

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE RESOURCE BULLETIN SE-46

SOUTHERN PULPWOOD PRODUCTION, 1977

Thomas R. Bellamy



In this report:

SOUTHERN PULPWOOD	Page
PRODUCTION BY —	
—roundwood and residues	2, 3
—state	1, 2, 3
—species group	2, 3, 4
—territory	4
—county	5-16
PULPMILLS USING SOUTHERN	
WOOD, BY—	
—location, process, and capacity	17-21
PULPMILLS UNDER CONSTRUCTION	17, 21

October 1978

**Southeastern Forest Experiment Station
Asheville, North Carolina**

SOUTHERN PULPWOOD PRODUCTION, 1977

Thomas R. Bellamy

**SOUTHEASTERN FOREST EXPERIMENT
STATION**

Asheville, North Carolina
and

**SOUTHERN FOREST EXPERIMENT
STATION**

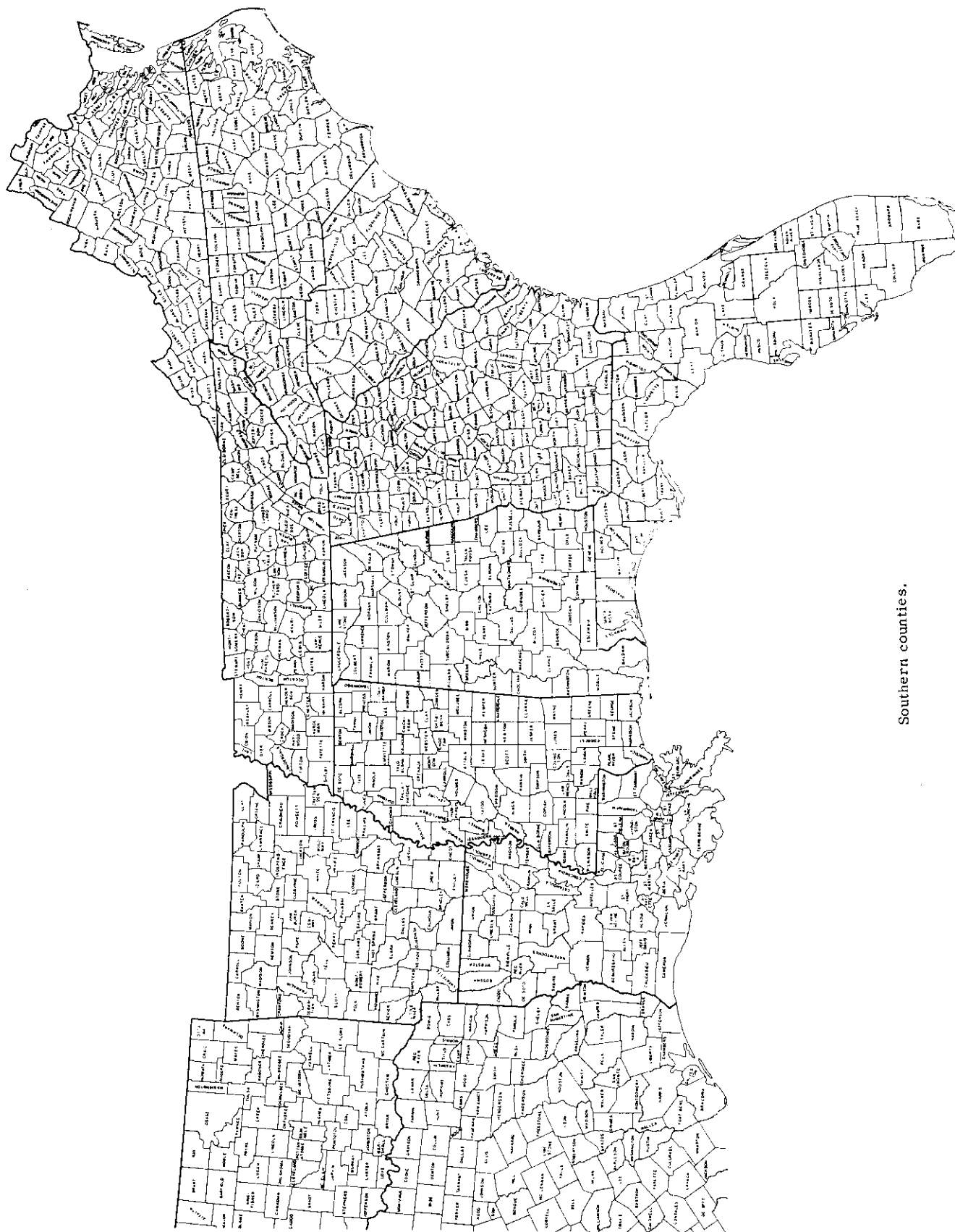
New Orleans, Louisiana
of the

**Forest Service, U.S. Department of
Agriculture**

in cooperation with the

AMERICAN PULPWOOD ASSOCIATION

1977



Southern counties.

HIGHLIGHTS—Southern pulpwood production increased 3 percent in 1977 to 48.9 million cords. Roundwood production increased slightly while use of plant byproducts rose 9 percent. The use of plant byproducts continues to increase and now contributes 34 percent of the total. Pulping capacity increased to 100,894 tons per day.

Total pulpwood production in the South in 1977 was 48.9 million cords—3 percent more than in 1976 (table 1). Production declined in five States in the Midsouth and one in the Southeast. Roundwood production declined in 7 of the 12 States, while a decline in use of plant byproducts was reported in only 2 States. When combined, pulpwood production for these States declined by almost 658,000 cords.

Normally, when roundwood production increases, it occurs for both hardwood and softwood. In 1977, however, softwood output increased 74,700 cords while that of hardwood decreased 44,200 cords. The net result was an increase in roundwood production of less than 0.5 percent (tables 2 and 3). Roundwood accounted for two-thirds of the total production, about 2 percent less than the previous year.

As in previous years, Georgia led in roundwood production. Output there increased by more than 230,000 cords, and most of the increase was in softwood. Production in Alabama and Mississippi, the other two leading producers, declined almost 360,000 cords.

Since 1970, the use of plant byproducts for pulp manufacture has increased more rapidly than roundwood use (tables 4 and 5, fig. 1). Plant byproducts made up 20 percent of the mill furnish in 1970 and 34 percent in 1977. The average annual increase was over 10 percent. Meanwhile, 1977 roundwood production was less than the peaks reported in 1970 and 1974.

Table 1.—Pulpwood production in the South during 1977, and change since 1976

State	Pulpwood	Change
	Thousand cords	Percent
Alabama	7,072.1	- 4
Arkansas	3,498.6	- 1
Florida	3,630.3	+10
Georgia	8,365.5	+ 8
Louisiana	4,340.3	+ 1
Mississippi	5,211.9	- 2
North Carolina	4,576.1	+10
Oklahoma	692.1	+33
South Carolina	4,421.6	+14
Tennessee	670.6	-12
Texas	3,741.9	- 2
Virginia	2,637.8	- 1
All States	48,858.8	+ 3

For estimates of pulpwood production, the South is traditionally divided into two major regions: the Southeast; which includes the States of Virginia, North and South Carolina, Georgia, and Florida; and the Midsouth; which includes Alabama, Mississippi, Tennessee, Arkansas, Louisiana, Texas, and Oklahoma. A decline of 3 percent in softwood roundwood production in the Midsouth and a 4 percent increase in the Southeast enabled the Southeast to regain the lead in softwood roundwood output. The Midsouth, however, led in all other types of pulpwood production (table 6). The production of all wood in the Midsouth declined by 2 percent, while the Southeast pulpwood output increased by 8 percent.

