

Changes In Tennessee Agriculture By Counties 1954-1964

by Larry M. Boone and Curtis F. Lard

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MAY 8-1968

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Changes in Tennessee Agriculture By Counties 1954-1964

INTRODUCTION

by

Larry M. Boone and Curtis F. Lard¹

The dynamic nature of Tennessee agriculture makes it important that all people who serve or are interested in this sector of Tennessee's economy keep well informed of the important changes taking place. Because of the importance of these changes to farmers, agricultural service agencies, agricultural supply firms, and consumers of farm commodities, some of the more significant changes are indicated by the maps and tables presented in this report.

Data from the 1954, 1959, and 1964 Agricultural Census Reports are presented in a form which allows convenient observation of the changes which have occurred in selected farm or operator characteristics from 1954-1964. For each selected characteristic a table is included which contains the 1954, 1959, and 1964 county census data to indicate the magnitude and direction of changes for each county. The rank of the 20 counties with the highest levels for each characteristic are also included, and in certain cases maps are used to present interesting patterns of concentration.

The important changes in Tennessee agriculture, as presented in this report, are grouped into five main parts; namely, general farm characteristics, livestock, crops, purchased inputs, and characteristics of farm operators. All data are from the 1954, 1959, and 1964 Census of Agriculture Reports.

¹ Assistant Professor and Former Associate Professor of Agricultural Economics, respectively.

GENERAL FARM CHARACTERISTICS

It is difficult for individuals who serve farm operators to be effective without knowing the problems of farmers in their area and how these problems compare with those of farmers in other areas. Data concerning farm numbers, size, and value are basic to this knowledge.

This section includes the number and average size of farms, average value of land and buildings, and average value of sales of all farm products for farms in each county in Tennessee. Differences between counties are large, and these differences help to point out problems of farmers in each area or county of the state.

The number of farms in Tennessee declined from 203,411 in 1954 to 133,485 in 1964. Within the state, the number of farms per county in 1964 varied from 4,737 in Greene County to 222 in Lake County. The average farm size in 1964 ranged from 387 acres in Lake County to 46 acres in Unicoi County. Lake County also had the highest average investment per farm in land and buildings in 1964 with \$124,308. Hancock County had the smallest investment with \$9,929 per farm.

The change in definition of a farm which the Bureau of the Census instituted in 1959 accounts for a substantial part of the large changes from 1954-1959 in this section. The elimination of many small farms, especially in East Tennessee counties, may have accounted for as much as half of the change in farm numbers in this period, resulting in higher average investment in land and buildings and investment per farm.

Table 1. Number of farms in Tennessee counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	1,616	897	760	Hamilton	1,886	990	793	Morgan	938	731	559
Bedford	2,396	1,798	1,589	Hancock	1,687	1,426	1,328	Obion	2,347	2,055	1,533
Benton	1,023	790	712	Hardeman	2,719	1,895	1,581	Overton	2,201	1,671	1,207
Bledsoe	872	721	518	Hardin	2,047	1,321	1,047	Perry	700	598	473
Blount	2,883	2,139	1,501	Hawkins	3,604	3,134	2,690	Pickett	731	732	560
Bradley	1,391	1,186	946	Haywood	4,387	3,181	2,432	Polk	761	438	307
Campbell	1,595	1,007	800	Henderson	2,401	1,733	1,483	Putnam	2,455	2,034	1,870
Cannon	1,431	1,211	1,028	Henry	2,470	1,828	1,569	Rhea	1,048	679	524
Carroll	3,215	2,424	2,044	Hickman	1,450	1,054	932	Roane	1,268	983	893
Carter	2,541	1,861	1,323	Houston	599	425	376	Robertson	3,024	2,229	2,104
Cheatham	1,277	1,015	866	Humphreys	1,031	777	701	Rutherford	3,330	2,484	2,176
Chester	1,415	990	932	Jackson	1,930	1,500	1,505	Scott	1,046	697	428
Claiborne	2,614	2,552	2,404	Jefferson	2,164	1,684	1,753	Sequatchie	455	313	231
Clay	1,079	965	929	Johnson	1,884	1,708	1,561	Sevier	2,611	2,360	2,286
Cocke	2,388	1,865	1,662	Knox	3,623	2,444	1,803	Shelby	5,332	2,991	2,052
Coffee	1,694	1,481	1,371	Lake	690	404	222	Smith	2,440	2,050	1,742
Crockett	2,559	1,990	1,517	Lauderdale	3,236	2,396	1,872	Stewart	1,178	835	688
Cumberland	1,525	1,266	982	Lawrence	3,154	2,438	2,142	Sullivan	3,496	2,589	2,390
Davidson	2,483	1,616	1,180	Lewis	518	438	337	Sumner	3,511	3,037	2,757
Decatur	1,013	929	697	Lincoln	3,336	2,859	2,301	Tipton	4,001	2,703	2,146
DeKalb	1,628	1,502	1,235	Loudon	1,327	1,118	1,105	Trousdale	915	665	690
Dickson	1,904	1,409	1,367	McMinn	1,968	1,796	1,504	Unicoi	965	750	668
Dyer	2,721	1,848	1,452	McNairy	2,540	1,857	1,491	Union	1,460	1,131	994
Fayette	4,189	3,373	2,495	Macon	2,408	1,937	1,759	Van Buren	396	431	299
Fentress	1,460	1,045	926	Madison	3,585	2,767	2,047	Warren	2,281	1,810	1,713
Franklin	2,246	1,983	1,583	Marion	878	676	513	Washington	3,613	3,067	2,471
Gibson	4,803	3,991	3,037	Marshall	1,968	1,659	1,392	Wayne	1,442	1,138	947
Giles	3,369	2,594	2,297	Maury	3,002	2,273	2,035	Weakley	3,553	2,634	2,199
Grainger	2,293	1,893	1,909	Meigs	705	519	464	White	1,886	1,545	1,479
Greene	5,954	4,861	4,737	Monroe	2,463	1,996	1,633	Williamson	2,664	1,996	1,772
Grundy	582	512	454	Montgomery	2,426	1,964	1,676	Wilson	2,922	2,501	2,232
Hamblen	1,486	1,376	1,197	Moore	715	531	558	Total	203,411	157,695	133,445

