

TABLE 6.—Hypothetical stocking and diameter distribution, with estimated development and yield per acre, for well-managed uneven-aged southern hardwoods on average or better sites^{1, 2}

D.b.h. (inches)	After cutting; beginning of new cycle			Midway of cycle; or average stand			End of cycle; ready for cutting			Cut		
	Trees	Basal area	Volume ³	Trees	Basal area	Volume ³	Trees	Basal area	Volume ³	Trees	Basal area	Volume ³
2.....	No. 26.0	Sq. ft. 0.58	Cords ⁴ 0.2	No. 36.0	Sq. ft. 0.79	Cords ⁴ 0.3	No. 48.0	Sq. ft. 1.06	Cords ⁴ 0.4	No. 22.0	Sq. ft. 0.48	Cords ⁴ 0.2
4.....	17.2	1.50	.4	20.0	1.74	.5	30.0	2.61	.6	12.8	1.11	.2
6.....	10.5	2.07	.6	13.0	2.55	.7	15.8	3.10	.9	5.3	1.03	.3
8.....	8.2	2.86	.8	9.7	3.39	1.0	12.2	4.27	1.2	4.0	1.41	.4
10.....	7.0	3.82	1.3	7.6	4.14	1.2	9.0	4.92	1.3	2.0	1.10	
12.....	6.5	5.10		6.8	5.34		6.6	5.18		.1	.08	
Total.....	75.4	15.93	3.3	93.1	17.95	3.7	121.6	21.14	4.4	46.2	5.21	1.1
14.....	6.0	6.41	Bd. ft. ⁵ 312	6.2	6.63	Bd. ft. ⁵ 322	6.0	6.41	Bd. ft. ⁵ 312	.00		Bd. ft. ⁵ 0
16.....	5.3	7.40	503	5.6	7.82	532	5.7	7.96	541	.40	.56	38
18.....	4.3	7.60	632	5.3	9.37	779	5.6	9.90	823	1.30	2.30	191
20.....	3.2	6.98	688	4.3	9.38	925	5.3	11.56 ⁶	1,139	2.10	4.58	451
22.....	2.3	6.07	678	3.2	8.45	944	4.3	11.35	1,268	2.00	5.28	590
24.....	1.6	5.03	524	2.3	7.23	897	3.2	10.06	1,248	1.60	5.03	724
26.....	1.1	4.06	561	1.6	5.90	816	2.3	8.48	1,170	1.20	4.42	609
28.....	.8	3.42	524	1.1	4.70	721	1.6	6.84	1,048	.80	3.42	524
30.....	.45	2.21	369	.80	3.93	656	1.1	5.40	902	.65	3.19	533
32.....	.27	1.51	272	.45	2.51	452	.8	4.47	804	.53	2.96	532
34.....	.11	.69	139	.27	1.70	329	.45	2.83	547	.34	2.14	408
36.....	.04	.28	57	.11	.78	165	.27	1.91	392	.23	1.63	335
38.....	.02	.16	28	.04	.32	64	.11	.95	191	.10	.79	163
40.....				.02	.17	34	.04	.35	76	.04	.35	76
42.....							.02	.19	37	.02	.19	37
Total.....	25.49	51.82	5,287	31.29	68.89	7,636	36.80	88.66	10,498	11.31	36.84	5,211
All trees.....	100.89	67.75		124.39	86.84		158.40	109.80		57.51	42.05	

¹ Revised from a table appearing in: Putnam, J. A. *Management of Bottomland Hardwoods*. U.S. Forest Serv. South. Forest Expt. Sta. Occas. Paper 116, 60 pp. 1951.
² The cycle of development illustrated by this table will usually be completed in about 10 years, but may require 8 to 15 years, depending upon site quality.
³ Saw-log volume includes all sound, reasonably straight stems to a 10-inch minimum top diameter, inside bark, at least 12 feet above the stump. Poletimber and topwood are measured

in cords of 128 cubic feet of wood, bark, and air. A conversion factor of 80 cubic feet of wood per cord has been assumed. Additional cordwood volume in tops of saw-log trees, not shown, is equivalent to about one cord per thousand board feet log scale or 40 percent of the total cubic volume of such trees.
⁴ Negligible.
⁵ Doyle rule.