Table 2.--Roundwood production in the South, by State and species group, 1977

State	All species	Softwood	Hardwood			
			Total	Gums	Oaks	Other hardwoods
----- Thousand cords -----						
Alabama	4,793.7	3,393.0	1,400.7	171.7	540.2	688.8
Arkansas	2,220.2	1,454.6	765.6	34.0	560.6	171.0
Florida	2,799.4	2,513.7	285.7	123.4	124.2	38.1
Georgia	5,830.3	5,133.2	697.1	304.8	282.3	110.0
Louisiana	2,730.1	2,027.0	703.1	60.2	275.8	367.1
Mississippi	3,411.4	2,276.7	1,134.7	129.7	466.8	538.2
North Carolina	2,757.8	1,680.7	1,077.1	430.8	440.0	206.3
Oklahoma	329.6	231.6	98.0	5.6	60.7	31.7
South Carolina	2,683.2	1,963.0	720.2	325.0	279.3	115.9
Tennessee	470.9	213.9	257.0	12.0	130.1	114.9
Texas	2,340.3	1,944.3	396.0	77.6	182.7	135.7
Virginia	1,680.2	825.6	854.6	77.9	426.1	350.6
All States	32,047.1	23,657.3	8,389.8	1,752.7	3,768.8	2,868.3

Table 3.--Roundwood production in the South, by State and species group, 1977 and 1976

State	Change from 1976	1977			1976		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
Percent		----- Thousand cords -----					
Alabama	- 4	4,793.7	3,393.0	1,400.7	5,007.3	3,541.1	1,466.2
Arkansas	- 3	2,220.2	1,454.6	765.6	2,294.2	1,482.4	811.8
Florida	+ 5	2,799.4	2,513.7	285.7	2,667.6	2,412.4	255.2
Georgia	+ 4	5,830.3	5,133.2	697.1	5,599.2	4,965.7	633.5
Louisiana	- 5	2,730.1	2,027.0	703.1	2,875.7	2,174.4	701.3
Mississippi	- 4	3,411.4	2,276.7	1,134.7	3,556.1	2,274.9	1,281.2
North Carolina	+11	2,757.8	1,680.7	1,077.1	2,483.8	1,490.3	993.5
Oklahoma	+25	329.6	231.6	98.0	264.4	185.7	78.7
South Carolina	+ 3	2,683.2	1,963.0	720.2	2,601.5	2,009.9	591.6
Tennessee	-10	470.9	213.9	257.0	525.2	229.7	295.5
Texas	- 3	2,340.3	1,944.3	396.0	2,405.5	2,004.8	400.7
Virginia	- 3	1,680.2	825.6	854.6	1,736.1	811.3	924.8
All States	+(1/)	32,047.1	23,657.3	8,389.8	32,016.6	23,582.6	8,434.0

1/ Less than 0.5 percent increase.

In 1977, 67 southern counties or parishes produced over 100,000 cords of roundwood, and 27 of these produced over 100,000 cords of softwood. Only three counties, Craven in North Carolina, Choctaw in Alabama, and Ashley in Arkansas, produced over 200,000 cords. Hardwood production exceeded 100,000 cords in the last two counties. Tables 7-18 show county production totals.

Southern pulping capacity in 1977 rose almost 3 percent to 100,894 tons per day (table

19). One new mill came on stream in Arkansas and several expansion projects were completed, bringing the number of mills in the South to 113. In addition, 11 mills outside the South used southern pulpwood, primarily plant byproducts (table 20). Only one mill was under construction at the end of the year (table 21). Despite a decline in pulpwood production, the Midsouth dominated pulping capacity growth, gaining 1,955 tons per day, or 69 percent of the year's increase across the South.

Table 4.--Southern output of plant byproducts for pulp manufacture,
by State and species group, 1977 and 1976

State	Change from 1976	1977			1976		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
Percent		Thousand cords					
Alabama	- 5	2,278.4	1,916.2	362.2	2,386.2	1,978.0	408.2
Arkansas	+ 3	1,278.4	1,118.4	160.0	1,238.9	1,111.4	127.5
Florida	+31	830.9	724.0	106.9	636.6	522.2	114.4
Georgia	+17	2,535.2	2,244.4	290.8	2,174.5	1,909.8	264.7
Louisiana	+14	1,610.2	1,368.3	241.9	1,407.2	1,176.6	230.6
Mississippi	+ 1	1,800.5	1,429.9	370.6	1,786.2	1,404.6	381.6
North Carolina	+ 9	1,818.3	1,491.8	326.5	1,674.9	1,394.3	280.6
Oklahoma	+41	362.5	362.5	--	257.3	218.9	38.4
South Carolina	+36	1,738.4	1,499.1	239.3	1,278.9	1,030.1	248.8
Tennessee	-14	199.7	17.9	181.8	233.3	23.5	209.8
Texas	+(1/)	1,401.6	1,240.8	160.8	1,395.8	1,269.5	126.3
Virginia	+ 3	957.6	588.1	369.5	925.7	554.8	370.9
All States	+ 9	16,811.7	14,001.4	2,810.3	15,395.5	12,593.7	2,801.8

1/ Less than 0.5 percent increase.

Table 5.--Southern output of plant byproducts for pulp manufacture, by State and type
of residue, 1977

State	All types	Chips			Other residues ^{1/}		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
		----- Thousand cords -----					
Alabama	2,278.4	2,112.8	1,769.7	343.1	165.6	146.5	19.1
Arkansas	1,278.4	1,257.1	1,118.4	138.7	21.3	--	21.3
Florida	830.9	795.3	688.4	106.9	35.6	35.6	--
Georgia	2,535.2	2,509.3	2,218.5	290.8	25.9	25.9	--
Louisiana	1,610.2	1,552.9	1,336.1	216.8	57.3	32.2	25.1
Mississippi	1,800.5	1,704.3	1,345.9	358.4	96.2	84.0	12.2
North Carolina	1,818.3	1,711.1	1,407.4	303.7	107.2	84.4	22.8
Oklahoma	362.5	362.5	362.5	--	--	--	--
South Carolina	1,738.4	1,650.8	1,411.5	239.3	87.6	87.6	--
Tennessee	199.7	199.7	17.9	181.8	--	--	--
Texas	1,401.6	1,328.2	1,167.4	160.8	73.4	73.4	--
Virginia	957.6	862.2	550.0	312.2	95.4	38.1	57.3
All States	16,811.7	16,046.2	13,393.7	2,652.5	765.5	607.7	157.8

1/ Veneer cores, pole and piling trim, cull material, sawdust, and secondary residues.

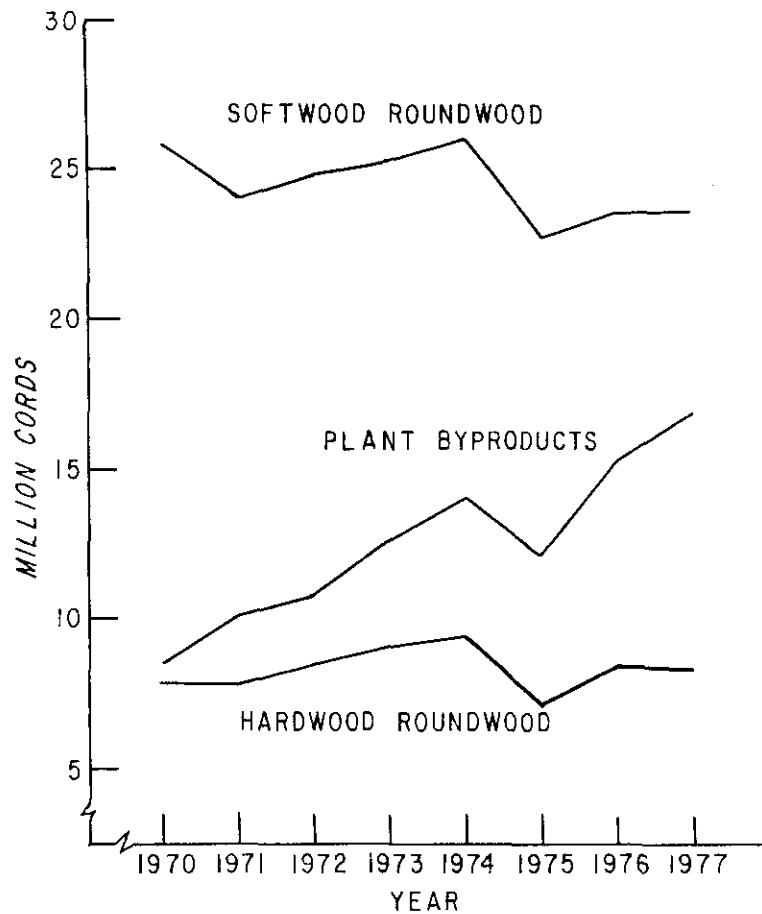


Figure 1. — Pulpwood production, 1970-1977.

Table 6.--Southern pulpwood production, by Experiment Station territory, 1977

Station and type of wood	All species	Softwood	Hardwood
- - - - Standard cords - - - -			
Southeastern: ^{1/}			
Roundwood	15,750,867	12,116,144	3,634,723
Plant byproducts	7,880,457	6,547,468	1,332,989
Total	23,631,324	18,663,612	4,967,712
Southern: ^{2/}			
Roundwood	16,296,170	11,541,100	4,755,070
Plant byproducts	8,931,324	7,453,949	1,477,375
Total	25,227,494	18,995,049	6,232,445
Both stations:			
Roundwood	32,047,037	23,657,244	8,389,793
Plant byproducts	16,811,781	14,001,417	2,810,364
Total	48,858,818	37,658,661	11,200,157

^{1/} States of Florida, Georgia, North Carolina, South Carolina, and Virginia.