Table 2. The 20 Tennessee counties with the most farms per county, 1964

Farms per county			
Greene	4,737	Giles	2,297
Gibson	3,037	Sevier	2,286
Sumner	2,757	Wilson	2,232
Hawkins	2,690	Weakley	2,199
Fayette	2,495	Rutherford	2,176
Washington	2,471	Tipton	2,146
Haywood	2,432	Lawrence	2,142
Claiborne	2,404	Robertson	2,104
Sullivan	2,390	Shelby	2,052
Lincoln	2,301	Madison	2,047

Table 3. Average farm size in Tennessee, (acres per farm), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	55	68	81	Hamilton	73	102	112	Morgan	86	102	124
Bedford	121	140	154	Hancock	68	78	83	Obion	119	139	185
Benton	123	137	147	Hardeman	117	146	171	Overton	81	97	120
Bledsoe	135	154	231	Hardin	118	149	154	Perry	222	229	260
Blount	61	75	81	Hawkins	66	70	80	Pickett	73	80	91
Bradley	101	117	127	Haywood	68	83	103	Polk	90	130	147
Campbell	48	64	68	Henderson	105	124	134	Putnam	73	85	87
Cannon	105	116	132	Henry	109	140	150	Rhea	109	120	131
Carroll	90	106	123	Hickman	153	165	191	Roane	86	96	104
Carter	35	40	49	Houston	133	156	160	Robertson	93	134	126
Cheatham	103	112	114	Humphreys	177	191	217	Rutherford	99	127	145
Chester	101	116	129	Jackson	88	105	105	Scott	89	84	164
Claiborne	56	66	68	Jefferson	75	79	76	Sequatchie	118	126	170
Clay	103	111	116	Johnson	60	61	69	Sevier	69	74	75
Cocke	69	78	74	Knox	53	71	75	Shelby	61	97	133
Coffee	108	122	127	Lake	110	207	387	Smith	81	95	109
Crockett	63	78	110	Lauderdale	68	92	122	Stewart	136	151	158
Cumberland	96	94	121	Lawrence	94	105	111	Sullivan	49	57	57
Davidson	82	102	112	Lewis	150	144	164	Sumner	80	91	96
Decatur	145	161	166	Lincoln	100	117	130	Tipton	66	87	109
DeKalb	99	94	109	Loudon	95	102	102	Trousdale	81	99	94
Dickson	117	130	146	McMinn	106	107	118	Unicoi	41	47	46
Dyer	102	140	169	McNairy	104	115	130	Union	59	66	67
Fayette	92	109	153	Macon	74	88	93	Van Buren	95	108	136
Fentress	84	104	134	Madison	81	97	123	Warren	95	115	115
Franklin	94	100	121	Marion	90	122	136	Washington	45	52	56
Gibson	69	87	109	Marshall	115	129	143	Wayne	163	180	200
Giles	103	123	137	Maury	115	135	147	Weakley	92	105	118
Grainger	65	73	71	Meigs	138	141	167	White	90	97	117
Greene	56	66	65	Monroe	83	93	102	Williamson	116	139	151
Grundy	88	90	104	Montgomery	105	122	136	Wilson	103	115	125
Hamblen	59	64	66	Moore	92	113	113	Average	93.1	102.0	124.6

Table 4. The 20 Tennessee counties with the largest average farm size, 1964

(Acres per farm)			
Lake	387	Meigs	167
Perry	260	Decatur	166
Bledsoe	231	Lewis	164
Humphreys	217	Scott	164
Wayne	200	Houston	160
Hickman	191	Stewart	158
Obion	185	Bedford	154
Hardeman	171	Hardin	154
Sequatchie	170	Fayette	153
Dyer	169	Williamson	151

