95	125	150	180	205
18	110	140	170	200	230
19	125	155	190	225	260
20	135	175	210	250	290
21	155	195	235	280	320
22	170	215	260	305	355
23	185	235	285	335	390
24	205	255	310	370	425
25	220	280	340	400	460
26	240	305	370	435	500
27	260	330	400	470	540
28	280	355	430	510	585
29	305	385	465	545	630
30	325	410	495	585	675

\* Diameter of log is taken inside of bark at small end.

# TREE SCALE FOR PULPWOOD

## Cubic-foot\* Volume Table Including Bark For Average Second-Growth Southern Pine

DIAMETER BREAST HIGH (inches)	NUMBER OF 5-FOOT BOLTS											
	1	2	3	4	5	6	7	8	9	10	11	12
	Volume in Cubic Feet (including bark)											
4	0.436	0.720	1.00									
5	0.845	1.25	1.65	2.05	2.46	2.86						
6		1.82	2.38	2.94	3.49	4.05	4.61	5.16	5.72			
7			3.20	3.94	4.68	5.43	6.17	6.92	7.66			
8			4.09	5.06	6.03	6.99	7.96	8.93	9.89	10.9	11.8	12.8
9				6.30	7.52	8.75	9.97	11.2	12.4	13.6	14.9	16.1
10				7.66	9.17	10.7	12.2	13.7	15.2	16.7	18.3	19.8
11				9.13	11.0	12.8	14.7	16.5	18.3	20.2	22.0	23.9
12				10.7	12.9	15.1	17.3	19.5	21.7	23.9	26.1	28.3
13				12.4	15.0	17.6	20.2	22.8	25.4	28.0	30.6	33.2
14				14.3	17.3	20.3	23.3	26.4	29.4	32.4	35.5	38.5
15							26.7	30.2	33.7	37.2	40.7	44.2
16							30.3	34.2	38.2	42.2	46.2	50.2

\* To convert the cubic-foot volume of the standing trees to stacked cords or units, divide by:

**90 for 128 cubic ft. cord (4'x4'x8')**      **112 for 160 cubic ft. unit (4'x5'x8')**      **126 for 180 cubic ft. unit (4½'x5'x8')**

The converting factors take into account the air space that occurs between the stacked wood bolts.