^{2/} States of Alabama, Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas.

Table 7.--Round pulpwood production in Alabama, 1977

County	All species	Softwood	Hardwood	County	All species	Softwood	Hardwood
- - - - Standard cords - - - -				- - - - Standard cords - - - -			
Autauga	65,266	42,681	22,585	Jackson	29,811	3,166	26,645
Baldwin	174,269	137,943	36,326	Jefferson	43,032	36,439	6,593
Barbour	101,296	89,865	11,431	Lamar	45,300	40,662	4,638
Bibb	77,267	60,248	17,019	Lauderdale	7,585	4,103	3,482
Blount	33,784	24,599	9,185	Lawrence	14,261	8,040	6,221
Bullock	70,972	55,197	15,775	Lee	101,647	93,482	8,165
Butler	197,191	116,724	80,467	Limestone	3,527	2,312	1,215
Calhoun	50,026	46,925	3,101	Lowndes	71,730	45,975	25,755
Chambers	120,752	98,841	21,911	Macon	63,708	54,094	9,614
Cherokee	44,061	39,090	4,971	Madison	1,223	967	256
Chilton	80,964	68,544	12,420	Marengo	156,488	81,849	74,639
Choctaw	228,232	114,317	113,915	Marion	81,229	48,532	32,697
Clarke	159,753	91,871	67,882	Marshall	27,947	15,102	12,845
Clay	68,616	59,724	8,892	Mobile	47,441	35,143	12,298
Cleburne	52,634	44,505	8,129	Monroe	122,259	63,938	58,321
Coffee	71,874	53,718	18,156	Montgomery	57,142	44,842	12,300
Colbert	12,465	3,377	9,088	Morgan	8,026	3,082	4,944
Conecuh	120,380	62,095	58,285	Perry	57,014	35,069	21,945
Coosa	123,583	100,535	23,048	Pickens	92,344	52,630	39,714
Covington	93,109	69,661	23,448	Pike	117,486	95,707	21,779
Crenshaw	115,045	79,541	35,504	Randolph	68,182	55,650	12,532
Cullman	49,049	38,177	10,872	Russell	53,329	40,795	12,534
Dale	59,943	43,105	16,838	St. Clair	74,392	64,802	9,590
Dallas	87,690	54,743	32,947	Shelby	54,994	49,414	5,580
De Kalb	28,969	16,649	12,320	Sumter	13,447	7,666	5,781
Elmore	30,682	25,219	5,463	Talledega	66,230	61,074	5,156
Escambia	123,341	81,610	41,731	Tallapoosa	160,668	135,957	24,711
Etowah	17,797	16,934	863	Tuscaloosa	38,178	23,897	14,281
Fayette	43,244	36,388	6,856	Walker	95,815	81,339	14,476
Franklin	34,853	23,719	11,134	Washington	117,945	58,217	59,728
Geneva	48,224	38,894	9,330	Wilcox	85,730	44,198	41,532
Greene	31,408	18,879	12,529	Winston	69,657	58,197	11,460
Hale	39,411	18,457	20,954	All counties	4,793,643	3,392,969	1,400,674
Henry	50,628	39,212	11,416				
Houston	39,098	34,642	4,456				

Table 8.--Round pulpwood production in Arkansas, 1977

County ^{1/}	All species	Softwood	Hardwood	County ^{1/}	All species	Softwood	Hardwood
- - - - Standard cords - - - -				- - - - Standard cords - - - -			
Arkansas	246	202	44	Little River	95,787	59,283	36,504
Ashley	209,270	96,946	112,324	Logan	13,027	9,578	3,449
Boone	1	0	1	Miller	43,443	26,702	16,741
Bradley	16,831	16,174	657	Monroe	16	6	10
Calhoun	51,724	42,969	8,755	Montgomery	16,542	13,793	2,749
Chicot	8,742	3	8,739	Nevada	97,937	78,689	19,248
Clark	53,875	38,965	14,910	Newton	42	36	6
Cleburne	18,411	14,682	3,729	Ouachita	40,563	24,118	16,445
Cleveland	86,342	57,013	29,329	Perry	4,130	2,350	1,780
Columbia	132,660	111,220	21,440	Phillips	688	0	688
Conway	11,344	7,706	3,638	Pike	107,167	86,108	21,059
Crawford	3	0	3	Polk	36,811	18,935	17,876
Crittenden	1,562	0	1,562	Pope	19,727	12,223	7,504
Dallas	63,488	42,380	21,108	Prairie	24	0	24
Desha	8,083	17	8,066	Pulaski	51,004	23,125	27,879
Drew	117,285	43,013	74,272	Saline	68,912	44,042	24,870
Faulkner	1,319	1,166	153	Scott	25,987	20,871	5,116
Franklin	2,553	2,153	400	Searcy	118	118	0
Fulton	4	4	0	Sebastian	1,677	1,547	130
Garland	69,473	63,775	5,698	Sevier	34,697	19,894	14,803
Grant	111,351	60,041	51,310	Sharp	33	26	7
Greene	5	5	0	Stone	2,004	1,336	668
Hempstead	64,134	44,309	19,825	Union	89,611	67,540	22,071
Hot Spring	41,270	27,537	13,733	Van Buren	9,008	6,423	2,585
Howard	166,270	124,323	41,947	White	10,779	7,934	2,845
Independence	7,923	6,297	1,626	Yell	28,583	21,259	7,324
Izard	252	234	18	All counties	2,220,196	1,454,603	765,593
Jackson	76	53	23				
Jefferson	39,752	27,850	11,902				
Johnson	6,386	4,000	2,386				
Lafayette	50,131	36,191	13,940				
Lee	920	920	0				
Lincoln	80,193	38,519	41,674				

^{1/} Counties with no pulpwood production are omitted.

Table 9.--Round pulpwood production in Florida, 1977

County ^{1/}	All species	Softwood	Hardwood	County ^{1/}	All species	Softwood	Hardwood
- - - Standard cords - - -				- - - Standard cords - - -			
Alachua	81,902	74,944	6,958	Lake	2,860	2,860	0
Baker	79,586	79,318	268	Lee	5,980	5,980	0
Bay	43,869	43,548	321	Leon	29,535	24,959	4,576
Bradford	95,019	92,239	2,780	Levy	161,854	90,513	71,341
Brevard	225	225	0	Liberty	44,486	42,704	1,782
Broward	96	96	0	Madison	105,700	85,278	20,422
Calhoun	68,114	66,358	1,756	Manatee	6,473	6,473	0
Charlotte	981	981	0	Marion	89,312	76,649	12,663
Citrus	638	494	144	Nassau	148,233	139,822	8,411
Clay	60,578	57,758	2,820	Okaloosa	25,908	24,297	1,611
Collier	5,562	5,562	0	Okeechobee	1,237	1,237	0
Columbia	117,155	105,821	11,334	Orange	5,104	5,104	0
De Soto	18	18	0	Osceola	15,179	15,179	0
Dixie	78,740	58,615	20,125	Pasco	2,790	2,379	411
Duval	55,507	50,208	5,299	Polk	16,197	16,161	36
Escambia	64,145	63,319	826	Putnam	54,763	44,130	10,633
Flagler	30,767	21,767	9,000	St. Johns	131,946	113,707	18,239
Franklin	44,660	44,650	10	Santa Rosa	67,764	67,335	429
Gadsden	41,991	31,373	10,618	Sarasota	3,871	3,871	0
Gilchrist	54,691	52,292	2,399	Sumter	11,295	10,967	328
Glades	5,810	5,786	24	Suwannee	103,254	95,776	7,478
Gulf	16,322	16,141	181	Taylor	186,921	180,339	6,582
Hamilton	51,545	47,722	3,823	Union	52,741	52,704	37
Hardee	6,049	5,549	500	Volusia	46,034	44,934	1,100
Hendry	15,083	15,083	0	Wakulla	27,519	27,493	26
Hernando	6,706	5,871	835	Walton	107,134	93,202	13,932
Highlands	601	601	0	Washington	49,674	45,417	4,257
Hillsborough	3,849	3,849	0	All counties	2,799,352	2,513,674	285,678
Holmes	43,784	38,543	5,241				
Jackson	126,967	116,439	10,528				
Jefferson	57,319	55,844	1,475				
Lafayette	37,309	33,190	4,119				

^{1/} Counties with no pulpwood production are omitted.