Table 5. Average value of land and buildings on Tennessee farms (dollars per farm), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	7,488	10,619	17,225	Hamilton	6,207	15,119	27,143	Morgan	4,960	7,135	12,806
Bedford	9,036	17,443	21,179	Hancock	4,781	8,422	9,929	Obion	13,766	21,555	40,347
Benton	4,551	8,735	17,626	Hardeman	4,832	10,489	19,348	Overton	3,644	6,988	11,804
Bledsoe	6,448	11,862	22,130	Hardin	5,031	10,485	16,306	Perry	7,909	9,533	14,121
Blount	9,428	13,719	22,454	Hawkins	6,512	10,161	16,432	Pickett	4,184	7,104	12,342
Bradley	8,017	18,136	22,814	Haywood	6,314	9,122	25,224	Polk	4,262	13,688	22,275
Campbell	5,326	6,944	11,539	Henderson	4,875	8,229	16,522	Putnam	6,655	10,349	14,334
Cannon	6,250	7,892	12,100	Henry	6,891	11,541	16,706	Rhea	8,276	10,066	16,637
Carroll	4,676	8,177	15,248	Hickman	7,104	10,554	16,239	Roane	6,383	9,458	16,366
Carter	6,945	8,613	13,967	Houston	4,587	7,334	13,782	Robertson	9,509	20,498	25,213
Cheatham	8,901	10,773	20,009	Humphreys	6,862	10,782	22,523	Rutherford	7,734	13,636	24,263
Chester	4,945	8,432	20,215	Jackson	6,340	8,741	15,677	Scott	2,684	7,519	16,198
Claiborne	5,410	8,426	11,653	Jefferson	9,919	15,805	21,918	Sequatchie	8,355	10,949	22,612
Clay	5,277	7,323	13,430	Johnson	7,332	11,592	12,794	Sevier	7,238	9,613	13,496
Cocke	5,105	7,962	14,697	Knox	12,104	21,334	29,630	Shelby	13,969	30,651	61,581
Coffee	9,522	13,482	20,917	Lake	23,245	56,358	124,308	Smith	6,817	11,614	17,144
Crockett	8,220	12,316	30,174	Lauderdale	7,054	12,635	27,467	Stewart	5,781	8,193	21,162
Cumberland	6,472	6,888	16,250	Lawrence	5,271	9,353	13,023	Sullivan	9,038	19,165	21,847
Davidson	14,129	30,424	42,681	Lewis	4,482	8,806	12,229	Sumner	9,041	17,056	23,819
Decatur	6,624	8,171	17,773	Lincoln	7,473	10,839	16,064	Tipton	7,439	13,784	31,561
DeKalb	7,003	8,632	16,106	Loudon	10,133	15,814	27,452	Trousdale	10,528	11,517	16,084
Dickson	5,854	9,316	17,472	McMinn	9,228	12,239	19,991	Unicoi	6,258	10,356	11,183
Dyer	12,857	26,680	49,396	McNairy	3,934	7,019	13,164	Union	3,892	7,378	10,138
Fayette	4,832	7,002	26,541	Macon	4,736	7,432	11,865	Van Buren	4,174	6,794	12,855
Fentress	5,519	6,452	10,987	Madison	6,227	12,093	25,614	Warren	6,820	11,980	20,250
Franklin	8,909	14,149	22,013	Marion	6,206	11,095	22,792	Washington	10,460	17,314	24,862
Gibson	4,478	11,178	30,182	Marshall	8,253	10,959	15,934	Wayne	3,933	8,376	11,479
Giles	7,205	10,103	15,416	Mauzy	9,410	17,904	26,224	Weakley	6,719	11,245	18,850
Grainger	5,040	8,089	11,640	Meigs	5,775	11,843	16,350	White	6,810	11,557	16,555
Greene	8,718	13,173	19,818	Monroe	6,295	12,343	20,898	Williamson	11,873	19,855	34,672
Grundy	4,417	8,371	10,488	Montgomery	7,615	13,725	24,687	Wilson	8,496	11,584	21,247
Hamblen	10,157	14,816	21,410	Moore	4,865	8,627	12,637	Average	7,525	12,488	20,974

Table 6. The 20 Tennessee counties with the highest average values of land and buildings per farm, 1964

(Dollars per farm)

Lake	124,308	Lauderdale	27,467
Shelby	61,581	Loudon	27,452
Dyer	49,396	Hamilton	27,143
Davidson	42,681	Fayette	26,541
Obion	40,347	Maury	26,224
Williamson	34,672	Madison	25,614
Tipton	31,561	Haywood	25,224
Gibson	30,182	Robertson	25,213
Crockett	30,174	Washington	24,862
Knox	29,630	Montgomery	24,687

