

Tables for Tons, Cubic Feet and Board Feet Doyle Log Rule

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Tons for Loblolly Pine in Arkansas

Dbh	Height in 16 feet logs									
	1	1.5	2	2.5	3	3.5	4	4.5	5	
6	0.06	0.08	0.11	0.14	0.17					
8	0.11	0.14	0.19	0.23	0.28	0.33	0.38			
10	0.22	0.31	0.39	0.47	0.55	0.62	0.70			
12	0.31	0.44	0.56	0.66	0.76	0.84	0.96	1.08		
14	0.42	0.60	0.75	0.89	1.01	1.10	1.25	1.41	1.56	
16	0.56	0.79	0.98	1.16	1.29	1.40	1.59	1.79	1.98	
18	0.71	1.01	1.27	1.50	1.69	1.86	1.98	2.23	2.47	
20	0.87	1.22	1.54	1.82	2.05	2.23	2.37	2.66	2.94	
22	1.06	1.48	1.86	2.19	2.47	2.69	2.84	3.19	3.53	
24	1.26	1.77	2.22	2.61	2.93	3.18	3.36	3.77	4.17	

Cubic Feet for Loblolly Pine in Arkansas

Dbh	Height in 16 feet logs									
	1	1.5	2	2.5	3	3.5	4	4.5	5	
6	1.8	2.5	3.4	4.2	5.0					
8	3.2	4.2	5.6	6.8	8.2	9.8	11.2			
10	6.4	9.1	11.6	14.0	16.3	18.3	20.9			
12	9.2	13.1	16.6	19.7	22.5	24.8	28.4	31.9		
14	12.6	17.8	22.4	26.5	29.9	32.5	37.2	41.7	46.3	
16	16.6	23.3	29.2	34.3	38.4	41.5	47.3	53.1	58.9	
18	21.2	30.0	37.8	44.6	50.1	55.3	58.9	66.1	73.2	
20	26.3	37.1	46.6	55.0	62.0	67.7	71.9	80.6	89.2	
22	32.0	44.9	56.5	66.4	74.8	81.5	86.2	96.6	106.9	
24	38.2	53.6	67.2	79.0	88.8	96.5	101.9	114.2	126.3	

Board Feet Doyle Log Rule for Loblolly Pine in Arkansas

Dbh	Height in 16 feet logs									
	1	1.5	2	2.5	3	3.5	4	4.5	5	
6	NA	NA	NA	NA	NA					
8	NA	NA	NA	NA	NA	NA	NA			
10	17.00	20.00	24.00	26.00	27.00	NA	NA			
12	32.00	40.00	49.00	54.00	59.00	62.00	65.00	NA		
14	53.00	68.00	84.00	95.00	106.00	112.00	118.00	NA	NA	
16	81.00	106.00	131.00	151.00	171.00	184.00	197.00	NA	NA	
18	112.00	149.00	186.00	216.00	245.00	265.00	285.00	NA	NA	
20	149.00	200.00	251.00	292.00	333.00	362.00	391.00	412.00	434.00	
22	190.00	258.00	325.00	380.00	434.00	474.00	514.00	548.00	582.00	
24	237.00	323.00	409.00	480.00	552.00	601.00	650.00	699.00	748.00	

Note:

- 1) Cubic Feet obtained from "Stem Cubic-Foot Volume Tables for Tree Species in the Arkansas Area" by Clark and Souter.
- 2) Tons converted from cubic feet at 3.37 tons per Cunit (100 cubic feet) for < 18" dbh and 3.30 tons per Cunit for > 20" dbh.
- 3) Board Feet Doyle Log Rule obtained from "Tables for Estimating Board-Foot Volume of Timber", Mesavage and Girard.
- 4) Form Class varied between 80 to 81.