Table 10.--Round pulpwood production in Georgia, 1977

County ^{1/}	All species	Softwood	Hardwood	County ^{1/}	All species	Softwood	Hardwood
Standard cords				Standard cords			
Appling	84,254	79,488	4,766	Fannin	19,617	11,476	8,141
Atkinson	80,583	79,796	787	Fayette	12,610	12,027	583
Bacon	61,652	61,615	37	Floyd	50,067	44,234	5,833
Baker	26,350	26,093	257	Forsyth	9,394	8,918	476
Baldwin	29,325	23,535	5,790	Franklin	40,625	25,852	14,773
Banks	9,610	9,543	67	Fulton	17,434	16,128	1,306
Barrow	23,215	22,561	654	Gilmer	15,581	12,189	3,392
Bartow	37,960	36,305	1,655	Glascock	3,038	2,728	310
Ben Hill	70,961	65,626	5,335	Glynn	57,977	50,059	7,918
Berrien	40,192	39,983	209	Gordon	37,126	35,543	1,583
Bibb	8,153	6,866	1,287	Grady	26,361	25,511	850
Bleckley	19,152	15,951	3,201	Greene	35,740	26,963	8,777
Brantley	58,663	57,082	1,581	Gwinnett	23,938	22,680	1,258
Brooks	43,499	40,992	2,507	Habersham	4,331	3,018	1,313
Bryan	38,018	36,561	1,457	Hall	17,977	17,820	157
Bulloch	31,434	31,021	413	Hancock	55,431	45,739	9,692
Burke	123,023	96,863	26,160	Haralson	33,348	29,387	3,961
Butts	55,263	46,529	8,734	Harris	46,682	43,775	2,907
Calhoun	24,155	21,903	2,252	Hart	1,112	1,112	0
Camden	128,559	94,534	34,025	Heard	19,847	18,840	1,007
Candler	17,022	15,051	1,971	Henry	29,056	25,907	3,149
Carroll	57,620	52,302	5,318	Houston	48,496	39,056	9,440
Catoosa	6,155	3,993	2,162	Irwin	5,848	5,848	0
Charlton	59,375	55,475	3,900	Jackson	29,630	28,810	820
Chatham	12,482	8,842	3,640	Jasper	38,844	37,563	1,281
Chattahoochee	18,781	15,485	3,296	Jeff Davis	46,601	27,326	19,275
Chattooga	33,894	28,604	5,290	Jefferson	48,592	45,166	3,426
Cherokee	33,985	31,456	2,529	Jenkins	54,223	52,711	1,512
Clarke	6,478	6,058	420	Johnson	24,175	22,528	1,647
Clay	38,840	32,424	6,416	Jones	32,032	29,534	2,498
Clayton	17	0	17	Lamar	12,860	12,391	469
Clinch	65,749	65,615	134	Lanier	18,679	18,616	63
Cobb	10,103	10,096	7	Laurens	129,236	102,851	26,385
Coffee	87,502	80,711	6,791	Lee	20,584	19,080	1,504
Colquitt	24,361	23,631	730	Liberty	64,955	55,665	9,290
Columbia	26,657	23,189	3,468	Lincoln	56,431	34,734	21,697
Cook	6,406	6,406	0	Long	58,413	53,821	4,592
Coweta	56,777	53,683	3,094	Lowndes	27,177	25,586	1,591
Crawford	87,022	69,959	17,063	Lumpkin	5,352	4,996	356
Crisp	14,871	14,542	329	McDuffie	9,270	8,420	850
Dade	104	104	0	McIntosh	45,586	43,290	2,296
Dawson	7,546	6,953	593	Macon	37,806	23,964	13,842
Decatur	94,812	72,486	22,326	Madison	19,875	18,574	1,301
De Kalb	1,154	1,154	0	Marion	39,863	34,554	5,309
Dodge	97,304	81,738	15,566	Meriwether	83,472	76,136	7,336
Dooly	43,848	40,569	3,279	Miller	12,504	9,913	2,591
Dougherty	32,682	30,530	2,152	Mitchell	42,480	40,997	1,483
Douglas	17,156	16,399	757	Monroe	40,462	36,162	4,300
Early	41,314	37,464	3,850	Montgomery	26,296	26,077	219
Echols	54,345	51,238	3,107	Morgan	28,810	27,860	950
Effingham	27,489	26,024	1,465	Murray	18,574	16,385	2,189
Elbert	39,905	34,589	5,316	Muscogee	2,872	2,729	143
Emanuel	52,273	51,536	737				
Evans	17,294	15,146	2,148				

Table 10.--Round pulpwood production in Georgia, 1977 (continued)

County ^{1/}	All species	Softwood	Hardwood	County ^{1/}	All species	Softwood	Hardwood
- - - Standard cords - - -				- - - Standard cords - - -			
Newton	15,352	15,352	0	Taylor	20,180	19,586	594
Oconee	22,462	21,987	475	Telfair	52,989	46,055	6,934
Oglethorpe	56,447	37,659	18,788	Terrell	27,952	25,451	2,501
Paulding	24,532	22,230	2,302	Thomas	62,962	50,454	12,508
Peach	2,052	2,052	0	Tift	19,494	13,194	6,300
Pickens	20,643	17,710	2,933	Toombs	49,467	45,227	4,240
Pierce	40,018	39,047	971	Towns	1,610	1,425	185
Pike	32,420	31,551	869	Treutlen	35,417	32,854	2,563
Polk	37,976	34,838	3,138	Troup	72,758	69,582	3,176
Pulaski	32,702	31,658	1,044	Turner	15,335	13,751	1,584
Putnam	43,842	39,107	4,735	Twiggs	28,545	24,870	3,675
Quitman	37,167	32,747	4,420	Union	15,790	9,697	6,093
Rabun	13,966	5,775	8,191	Upson	32,903	30,431	2,472
Randolph	91,511	60,705	30,806	Walker	16,013	14,869	1,144
Richmond	17,804	16,854	950	Walton	27,142	22,364	4,778
Schley	24,100	21,806	2,294	Ware	139,280	137,823	1,457
Screven	32,246	29,746	2,500	Warren	52,272	48,880	3,392
Seminole	12,465	9,166	3,299	Washington	54,610	46,591	8,019
Spalding	12,128	12,128	0	Wayne	111,499	99,524	11,975
Stephens	14,172	9,977	4,195	Webster	15,231	14,426	805
Stewart	94,950	80,735	14,215	Wheeler	54,248	52,890	1,358
Sumter	20,992	19,748	1,244	White	848	848	0
Talbot	62,276	54,532	7,744	Whitfield	29,882	26,580	3,302
Taliaferro	22,980	18,792	4,188	Wilcox	38,692	35,624	3,068
Tattnall	61,031	54,285	6,746	Wilkes	47,737	34,996	12,741
				Wilkinson	39,152	30,821	8,331
				Worth	49,396	46,601	2,795
				All counties	5,830,272	5,133,149	697,123

^{1/} Counties with no pulpwood production are omitted.

Table 11.--Round pulpwood production in Louisiana, 1977

Parish ^{1/}	All species	Softwood	Hardwood	Parish ^{1/}	All species	Softwood	Hardwood
- - - - Standard cords - - - -				- - - - Standard cords - - - -			
Acadia	3,370	3,033	337	Madison	15,946	6	15,940
Allen	44,451	32,390	12,061	Morehouse	37,843	20,485	17,358
Ascension	558	4	554	Natchitoches	94,180	84,442	9,738
Assumption	113	0	113	Ouachita	60,529	35,661	24,868
Avoyelles	18,849	3,118	15,731	Pointe Coupee	18,348	0	18,348
Beauregard	144,878	135,890	8,988	Rapides	163,721	137,100	26,621
Bienville	149,687	123,723	25,964	Red River	35,396	23,634	11,762
Bossier	98,917	78,796	20,121	Richland	4,334	126	4,208
Caddo	43,970	27,236	16,734	Sabine	137,029	125,186	11,843
Calcasieu	9,164	8,861	303	St. Helena	75,912	67,209	8,703
Caldwell	47,283	26,995	20,288	St. James	1,795	11	1,784
Cameron	322	313	9	St. Landry	8,019	8	8,011
Catahoula	41,462	11,421	30,041	St. Martin	736	8	728
Claiborne	101,319	79,214	22,105	St. Mary	22	12	10
Concordia	51,257	0	51,257	St. Tammany	43,549	41,051	2,498
De Soto	102,977	87,983	14,994	Tangipahoa	48,242	40,451	7,791
East Baton Rouge	6,883	3,807	3,076	Tensas	60,800	12	60,788
East Carroll	9,253	0	9,253	Union	155,229	108,862	46,367
East Feliciana	30,142	20,311	9,831	Vermilion	45	32	13
Evangeline	18,202	17,336	866	Vernon	147,954	140,250	7,704
Franklin	7,248	798	6,450	Washington	72,654	65,836	6,818
Grant	85,200	65,106	20,094	Webster	62,450	52,878	9,572
Iberia	62	0	62	West Baton Rouge	591	8	583
Iberville	308	0	308	West Carroll	1,635	580	1,055
Jackson	66,788	51,539	15,249	West Feliciana	10,850	3,629	7,221
Jefferson Davis	11,439	10,237	1,202	Winn	82,823	57,449	25,374
La Salle	91,537	74,563	16,974	All parishes	2,730,117	2,027,039	703,078
Lincoln	120,368	94,734	25,634				
Livingston	83,478	64,705	18,773				

^{1/} Parishes with no pulpwood production are omitted.