Table 7. Average value of all farm products sold per farm in Tennessee (dollars), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	549	1,438	1,726	Hamilton	1,387	3,724	4,901	Morgan	595	1,310	2,207
Bedford	2,048	3,469	3,860	Hancock	1,190	1,819	2,039	Obion	4,112	5,813	9,776
Benton	914	1,604	2,026	Hardeman	1,931	3,366	5,222	Overton	720	1,590	1,798
Bledsoe	1,409	2,352	3,485	Hardin	1,365	2,154	3,465	Perry	1,177	760	2,247
Blount	963	1,982	2,745	Hawkins	1,145	1,692	2,412	Pickett	1,110	1,594	2,093
Bradley	2,027	3,656	5,136	Haywood	2,060	3,878	5,913	Polk	847	2,757	3,064
Campbell	573	1,325	1,607	Henderson	1,891	3,155	4,143	Putnam	957	1,537	1,717
Cannon	1,094	1,986	2,005	Henry	1,623	3,237	5,123	Rhea	955	1,894	2,857
Carroll	1,405	2,878	3,555	Hickman	1,204	2,429	2,846	Roane	737	1,280	1,776
Carter	481	923	1,366	Houston	947	1,410	1,886	Robertson	3,291	5,663	6,559
Cheatham	1,587	2,230	2,717	Humphreys	1,095	2,182	2,836	Rutherford	1,713	2,964	3,415
Chester	1,893	3,337	4,297	Jackson	1,210	2,004	1,913	Scott	541	2,602	5,351
Claiborne	1,220	1,878	2,086	Jefferson	1,878	3,004	3,359	Sequatchie	1,169	2,941	3,883
Clay	1,339	1,981	2,396	Johnson	1,227	2,196	2,212	Sevier	1,168	1,862	2,039
Cocke	1,372	2,541	3,323	Knox	1,268	2,895	3,608	Shelby	2,446	4,916	7,938
Coffee	1,824	2,765	3,439	Lake	11,498	21,527	36,885	Smith	1,716	2,527	3,612
Crockett	2,967	5,202	7,686	Lauderdale	2,903	4,884	7,553	Stewart	1,533	2,278	3,051
Cumberland	746	1,861	2,895	Lawrence	1,577	2,345	2,476	Sullivan	1,062	1,988	2,269
Davidson	1,828	3,600	4,196	Lewis	1,199	1,730	2,263	Sumner	2,051	3,553	3,983
Decatur	1,231	2,202	2,628	Lincoln	2,159	3,136	3,561	Tipton	2,833	5,175	7,135
DeKalb	1,322	2,080	2,784	Loudon	1,565	2,711	3,432	Trousdale	2,053	3,346	3,945
Dickson	1,264	2,117	2,286	McMinn	1,734	3,017	3,834	Unicoi	739	1,030	1,587
Dyer	3,969	8,312	11,341	McNairy	2,030	2,551	4,194	Union	885	1,318	1,560
Fayette	2,310	3,435	6,199	Macon	1,457	2,102	2,757	Van Buren	848	1,238	2,090
Fentress	747	3,427	5,151	Madison	1,906	3,605	5,590	Warren	1,424	3,391	4,235
Franklin	2,185	3,491	4,245	Marion	969	2,329	3,608	Washington	1,452	2,566	3,727
Gibson	2,523	4,641	7,107	Marshall	1,981	3,301	3,755	Wayne	871	1,812	1,847
Giles	1,651	2,600	2,952	Maury	2,095	3,500	3,830	Weakley	1,800	3,310	5,101
Grainger	1,125	1,791	2,120	Meigs	1,510	2,311	3,030	White	1,218	2,223	2,823
Greene	1,578	2,414	3,390	Monroe	1,295	2,797	3,162	Williamson	2,201	4,207	4,518
Grundy	1,012	2,873	6,940	Montgomery	2,449	3,589	4,471	Wilson	1,705	2,811	4,045
Hamblen	1,664	2,512	3,191	Moore	1,462	2,201	2,853	Average	1,736	3,009	3,968

Table 8. The 20 Tennessee counties with the highest average value of all farm products sold per farm, 1964

(Dollars per farm)			
Lake	36,885	Fayette	6,199
Dyer	11,341	Haywood	5,913
Obion	9,776	Madison	5,590
Shelby	7,938	Scott	5,351
Crockett	7,686	Hardeman	5,222
Lauderdale	7,553	Fentress	5,151
Tipton	7,135	Bradley	5,136
Gibson	7,107	Henry	5,123
Grundy	6,940	Weakley	5,101
Robertson	6,559	Hamilton	4,901

PART II

LIVESTOCK

Livestock enterprises have always been an important part of Tennessee's agriculture. Because wide price fluctuations occur over time for livestock products, it is difficult to interpret livestock income data. However, one of the best indicators of the importance of the major livestock enterprises at any given time is the number of various kinds of animals on farms.

One of the most striking trends in livestock numbers in Tennessee since 1954 has been the rapid increase in beef cattle. There were 1,124,100 beef cattle on farms in 1954, and in 1964 there were 1,766,654 cattle other than milk cows on farms or an increase of 57.2%. Milk cow numbers in Tennessee declined almost 40% between 1954 and 1964, and sheep and lamb numbers declined over 65% during the same period.

Table 9. Number of cattle other than milk cows on Tennessee farms (thousands of head), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	6.0	5.9	7.4	Hamilton	9.3	8.5	11.3	Morgan	3.0	3.2	4.2
Bedford	23.1	25.9	34.9	Hancock	5.8	6.4	8.4	Obion	29.9	32.0	40.9
Benton	3.7	3.9	8.3	Hardeman	14.7	14.5	24.6	Overton	9.2	11.0	16.1
Bledsoe	9.5	12.5	13.8	Hardin	6.8	7.1	11.1	Perry	5.6	5.5	7.8
Blount	19.3	23.1	24.1	Hawkins	15.5	16.2	19.4	Pickett	2.3	3.8	7.2
Bradley	9.9	11.4	13.8	Haywood	20.2	20.9	27.5	Polk	3.3	4.7	5.0
Campbell	5.1	5.6	6.3	Henderson	8.0	9.4	16.1	Putnam	9.8	12.0	19.6
Cannon	8.5	10.4	13.6	Henry	15.5	21.7	32.4	Rhea	6.4	7.2	9.5
Carroll	11.0	13.3	25.9	Hickman	10.6	11.9	18.1	Roane	6.2	6.9	9.5
Carter	5.4	6.2	8.1	Houston	3.2	3.6	6.1	Robertson	20.1	26.8	39.7
Cheatham	6.2	6.8	10.8	Humphreys	7.7	8.0	14.3	Rutherford	24.9	31.3	42.5
Chester	4.1	3.8	6.4	Jackson	8.2	10.0	14.0	Scott	2.8	2.4	4.0
Claiborne	10.5	13.0	17.2	Jefferson	14.5	15.6	19.9	Sequatchie	3.5	3.7	5.4
Clay	4.5	5.2	9.1	Johnson	6.9	8.4	8.6	Sevier	11.8	15.1	17.6
Cocke	8.4	9.7	10.6	Knox	21.0	22.4	22.5	Shelby	31.4	22.9	34.1
Coffee	13.3	14.5	22.2	Lake	1.7	.8	1.4	Smith	12.5	17.6	23.7
Crockett	11.3	13.2	19.7	Lauderdale	15.4	16.2	20.6	Stewart	5.0	6.5	6.9
Cumberland	7.5	7.5	11.8	Lawrence	11.8	11.2	21.8	Sullivan	16.2	16.1	17.6
Davidson	23.1	21.5	25.4	Lewis	1.9	2.4	4.0	Sumner	19.1	29.3	39.4
Decatur	6.5	7.2	10.1	Lincoln	25.7	28.1	37.3	Tipton	19.1	18.3	25.9
DeKalb	9.2	11.9	14.6	Loudon	11.8	11.5	16.5	Trousdale	4.1	5.8	8.4
Dickson	11.3	14.1	22.9	McMinn	13.3	16.6	19.4	Unicoi	1.2	1.5	2.0
Dyer	22.3	22.7	31.0	McNairy	6.4	4.9	8.8	Union	5.3	5.5	6.6
Fayette	26.9	29.0	44.5	Macon	5.4	8.7	13.3	Van Buren	2.2	3.3	4.6
Fentress	5.7	6.5	11.2	Madison	15.0	15.1	27.6	Warren	14.2	18.3	25.5
Franklin	14.9	15.8	30.1	Marion	6.6	6.9	9.2	Washington	18.5	25.7	25.7
Gibson	24.5	28.0	42.7	Marshall	16.5	19.1	25.1	Wayne	7.1	6.7	11.5
Giles	26.2	29.0	41.0	Maury	25.5	30.5	40.9	Weakley	17.6	19.0	27.9
Grainger	8.7	9.9	13.6	Meigs	5.4	5.5	7.6	White	9.3	15.8	21.7
Greene	24.3	27.8	31.0	Monroe	13.4	14.3	18.3	Williamson	28.3	33.8	42.2
Grundy	3.9	3.9	5.9	Montgomery	20.2	24.7	35.7	Wilson	22.4	30.6	40.9
Hamblen	8.3	9.2	12.4	Moore	4.9	6.4	10.2	Total	1,124.1	1,286.1	1,766.0