Table 12.--Round pulpwood production in Mississippi, 1977

County ^{1/}	All species	Softwood	Hardwood	County ^{1/}	All species	Softwood	Hardwood
- - - - Standard cords - - - -				- - - - Standard cords - - - -			
Adams	21,376	490	20,886	Lowndes	3,718	1,811	1,907
Alcorn	12,945	10,678	2,267	Madison	27,166	19,471	7,695
Amite	79,182	56,590	22,592	Marion	65,309	47,424	17,885
Attala	114,481	83,948	30,533	Marshall	72,131	67,279	4,852
Benton	22,362	15,731	6,631	Monroe	23,777	23,607	170
Bolivar	2,309	0	2,309	Montgomery	30,686	20,490	10,196
Calhoun	32,224	5,798	26,426	Neshoba	86,231	52,203	34,028
Carroll	36,597	21,912	14,685	Newton	80,332	52,229	28,103
Chickasaw	20,511	20,261	250	Noxubee	42,360	23,900	18,460
Choctaw	60,190	47,824	12,366	Oktibbeha	25,812	19,272	6,540
Claiborne	36,546	10,607	25,939	Panola	10,985	6,465	4,520
Clarke	117,065	74,561	42,504	Pearl River	58,939	49,591	9,348
Clay	11,089	10,898	191	Perry	66,595	51,671	14,924
Coahoma	29	4	25	Pike	88,665	70,399	18,266
Copiah	97,127	70,146	26,981	Pontotoc	29,313	27,019	2,294
Covington	44,828	28,304	16,524	Prentiss	29,147	24,843	4,304
Forrest	37,564	27,598	9,966	Quitman	20	9	11
Franklin	50,353	29,293	21,060	Rankin	90,517	69,972	20,545
George	28,529	19,498	9,031	Scott	56,778	46,206	10,572
Greene	87,887	49,577	38,310	Sharkey	255	11	244
Grenada	12,708	10,368	2,340	Simpson	92,679	72,161	20,518
Hancock	24,017	23,056	961	Smith	43,943	37,681	6,262
Harrison	25,406	23,150	2,256	Stone	43,876	29,273	14,603
Hinds	45,798	18,373	27,425	Sunflower	20	16	4
Holmes	51,946	30,553	21,393	Tallahatchie	1,774	539	1,235
Humphreys	101	48	53	Tate	177	155	22
Issaquena	33,026	25	33,001	Tippah	32,027	29,149	2,878
Itawamba	39,196	30,937	8,259	Tishomingo	30,314	24,164	6,150
Jackson	19,027	16,655	2,372	Tunica	10,207	3	10,204
Jasper	69,350	40,052	29,298	Union	14,130	12,563	1,567
Jefferson	52,762	19,695	33,067	Walthall	42,024	24,294	17,730
Jefferson Davis	35,813	31,493	4,320	Warren	25,695	563	25,132
Jones	38,442	21,779	16,663	Washington	16,792	5	16,787
Kemper	101,471	60,778	40,693	Wayne	73,817	39,611	34,206
Lafayette	19,054	11,573	7,481	Webster	47,106	46,419	687
Lamar	45,063	35,454	9,609	Wilkinson	63,662	11,890	51,772
Lauderdale	92,984	54,618	38,366	Winston	69,321	49,362	19,959
Lawrence	79,506	65,146	14,360	Yalobusha	14,859	10,426	4,433
Leake	85,792	60,075	25,717	Yazoo	18,892	1,548	17,344
Lee	8,642	7,441	1,201				
Leflore	2,071	464	1,607				
Lincoln	85,996	67,577	18,419				
				All counties	3,411,416	2,276,722	1,134,694

^{1/} Counties with no pulpwood production are omitted.

Table 13.--Round pulpwood production in North Carolina, 1977

County ^{1/}	All species	Softwood	Hardwood	County ^{1/}	All species	Softwood	Hardwood
- - - - Standard cords - - - -				- - - - Standard cords - - - -			
Alamance	8,581	1,378	7,203	Lee	17,120	12,093	5,027
Alexander	10,753	5,786	4,967	Lenoir	24,301	19,473	4,828
Alleghany	1,416	138	1,278	Lincoln	28,603	24,823	3,780
Anson	87,603	59,073	28,530	McDowell	11,857	7,160	4,697
Ashe	805	33	772	Madison	4,399	1,086	3,313
Avery	1,090	57	1,033	Martin	62,979	53,743	9,236
Beaufort	54,954	29,837	25,117	Mecklenburg	8,519	6,873	1,646
Bertie	63,262	22,472	40,790	Mitchell	218	11	207
Bladen	66,827	38,350	28,477	Montgomery	22,655	10,761	11,894
Brunswick	71,628	51,238	20,390	Moore	45,265	30,297	14,968
Buncombe	22,712	8,263	14,449	Nash	31,988	12,950	19,038
Burke	47,410	18,577	28,833	New Hanover	7,807	5,546	2,261
Cabarrus	10,036	6,160	3,876	Northampton	37,429	13,252	24,177
Caldwell	13,294	3,176	10,118	Onslow	35,917	32,844	3,073
Camden	4,264	2,696	1,568	Orange	10,091	4,077	6,014
Carteret	25,711	18,905	6,806	Pamlico	24,485	16,271	8,214
Caswell	11,255	30	11,225	Pasquotank	14,318	6,682	7,636
Catawba	8,950	7,583	1,367	Pender	49,084	36,069	13,015
Chatham	85,362	53,331	32,031	Perquimans	17,522	5,583	11,939
Cherokee	27,300	14,295	13,005	Person	18,857	9,580	9,277
Chowan	16,086	4,630	11,456	Pitt	27,899	12,891	15,008
Clay	5,815	4,670	1,145	Polk	23,920	10,546	13,374
Cleveland	20,556	16,038	4,518	Randolph	8,097	4,863	3,234
Columbus	64,219	33,647	30,572	Richmond	30,797	17,859	12,938
Craven	243,249	183,262	59,987	Robeson	40,755	28,724	12,031
Cumberland	34,046	25,635	8,411	Rockingham	7,197	3,270	3,927
Currituck	4,681	331	4,350	Rowan	7,905	5,400	2,505
Dare	7,493	7,464	29	Rutherford	59,660	34,990	24,670
Davidson	18,302	11,032	7,270	Sampson	90,037	59,894	30,143
Davie	2,744	1,416	1,328	Scotland	12,906	10,559	2,347
Duplin	99,639	77,060	22,579	Stanly	19,246	12,040	7,206
Durham	31,489	19,662	11,827	Stokes	4,948	2,099	2,849
Edgecombe	23,854	13,628	10,226	Surry	2,134	1,152	982
Forsyth	8,934	6,694	2,240	Swain	4,358	2,997	1,361
Franklin	68,555	46,668	21,887	Transylvania	12,599	225	12,374
Gaston	26,796	18,060	8,736	Tyrrell	12,717	10,463	2,254
Gates	17,494	7,656	9,838	Union	36,479	26,367	10,112
Graham	2,393	751	1,642	Vance	5,496	2,737	2,759
Granville	56,375	36,347	20,028	Wake	69,997	43,562	26,435
Greene	9,867	4,537	5,330	Warren	36,461	25,952	10,509
Guilford	8,256	4,443	3,813	Washington	24,763	13,732	11,031
Halifax	41,290	23,444	17,846	Watauga	490	3	487
Harnett	14,000	7,092	6,908	Wayne	16,969	6,468	10,501
Haywood	6,687	487	6,200	Wilkes	29,554	8,189	21,365
Henderson	8,535	2,323	6,212	Wilson	55,032	30,321	24,711
Hertford	30,472	11,744	18,728	Yadkin	10,006	5,460	4,546
Hoke	19,643	17,160	2,483	Yancey	1,554	61	1,493
Hyde	11,321	9,541	1,780	All counties	2,757,816	1,680,674	1,077,142
Iredell	29,274	22,151	7,123				
Jackson	8,172	484	7,688				
Johnston	38,289	8,380	29,909				
Jones	30,687	22,861	7,826				

^{1/} Counties with no pulpwood production are omitted.