Table 10. The 20 Tennessee counties with the most cattle other than milk cows on farms, 1964

(Thousands of animals)			
Fayette	44.5	Lincoln	37.3
Gibson	42.7	Montgomery	35.7
Rutherford	42.5	Bedford	34.9
Williamson	42.2	Shelby	34.1
Giles	41.0	Henry	32.4
Maury	40.9	Greene	31.0
Obion	40.9	Dyer	31.0
Wilson	40.9	Franklin	30.1
Robertson	39.7	Weakley	27.9
Sumner	39.4	Madison	27.6

Table 11. Number of milk cows on Tennessee farms (thousands of head), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	2.7	1.8	1.2	Hamilton	4.9	3.0	2.6	Morgan	1.7	1.4	1.3
Bedford	16.3	11.3	9.6	Hancock	3.7	2.5	2.4	Obion	6.6	4.3	3.2
Benton	1.6	.9	.5	Hardeman	5.2	2.5	1.5	Overton	4.9	3.8	2.4
Bledsoe	2.4	1.5	1.3	Hardin	2.7	1.1	.8	Perry	1.1	.5	.3
Blount	7.9	5.5	4.2	Hawkins	10.2	9.4	7.3	Pickett	1.8	1.4	.8
Bradley	2.4	1.3	5.3	Haywood	4.7	2.1	.6	Polk	2.0	1.5	1.2
Campbell	2.5	1.3	1.3	Henderson	4.0	2.3	1.6	Putnam	6.6	4.4	3.3
Cannon	6.5	5.2	3.6	Henry	6.3	4.8	4.5	Rhea	2.6	2.0	1.4
Carroll	5.8	3.8	2.4	Hickman	2.8	1.6	1.0	Roane	3.3	2.3	2.0
Carter	3.6	1.9	1.3	Houston	.8	.5	.3	Robertson	8.4	6.7	6.7
Cheatham	1.8	.9	.7	Humphreys	2.0	1.3	.9	Rutherford	23.1	17.4	14.0
Chester	2.4	1.4	1.0	Jackson	5.2	3.8	2.9	Scott	1.2	1.0	1.0
Claiborne	6.5	5.7	4.4	Jefferson	10.2	7.8	5.9	Sequatchie	1.7	1.3	1.0
Clay	2.4	2.1	2.2	Johnson	4.4	3.4	2.7	Sevier	6.7	4.7	3.8
Cocke	7.2	5.7	4.9	Knox	11.6	7.5	5.4	Shelby	7.6	4.8	3.3
Coffee	8.2	7.3	6.3	Lake	.2	.06	.01	Smith	10.4	7.5	6.2
Crockett	3.3	1.5	.7	Lauderdale	2.4	1.1	.9	Stewart	1.5	.9	.7
Cumberland	3.0	2.1	2.1	Lawrence	8.0	5.3	5.1	Sullivan	9.9	7.2	6.3
Davidson	10.2	6.0	4.7	Lewis	1.1	.6	.3	Sumner	13.4	11.4	9.2
Decatur	1.7	1.1	.5	Lincoln	23.0	16.4	11.9	Tipton	4.0	1.9	1.1
DeKalb	6.4	5.3	4.8	Loudon	5.9	5.2	4.8	Trousdale	3.1	2.7	2.5
Dickson	3.6	2.3	1.6	McMinn	12.7	12.1	11.1	Unicoi	1.1	.7	.5
Dyer	3.1	1.2	.8	McNairy	3.7	2.0	1.6	Union	2.9	2.0	1.3
Fayette	7.0	4.2	2.8	Macon	6.8	5.9	6.1	Van Buren	1.6	1.1	1.0
Fentress	3.2	2.3	2.3	Madison	5.2	2.4	1.5	Warren	8.4	7.6	6.7
Franklin	8.4	7.1	6.0	Marion	1.8	1.4	1.1	Washington	12.9	12.9	11.5
Gibson	8.5	5.3	3.2	Marshall	15.3	12.0	10.6	Wayne	3.1	1.6	1.2
Giles	20.3	14.5	10.5	Mauzy	16.6	11.7	9.3	Weakley	12.3	9.7	8.6
Grainger	6.1	4.4	4.2	Meigs	2.8	2.6	1.8	White	7.4	5.1	4.3
Greene	27.6	27.4	25.3	Monroe	10.2	8.3	7.8	Williamson	16.8	12.8	11.4
Grundy	.9	.6	.5	Montgomery	4.1	2.5	2.2	Wilson	16.9	11.3	8.5
Hamblen	6.9	5.7	4.8	Moore	3.6	2.7	1.7	Total	606.5	448.36	370.0