Table 14.--Round pulpwood production in Oklahoma, 1977

County ^{1/}	All species	Softwood	Hardwood
- - - - Standard cords - - - -			
Choctaw	1,676	442	1,234
Latimer	586	586	0
Le Flore	49,384	38,748	10,636
Lincoln	1,234	0	1,234
McCurtain	174,260	127,265	46,995
Mayes	3,767	0	3,767
Okfuskee	514	0	514
Pushmataha	97,409	64,520	32,889
Wagoner	801	0	801
All counties	329,631	231,561	98,070

^{1/} Counties with no pulpwood production are omitted.

Table 15.--Round pulpwood production in South Carolina, 1977

County	All species	Softwood	Hardwood	County	All species	Softwood	Hardwood
- - - - Standard cords - - - -				- - - - Standard cords - - - -			
Abbeville	111,978	79,515	32,463	Jasper	52,137	41,684	10,453
Aiken	57,313	51,752	5,561	Kershaw	125,334	84,908	40,426
Allendale	27,664	24,322	3,342	Lancaster	62,568	49,430	13,138
Anderson	81,268	65,912	15,356	Laurens	67,748	55,145	12,603
Bamberg	33,307	30,753	2,554	Lee	15,617	10,685	4,932
Barnwell	56,722	55,876	846	Lexington	38,138	34,149	3,989
Beaufort	12,528	10,161	2,367	McCormick	103,789	88,399	15,390
Berkeley	41,945	33,458	8,487	Marion	22,748	9,775	12,973
Calhoun	5,944	5,112	832	Marlboro	45,179	21,359	23,820
Charleston	27,540	17,740	9,800	Newberry	99,165	69,919	29,246
Cherokee	23,030	17,861	5,169	Oconee	33,439	19,065	14,374
Chester	116,491	100,777	15,714	Orangeburg	100,410	40,071	60,339
Chesterfield	110,531	85,802	24,729	Pickens	22,971	13,959	9,012
Clarendon	43,402	40,880	2,522	Richland	62,454	53,893	8,561
Colleton	75,989	36,537	39,452	Saluda	24,388	17,375	7,013
Darlington	24,634	12,364	12,270	Spartanburg	63,973	52,528	11,445
Dillon	32,118	25,919	6,199	Sumter	26,938	19,493	7,445
Dorchester	30,200	9,500	20,700	Union	85,989	64,490	21,499
Edgefield	83,365	67,428	15,937	Williamsburg	50,405	33,034	17,371
Fairfield	134,854	107,974	26,880	York	77,556	61,368	16,188
Florence	27,952	14,769	13,183	All counties	2,683,178	1,962,989	720,189
Georgetown	75,422	58,749	16,673				
Greenville	20,125	16,500	3,625				
Greenwood	113,526	63,685	49,841				
Hampton	47,825	29,202	18,623				
Horry	86,559	59,712	26,847				

Table 16 --Round pulpwood production in Tennessee, 1977

County ^{1/}	All species	Softwood	Hardwood	County ^{1/}	All species	Softwood	Hardwood
- - - - Standard cords - - - -				- - - - Standard cords - - - -			
Anderson	3,233	2,306	927	Johnson	3,388	175	3,213
Benton	22,231	4,849	17,382	Knox	7,537	6,297	1,240
Bledsoe	5,416	4,815	601	Lauderdale	293	6	287
Blount	11,634	9,858	1,776	Lawrence	8,509	3,338	5,171
Bradley	19,138	17,629	1,509	Lewis	2,636	2,620	16
Campbell	625	0	625	Loudon	2,770	1,897	873
Carroll	3,152	4	3,148	McMinn	25,672	22,803	2,869
Carter	4,481	232	4,249	McNairy	9,688	7,921	1,767
Chester	1,437	1,227	210	Macon	1,491	0	1,491
Claiborne	2,295	119	2,176	Madison	104	104	0
Clay	33	0	33	Marion	4,509	0	4,509
Cocke	9,979	3,010	6,969	Meigs	11,065	6,177	4,888
Coffee	3,287	3,287	0	Monroe	18,695	15,442	3,253
Cumberland	13,611	7,496	6,115	Morgan	12,267	6,024	6,243
Decatur	2,601	720	1,881	Obion	610	0	610
Dickson	5,468	0	5,468	Perry	7,377	597	6,780
Dyer	84	0	84	Pickett	2,674	0	2,674
Fentress	6,802	3,480	3,322	Polk	9,669	7,250	2,419
Franklin	7,871	0	7,871	Putnam	6,848	0	6,848
Gibson	442	0	442	Rhea	12,310	6,888	5,422
Giles	6,700	6,065	635	Roane	14,844	10,989	3,855
Grainger	1,485	0	1,485	Scott	4,943	3,552	1,391
Greene	7,094	497	6,597	Sequatchie	1,479	858	621
Grundy	34,022	5,257	28,765	Sevier	162	118	44
Hamblen	990	0	990	Stewart	1,319	0	1,319
Hamilton	7,977	5,816	2,161	Sullivan	1,312	68	1,244
Hancock	3,621	201	3,420	Unicoi	1,530	79	1,451
Hardeman	4,688	4,006	682	Warren	491	491	0
Hardin	18,705	15,782	2,923	Wayne	46,165	13,215	32,950
Hawkins	1,312	68	1,244	Weakley	2,763	93	2,670
Henry	3,114	71	3,043	White	2,418	0	2,418
Hickman	1,585	0	1,585				
Houston	6,763	0	6,763				
Humphreys	23,384	0	23,384				
Jefferson	100	87	13	All counties	470,898	213,884	257,014

^{1/} Counties with no pulpwood production are omitted.

Table 17.--Round pulpwood production in Texas, 1977

County ^{1/}	All species	Softwood	Hardwood	County ^{1/}	All species	Softwood	Hardwood
- - - - Standard cords - - - -				- - - - Standard cords - - - -			
Anderson	26,629	26,261	368	Nacogdoches	94,983	81,833	13,150
Angelina	93,049	80,981	12,068	Newton	142,141	99,153	42,988
Bowie	28,361	17,221	11,140	Orange	10,520	8,743	1,777
Camp	17,652	16,431	1,221	Panola	57,150	49,407	7,743
Cass	120,363	89,150	31,213	Polk	133,639	109,671	23,968
Chambers	209	209	0	Red River	14,409	8,531	5,878
Cherokee	99,650	93,822	5,828	Rusk	71,930	58,945	12,985
Franklin	1,210	1,045	165	Sabine	30,502	24,362	6,140
Gregg	38,905	37,052	1,853	San Augustine	91,602	73,820	17,782
Grimes	7,340	7,340	0	San Jacinto	28,346	26,209	2,337
Hardin	92,318	64,980	27,338	Shelby	139,356	123,082	16,274
Harris	2,043	1,021	1,022	Smith	52,865	52,665	200
Harrison	62,845	50,599	12,246	Titus	7,247	7,024	223
Henderson	4,085	2,929	1,156	Trinity	171,628	167,021	4,607
Hopkins	7	7	0	Tyler	124,502	96,902	27,600
Houston	88,743	75,414	13,329	Upshur	63,186	60,858	2,328
Jasper	126,886	96,568	30,318	Van Zandt	11	11	0
Jefferson	6,254	3,430	2,824	Walker	35,124	28,215	6,909
Liberty	46,205	37,845	8,360	Waller	154	0	154
Madison	7,196	7,196	0	Wood	19,812	17,985	1,827
Marion	100,459	75,673	24,786	All counties	2,340,269	1,944,322	395,947
Montgomery	38,526	31,871	6,655				
Morris	42,027	32,840	9,187				

^{1/} Counties with no pulpwood production are omitted.