Table 12. The 20 Tennessee counties with the most milk cows on farms, 1964

(Thousands of milk cows)

Greene	25.3	Sumner	9.2
Rutherford	14.0	Weakley	8.6
Lincoln	11.9	Wilson	8.5
Washington	11.5	Monroe	7.8
Williamson	11.4	Hawkins	7.3
McMinn	11.1	Robertson	6.7
Marshall	10.6	Warren	6.7
Giles	10.5	Coffee	6.3
Bedford	9.6	Sullivan	6.3
Maury	9.3	Smith	6.2

Table 13. Number of hogs and pigs on Tennessee farms, by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	3,524	3,074	1,338	Hamilton	4,779	5,850	3,105	Morgan	2,768	4,233	2,989
Bedford	17,994	29,413	14,600	Hancock	3,752	5,127	2,060	Obion	43,101	58,101	40,262
Benton	6,899	10,018	7,903	Hardeman	14,252	21,021	15,562	Overton	8,164	19,714	7,860
Bledsoe	6,955	16,108	8,615	Hardin	14,138	26,650	20,995	Perry	11,251	15,749	10,464
Blount	10,804	10,169	5,180	Hawkins	9,059	8,861	4,266	Pickett	2,570	6,057	4,277
Bradley	3,402	5,142	1,285	Haywood	17,505	23,479	11,853	Polk	2,006	2,256	977
Campbell	2,765	3,128	1,612	Henderson	17,631	33,901	29,410	Putnam	11,939	20,063	12,704
Cannon	8,785	16,056	9,593	Henry	18,630	28,109	19,197	Rhea	2,948	4,847	2,262
Carroll	16,719	30,287	23,863	Hickman	20,490	33,097	20,743	Roane	3,157	4,140	2,859
Carter	3,764	2,684	803	Houston	3,347	5,045	2,648	Robertson	24,150	35,516	20,435
Cheatham	8,524	14,913	8,771	Humphreys	12,502	17,362	14,390	Rutherford	18,953	32,369	17,408
Chester	7,962	15,044	9,777	Jackson	15,590	22,704	10,998	Scott	2,624	4,826	2,426
Claiborne	5,710	7,988	2,913	Jefferson	7,119	6,878	4,342	Sequatchie	1,877	2,821	1,612
Clay	9,617	13,412	10,060	Johnson	3,655	3,124	1,278	Sevier	9,018	10,901	5,516
Cocke	4,856	5,292	2,375	Knox	9,873	10,231	4,988	Shelby	21,552	19,244	10,343
Coffee	14,723	26,944	15,751	Lake	3,203	3,596	1,680	Smith	18,057	32,787	17,896
Crockett	11,283	15,042	8,873	Lauderdale	19,042	24,571	12,429	Stewart	9,564	13,132	9,766
Cumberland	4,401	10,800	7,901	Lawrence	11,444	20,802	11,808	Sullivan	7,941	7,230	3,501
Davidson	13,381	18,546	8,819	Lewis	3,276	7,570	3,824	Sumner	19,275	31,981	13,912
Decatur	11,990	22,225	16,925	Lincoln	20,419	41,748	18,133	Tipton	16,577	21,067	12,075
DeKalb	10,212	19,613	10,008	Loudon	4,510	4,541	2,436	Trousdale	6,223	10,359	3,408
Dickson	12,125	20,041	10,813	McMinn	4,597	4,878	2,490	Unicoi	1,308	1,625	637
Dyer	21,991	25,757	14,584	McNairy	11,663	26,869	22,761	Union	2,942	3,177	1,036
Fayette	18,563	27,775	14,020	Macon	10,196	16,919	9,185	Van Buren	2,342	4,452	2,781
Fentress	4,184	7,883	6,360	Madison	15,110	20,561	13,252	Warren	12,753	25,042	14,240
Franklin	20,790	34,322	18,468	Marion	5,577	9,902	3,919	Washington	7,351	7,619	2,937
Gibson	35,221	54,526	42,192	Marshall	11,058	17,016	8,095	Wayne	12,172	24,678	12,835
Giles	14,809	23,945	12,696	Maur	24,220	34,147	16,817	Weakley	36,573	54,686	42,815
Grainger	5,639	5,703	2,626	Meigs	2,230	2,357	1,168	White	10,853	21,289	17,885
Greene	14,273	16,074	6,644	Monroe	5,837	6,116	2,667	Williamson	17,170	24,601	12,165
Grundy	3,701	7,935	4,436	Montgomery	16,544	25,433	16,841	Wilson	21,244	30,358	16,201
Hamblen	6,684	8,927	4,524	Moore	4,739	7,398	3,704	Total	957,866	1,609,549	1,166,188