Table 18.--Round pulpwood production in Virginia, 1977

County ^{1/}	All species	Softwood	Hardwood	County ^{1/}	All species	Softwood	Hardwood
- - - Standard cords - - - -				- - - Standard cords - - - -			
Accomack	13,382	13,366	16	Lancaster	2,745	2,603	142
Albemarle	37,615	16,415	21,200	Lee	5,124	270	4,854
Alleghany	15,893	2,056	13,837	Loudoun	8	0	8
Amelia	28,854	13,606	15,248	Louisa	20,413	14,659	5,754
Amherst	42,213	10,028	32,185	Lunenburg	52,361	14,910	37,451
Appomattox	59,861	30,428	29,433	Madison	41	17	24
Arlington	4,569	24	4,545	Mathews	4,602	2,539	2,063
Augusta	13,441	4,108	9,333	Mecklenburg	39,375	26,584	12,791
Bath	22,230	2,786	19,444	Middlesex	5,457	3,606	1,851
Bedford	39,687	7,495	32,192	Montgomery	513	29	484
Bland	6	4	2	Nelson	67,702	24,157	43,545
Botetourt	23,209	3,494	19,715	New Kent	14,482	8,499	5,983
Brunswick	55,502	36,421	19,081	Newport News	80	80	0
Buchanan	83	73	10	Northampton	4,086	1,570	2,516
Buckingham	127,644	55,271	72,373	Northumberland	943	886	57
Campbell	54,564	30,787	23,777	Nottoway	30,827	20,506	10,321
Caroline	26,003	15,875	10,128	Orange	7,663	3,190	4,473
Carroll	20	14	6	Page	35	25	10
Charles City	19,045	10,281	8,764	Patrick	2,360	1,533	827
Charlotte	34,783	20,125	14,658	Pittsylvania	56,974	39,070	17,904
Chesapeake	18,570	5,059	13,511	Powhatan	5,736	2,987	2,749
Chesterfield	19,324	10,852	8,472	Prince Edward	43,135	29,934	13,201
Clarke	415	5	410	Prince George	35,728	11,990	23,738
Craig	14,445	2,299	12,146	Prince William	6,947	5,478	1,469
Culpeper	3,170	3,022	148	Pulaski	970	37	933
Cumberland	40,389	29,000	11,389	Rappahannock	38	38	0
Dinwiddie	34,374	13,128	21,246	Richmond	4,662	4,129	533
Essex	15,758	12,948	2,810	Roanoke	2,017	199	1,818
Fairfax	20	11	9	Rockbridge	33,805	6,781	27,024
Fauquier	9,851	9,453	398	Rockingham	6,674	1,787	4,887
Floyd	5,450	45	5,405	Scott	2,952	153	2,799
Fluvanna	25,501	17,156	8,345	Shenandoah	3,512	2,238	1,274
Franklin	28,659	14,474	14,185	Smyth	3,813	198	3,615
Frederick	8,206	6,586	1,620	Southampton	33,368	14,938	18,430
Giles	9	3	6	Spotsylvania	20,405	15,724	4,681
Gloucester	6,741	5,287	1,454	Stafford	8,083	1,983	6,100
Goochland	21,096	16,562	4,534	Suffolk	21,965	7,622	14,343
Grayson	9	9	0	Surry	14,907	4,574	10,333
Greene	1,304	965	339	Sussex	30,816	18,765	12,051
Greensville	23,791	11,747	12,044	Virginia Beach	1,573	509	1,064
Halifax	29,718	14,456	15,262	Warren	9,440	4,299	5,141
Hanover	18,533	11,327	7,206	Washington	4,248	221	4,027
Henrico	3,483	2,014	1,469	Westmoreland	2,534	2,445	89
Henry	25,061	15,098	9,963	Wise	3,812	198	3,614
Highland	5,029	188	4,841	Wythe	2,614	136	2,478
Isle of Wight	17,859	5,596	12,263	York	2,938	2,208	730
James City	7,704	4,490	3,214	All counties	1,680,249	825,658	854,591
King and Queen	34,674	23,925	10,749				
King George	4,666	4,172	494				
King William	15,353	8,820	6,533				

^{1/} Counties with no pulpwood production are omitted.

Southern pulp mills in 1977, and those under construction. Numbers at mill locations correspond to numbers in tables 19 and 21.

MILL CAPACITY (TONS PER DAY)

- LESS THAN 250
- 250 TO 499
- ▲ 500 TO 999
- 1000 TO 1499
- ◆ 1500 OR MORE
- MILLS UNDER CONSTRUCTION

● LESS THAN 250
 ● 250 TO 499
 ▲ 500 TO 999
 ■ 1000 TO 1499
 ◆ 1500 OR MORE
 ○ MILLS UNDER CO

Table 19.--Southern pulpmills, by process and capacity, 1977

Location	Map code ^{1/}	Company	Pulping capacity, 24 hours ^{2/}				
			All processes	Sulfate	Groundwood: and other mechanical	Semi- chemical	Soda and sulfite
			Tons				
ALABAMA							
Mahrt	(1)	Alabama Kraft Co.	1,000	1,000	--	--	--
Jackson	(2)	Allied Paper Inc.	600	600	--	--	--
Naheola	(3)	American Can Co.	900	900	--	--	--
Courtland	(4)	Champion International Corp.	600	600	--	--	--
Brewton	(5)	Container Corp. of America	800	800	--	--	--
Mobile	(6)	GAF Corp.	50	--	50	--	--
Demopolis	(7)	Gulf States Paper Corp.	500	500	--	--	--
Tuscaloosa	(8)	Gulf States Paper Corp.	450	450	--	--	--
Riverdale	(9)	Hammermill Paper Co.	530	530	--	--	--
Mobile	(10)	International Paper Co.	1,500	1,200	300	--	--
Coosa Pines	(11)	Kimberly-Clark Corp.	1,425	485	940	--	--
Pine Hill	(12)	McMillan Bloedel Inc.	1,100	1,100	--	--	--
Stevenson	(13)	Mead Paperboard	650	--	--	650	--
Mobile	(14)	National Gypsum Co.	375	--	200	175	--
Mobile	(15)	Scott Paper Co.	1,400	1,400	--	--	--
Montgomery	(16)	Union Camp Corp.	1,000	1,000	--	--	--
Total			12,880	10,565	1,490	825	--
ARKANSAS							
Morrilton	(17)	Arkansas Kraft Corp.	800	800	--	--	--
Crossett	(18)	Georgia-Pacific Corp.	1,410	1,410	--	--	--
Camden	(19)	International Paper Co.	750	750	--	--	--
Pine Bluff	(20)	International Paper Co.	1,700	1,300	400	--	--
Ashdown	(21)	Nekoosa Papers Inc.	550	550	--	--	--
McGehee	(22)	Potlatch Corp.	450	450	--	--	--
Little Rock	(23)	Superwood Corp.	140	--	140	--	--
Pine Bluff	(24)	Weyerhaeuser Co.	250	250	--	--	--
Total			6,050	5,510	540	--	--
FLORIDA							
Blountstown	(25)	Abitibi Corp.	200	--	200	--	--
Jacksonville	(26)	Alton Box Board Co.	625	625	--	--	--
Foley	(27)	The Buckeye Cellulose Corp.	1,000	1,000	--	--	--
Fernandina Beach	(28)	Container Corp. of America	1,700	1,700	--	--	--
Palatka	(29)	Hudson Pulp and Paper Corp.	1,050	1,050	--	--	--
Panama City	(30)	International Paper Co.	1,415	1,415	--	--	--
Fernandina Beach	(31)	I.T.T. Rayonier Inc.	400	--	--	--	400
Port St. Joe	(32)	St. Joe Paper Co.	1,700	1,700	--	--	--
Jacksonville	(33)	St. Regis Paper Co.	1,400	1,400	--	--	--
Pensacola	(34)	St. Regis Paper Co.	900	900	--	--	--
Total			10,390	9,790	200	--	400
GEORGIA							
Augusta	(35)	Abitibi Southern Corp.	375	--	375	--	--
Macon	(36)	Armstrong Cork Co.	400	--	400	--	--
Brunswick	(37)	Brunswick Pulp and Paper Co.	1,640	1,640	--	--	--
Savannah	(38)	Certain-teed Products Corp.	80	--	--	80	--
Augusta	(39)	Continental Forest Industries	700	700	--	--	--
Port Wentworth	(40)	Continental Forest Industries	675	675	--	--	--
Savannah	(41)	GAF Corp.	48	--	48	--	--
Macon	(42)	Georgia Kraft Co., Mead Div.	900	900	--	--	--
Rome	(43)	Georgia Kraft Co., Krannert Div.	1,600	1,600	--	--	--
St. Marys	(44)	Gilman Paper Co., St. Marys Kraft Div.	1,100	1,100	--	--	--
Cedar Springs	(45)	Great Southern Paper Co.	2,025	1,700	--	325	--
Riceboro	(46)	Interstate Paper Corp.	550	550	--	--	--
Jesup	(47)	I.T.T. Rayonier Inc.	1,266	1,266	--	--	--
Valdosta	(48)	Owens-Illinois, Forest Products Div.	875	875	--	--	--
Savannah	(49)	Union Camp Corp.	3,000	2,600	--	400	--
Total			15,234	13,606	823	805	--

continues

Table 19.--Southern pulpmills, by process and capacity, 1977 (Continued)