Table 14. The 20 Tennessee counties with the most hogs on farms, 1964

(Thousands of hogs)

Weakley	42.8	Franklin	18.5
Gibson	42.2	Lincoln	18.1
Obion	40.3	Smith	17.9
Henderson	29.4	White	17.9
Carroll	23.9	Rutherford	17.4
McNairy	22.8	Decatur	16.9
Hardin	21.0	Maury	16.8
Hickman	20.7	Montgomery	16.8
Robertson	20.4	Wilson	16.2
Henry	19.2	Coffee	15.8

Table 15. Number of chickens 4 months old and over on Tennessee farms (thousands), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	56.3	37.2	33.4	Hamilton	732.8	127.2	219.4	Morgan	64.7	38.6	27.9
Bedford	308.3	228.9	166.7	Hancock	72.2	47.5	25.4	Obion	398.5	133.8	72.4
Benton	41.0	36.2	19.6	Hardeman	101.5	100.9	117.2	Overton	164.2	90.2	65.3
Bledsoe	51.6	25.3	10.9	Hardin	104.2	52.5	36.1	Perry	15.6	17.2	10.3
Blount	197.2	143.3	103.6	Hawkins	140.2	84.1	90.6	Pickett	21.5	20.3	10.1
Bradley	961.1	85.3	84.3	Haywood	99.5	74.8	44.9	Polk	49.2	21.2	17.1
Campbell	71.1	53.4	21.6	Henderson	111.1	54.1	30.2	Putnam	125.5	56.6	32.9
Cannon	63.4	40.0	18.9	Henry	111.7	57.3	28.6	Rhea	60.2	47.7	37.1
Carroll	119.3	86.1	62.6	Hickman	112.9	41.1	26.9	Roane	73.4	45.4	50.1
Carter	41.3	41.0	17.5	Houston	27.4	15.8	7.2	Robertson	147.8	141.6	259.1
Cheatham	79.0	32.7	27.2	Humphreys	56.6	32.1	15.0	Rutherford	406.1	107.1	69.2
Chester	45.9	42.8	36.8	Jackson	68.0	47.0	34.2	Scott	277.6	37.8	35.0
Claiborne	120.8	88.5	37.7	Jefferson	344.0	120.7	132.2	Sequatchie	60.0	22.5	20.3
Clay	56.0	27.6	17.1	Johnson	112.8	46.0	27.8	Sevier	303.6	129.3	120.6
Cocke	254.7	87.6	143.6	Knox	762.7	171.9	184.3	Shelby	459.7	120.9	64.5
Coffee	98.0	57.1	32.6	Lake	14.8	7.7	1.3	Smith	86.6	87.5	72.0
Crockett	233.8	44.9	17.7	Lauderdale	127.6	48.8	34.2	Stewart	29.9	25.6	12.9
Cumberland	94.8	55.2	38.2	Lawrence	180.6	88.4	48.7	Sullivan	267.6	108.0	84.4
Davidson	358.1	71.7	70.0	Lewis	296.8	16.5	18.6	Sumner	497.4	203.7	191.2
Decatur	39.0	27.4	13.9	Lincoln	178.1	117.5	81.4	Tipton	144.4	90.0	47.4
DeKalb	64.0	44.7	20.5	Loudon	75.8	51.2	75.0	Trousdale	100.4	30.1	15.6
Dickson	76.9	49.4	29.7	McMinn	248.2	50.9	91.2	Unicoi	68.0	18.7	15.0
Dyer	118.1	112.8	68.4	McNairy	98.0	69.7	58.1	Union	56.6	28.6	12.8
Fayette	70.0	73.0	194.3	Macon	76.0	66.7	32.0	Van Buren	8.7	10.7	8.8
Fentress	69.7	57.3	23.3	Madison	200.6	73.2	52.5	Warren	158.7	72.2	72.9
Franklin	306.7	142.7	185.7	Marion	99.9	47.9	53.9	Washington	548.1	161.5	115.6
Gibson	236.5	232.9	178.4	Marshall	206.8	115.1	78.1	Wayne	31.5	36.0	31.9
Giles	253.9	101.8	62.2	Maury	152.4	94.2	65.5	Weakley	163.2	91.2	49.6
Grainger	82.0	55.0	53.2	Meigs	117.1	28.9	14.5	White	95.9	52.2	22.6
Greene	345.7	153.9	91.2	Monroe	219.5	74.4	44.3	Williamson	248.3	96.4	61.0
Grundy	136.4	41.8	41.8	Montgomery	101.7	66.4	73.2	Wilson	433.7	201.5	297.5
Hamblen	90.4	43.5	25.2	Moore	28.5	21.6	18.2	Total	16,087.6	6,877.2	5,810.6

Table 16. The 20 Tennessee counties with the most chickens 4 months old and over on farms, 1964

(Thousands of chickens)

Wilson	297.5	Jefferson	132.2
Robertson	259.1	Sevier	120.6
Hamilton	219.4	Hardeman	117.2
Fayette	194.3	Washington	115.6
Sumner	191.2	Blount	103.6
Franklin	185.7	Greene	91.2
Knox	184.3	McMinn	91.2
Gibson	178.4	Hawkins	90.6
Bedford	166.7	Sullivan	84.4
Cocke	143.6	Bradley	84.3