Location	Map code ^{1/}	Company	Pulping capacity, 24 hours ^{2/}				
			All processes	Sulfate	Groundwood: and other mechanical	Semi- chemical	Soda and sulfite
			----- Tons -----				
LOUISIANA							
Shreveport	(50)	Bird and Son, Inc.	225	--	--	225	--
DeRidder	(51)	Boise Southern Co.	1,500	1,050	450	--	--
Elizabeth	(52)	Calkraft Paper Co.	305	305	--	--	--
Hodge	(53)	Continental Forest Industries	1,650	1,400	--	250	--
Bogalusa	(54)	Crown Zellerbach Corp.	1,450	1,300	--	150	--
St. Francisville	(55)	Crown Zellerbach Corp.	500	500	--	--	--
Port Hudson	(56)	Georgia-Pacific Corp.	1,240	1,240	--	--	--
Bastrop	(57)	International Paper Co. (Bastrop Mill)	485	--	--	485	--
Bastrop	(58)	International Paper Co. (Louisiana Mill)	1,100	1,100	--	--	--
Springhill	(59)	International Paper Co.	1,625	1,625	--	--	--
New Orleans	(60)	Masonite Corp.	130	--	130	--	--
West Monroe	(61)	Olinkraft, Inc.	1,400	1,150	--	250	--
Pineville	(62)	Pineville Kraft Corp.	900	900	--	--	--
St. Francisville	(63)	St. Francisville Paper Co.	210	--	210	--	--
Campti	(64)	Western Kraft Corp.	750	750	--	--	--
Total			13,470	11,320	790	1,360	--
MISSISSIPPI							
Meridian	(65)	The Flintkote Co.	250	--	200	50	--
Moss Point	(66)	International Paper Co.	700	700	--	--	--
Natchez	(67)	International Paper Co.	1,000	1,000	--	--	--
Vicksburg	(68)	International Paper Co.	1,200	1,200	--	--	--
Laurel	(69)	Masonite Corp.	1,200	--	1,200	--	--
Monticello	(70)	St. Regis Paper Co.	1,620	1,620	--	--	--
Greenville	(71)	United States Gypsum Co.	500	--	500	--	--
Total			6,470	4,520	1,900	50	--
NORTH CAROLINA							
Roaring River	(72)	Abitibi Corp.	120	--	120	--	--
Goldsboro	(73)	The Celotex Corp.	110	--	110	--	--
Canton	(74)	Champion International Corp.	1,365	1,365	--	--	--
Riegelwood	(75)	Federal Paper Board Co., Inc.	1,450	1,450	--	--	--
Conway	(76)	Georgia-Pacific Corp.	200	--	200	--	--
Roanoke Rapids	(77)	Hoerner Waldorf Div., Champion International Corp.	940	940	--	--	--
New Bern	(78)	Weyerhaeuser Co.	725	725	--	--	--
Plymouth	(79)	Weyerhaeuser Co.	1,900	1,650	--	250	--
Total			6,810	6,130	430	250	--
OKLAHOMA							
Pryor	(80)	Georgia-Pacific Corp.	150	--	150	--	--
Broken Bow	(81)	Weyerhaeuser Co.	520	--	520	--	--
Valiant	(82)	Weyerhaeuser Co.	2,300	1,500	--	800	--
Total			2,970	1,500	670	800	--
SOUTH CAROLINA							
Catawba	(83)	Bowaters Carolina Corp.	1,150	1,000	150	--	--
Catawba	(84)	Catawba Newsprint Co.	500	--	500	--	--
Marion	(85)	The Celotex Corp.	360	--	360	--	--
Georgetown	(86)	International Paper Co.	2,130	1,650	--	480	--
Hartsville	(87)	Sonoco Products Co.	417	--	--	417	--
Florence	(88)	South Carolina Industries, Inc.	1,400	1,400	--	--	--
Charleston	(89)	Westvaco Corp.	1,950	1,950	--	--	--
Total			7,907	6,000	1,010	897	--

continued

Table 19.--Southern pulpmills, by process and capacity, 1977 (Continued)

Location	Map code ^{1/}	Company	Pulping capacity, 24 hours ^{2/}				
			All processes	Sulfate	Groundwood: and other mechanical	Semi- chemical	Soda and sulfite
			----- Tons -----				
TENNESSEE							
Calhoun	(90)	Bowaters Southern Paper Corp.	1,625	500	925	200	--
Paris	(91)	The Celotex Corp.	300	--	--	300	--
Harriman	(92)	Harriman Paperboard Corp.	190	--	--	190	--
New Johnsonville	(93)	Inland Container Corp.	450	--	--	450	--
Kingsport	(94)	Mead Paper	250	--	--	--	250
Counce	(95)	Tennessee River Pulp and Paper Co.	1,200	1,200	--	--	--
Total			4,015	1,700	925	1,140	250
TEXAS							
Houston	(96)	The Celotex Corp.	50	--	50	--	--
Pasadena	(97)	Champion International Corp.	830	750	80	--	--
Dallas	(98)	GAF Corp.	70	--	70	--	--
Texarkana	(99)	International Paper Co.	575	575	--	--	--
Orange	(100)	Owens-Illinois, Forest Products Div.	1,000	1,000	--	--	--
Houston	(101)	Southland Paper Mills, Inc.	1,450	650	800	--	--
Lufkin	(102)	Southland Paper Mills, Inc.	1,200	400	800	--	--
Evadale	(103)	Temple-EasTex Inc.	1,550	1,550	--	--	--
Diboll	(104)	Temple Industries	715	--	715	--	--
Total			7,440	4,925	2,515	--	--
VIRGINIA							
West Point	(105)	The Chesapeake Corp. of Virginia	1,150	1,150	--	--	--
Hopewell	(106)	Continental Forest Industries	1,054	874	--	180	--
Jarratt	(107)	Georgia-Pacific Corp.	240	--	240	525	--
Big Island	(108)	Owens-Illinois, Forest Products Div.	525	--	--	--	--
Franklin	(109)	Union Camp Corp.	1,800	1,800	--	--	--
Danville	(110)	United States Gypsum Co.	375	--	375	--	--
Riverville	(111)	Virginia Fiber Corp.	510	--	--	510	--
Covington	(112)	Westvaco Corp.	1,304	1,144	--	160	--
Doswell	(113)	Weyerhaeuser Co.	300	--	300	--	--
Total			7,258	4,968	915	1,375	--
Total South			100,894	80,534	12,208	7,502	650

^{1/} Corresponds to numbers at locations on mill capacity map, page 17.^{2/} Southern Pulp and Paper Manufacturer, vol. 40, No. 10 (October 1977); and other sources.

Table 20.--Other mills using southern pulpwood in 1977, by process and capacity

Location	Company	Pulping capacity, 24 hours				
		All processes	Sulfate	Groundwood: and other mechanical	Semi-chemical	Soda and sulfite
----- Tons -----						
ILLINOIS						
Wilmington	The Celotex Corp.	30	--	30	--	--
Joliet	GAF Corp.	240	--	240	--	--
KENTUCKY						
Wickliffe	Westvaco Corp.	600	600	--	--	--
MARYLAND						
Luke	Westvaco Corp.	758	758	--	--	--
MISSOURI						
Kansas City	GAF Corp.	90	--	90	--	--
OHIO						
Franklin	Bird and Son, Inc.	60	--	60	--	--
Milan	Certain-teed Products Corp.	90	--	90	--	--
Chillicothe	The Mead Corp.	600	600	--	--	--
PENNSYLVANIA						
Roaring Spring	Appleton Papers, Inc.	180	180	--	--	--
York	Certain-teed Products Corp.	50	--	50	--	--
Spring Cove	P. H. Glatfelter Co.	500	500	--	--	--

Table 21.--Pulpmills under construction in the South

Location	Map code ^{1/}	Company	Pulping capacity, 24 hours
----- Tons -----			

ALABAMA

Claiborne (114) Alabama River Pulp Co. 1,000

^{1/} Corresponds to numbers at location on mill capacity map, page 17.

Bellamy, Thomas R.

1978. Southern pulpwood production, 1977. U.S. Dep. Agric. For. Serv., Resour. Bull. SE-46, 21 p. Southeast. For. Exp. Stn., Asheville, N.C.

Southern pulpwood production increased 3 percent in 1977 to 48.9 million cords. Roundwood production increased slightly while use of plant byproducts rose 9 percent. The use of plant byproducts continues to increase and now contributes 34 percent of the total. Pulping capacity increased to 100,894 tons per day.

Keywords: Pulpwood, roundwood, plant byproducts, pulping capacity.



The Forest Service, U.S. Department of Agriculture, is dedicated to the principle of multiple management of the Nation's forest resources for sustained yields of wood, water, forage, wildlife, and recreation. Through forestry research, cooperation with the States and private forest owners, and management of the National Forest and Grasslands, it strives - as directed by Congress - to provide increasingly greater service to a growing Nation.

USDA policy does not permit discrimination because of race, color, national origin, sex or religion. Any person who believes he or she has been discriminated against in any USDA-related activity should write immediately to the Secretary of Agriculture, Washington, D.C. 20250.