Table 17. Number of sheep and lambs on Tennessee farms, by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	396	471	381	Hamilton	285	81	—	Morgan	780	505	232
Bedford	25,407	25,111	9,063	Hancock	57	87	26	Obion	6,721	3,399	1,061
Benton	438	372	58	Hardeman	572	587	489	Overton	1,099	792	115
Bledsoe	3,005	711	416	Hardin	317	431	186	Perry	303	418	238
Blount	825	641	383	Hawkins	1,270	1,133	350	Pickett	201	173	80
Bradley	18	58	117	Haywood	241	968	160	Polk	253	171	8
Campbell	142	410	87	Henderson	669	859	330	Putnam	1,743	1,517	516
Cannon	9,313	7,917	2,434	Henry	4,370	2,710	1,575	Rhea	188	172	—
Carroll	1,086	977	380	Hickman	2,358	2,553	1,337	Roane	548	323	82
Carter	431	624	708	Houston	579	534	121	Robertson	3,167	2,103	778
Cheatham	505	156	69	Humphreys	603	802	415	Rutherford	15,472	13,689	5,024
Chester	185	341	123	Jackson	1,959	2,485	928	Scott	1,214	1,056	343
Claiborne	267	478	149	Jefferson	572	566	222	Sequatchie	622	553	328
Clay	463	675	124	Johnson	1,566	1,286	350	Sevier	573	280	81
Cocke	364	621	171	Knox	825	1,169	338	Shelby	731	292	113
Coffee	3,018	2,896	1,255	Lake	7	32	—	Smith	14,071	15,947	6,672
Crockett	1,259	993	231	Lauderdale	764	311	32	Stewart	399	410	160
Cumberland	3,565	2,209	730	Lawrence	1,568	2,367	658	Sullivan	1,598	1,195	922
Davidson	2,958	2,208	696	Lawrence	349	260	83	Sumner	9,189	8,256	1,756
Decatur	233	418	142	Lincoln	12,276	10,643	3,712	Tipton	632	757	230
DeKalb	4,443	3,942	1,691	Loudon	489	643	298	Trousdale	8,710	9,715	4,486
Dickson	3,294	2,765	827	McMinn	605	425	118	Unicoi	100	104	57
Dyer	2,784	2,049	516	McNairy	105	64	35	Union	716	479	55
Fayette	1,918	740	477	Macon	5,637	6,187	2,837	Van Buren	1,505	296	54
Fentress	606	590	318	Madison	1,244	1,219	360	Warren	4,208	2,858	448
Franklin	4,071	3,991	1,444	Marion	264	238	86	Washington	296	168	48
Gibson	3,879	2,904	1,562	Marshall	10,680	10,971	3,606	Wayne	2,160	1,774	701
Giles	2,822	3,432	1,315	Maury	19,516	20,064	8,373	Weakley	1,970	1,278	703
Grainger	336	406	125	Meigs	331	244	87	White	1,423	1,735	284
Greene	1,925	853	373	Monroe	464	409	279	Williamson	17,969	13,804	5,249
Grundy	181	226	50	Montgomery	2,568	2,417	801	Wilson	27,396	29,398	11,412
Hamblen	237	149	160	Moore	3,859	3,780	1,074	Total	283,300	260,506	98,077

Table 18. The 20 Tennessee counties with the most sheep and lambs on farms, 1964

(Number of sheep and lambs)			
Wilson	11,412	Cannon	2,434
Bedford	9,063	Sumner	1,756
Maury	8,373	DeKalb	1,691
Smith	6,672	Henry	1,575
Williamson	5,249	Gibson	1,562
Rutherford	5,024	Franklin	1,444
Trousdale	4,486	Hickman	1,337
Lincoln	3,712	Giles	1,315
Marshall	3,606	Coffee	1,255
Macon	2,837	Moore	1,074

PART III

CROPS

Information concerning total production and yields per acre of the major crop enterprises is of interest to anyone working with Tennessee agriculture. Production and yield data are presented for cotton, corn, soybeans, all tobacco, and Burley tobacco. Because of the many kinds of hay, fruit, and vegetable crops produced and the different units used to measure production and yield for each, data for these crops are reported in an aggregate form by using gross sales. Table 20 presents the acres of all hay crops produced, while Table 21 indicates the value of fruit and vegetable crops sold from Tennessee farms.

The most striking feature in these tables is the rapid increase in yield which appears for almost every crop in Tennessee. For example, corn yield increased from 20.6 to 48.9 bushels per acre and cotton from 331 to 516 pounds of lint per acre.

Table 19. Average cotton yield on Tennessee farms (pounds of lint per acre), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	—	—	—	Hamilton	347	462	343	Morgan	—	—	—
Bedford	240	499	491	Hancock	—	—	—	Obion	503	625	632
Benton	284	515	528	Hardeman	390	542	696	Overton	—	—	—
Bledsoe	—	—	—	Hardin	351	436	564	Perry	338	221	471
Blount	—	—	500	Hawkins	—	—	—	Pickett	—	—	—
Bradley	301	482	476	Haywood	375	616	675	Polk	313	502	439
Campbell	—	—	—	Henderson	425	620	645	Putnam	—	—	—
Cannon	323	556	250	Henry	318	590	552	Rhea	250	500	500
Carroll	306	620	625	Hickman	250	500	—	Roane	—	—	—
Carter	—	—	—	Houston	—	—	—	Robertson	—	—	—
Cheatham	—	—	—	Humphreys	—	667	409	Rutherford	269	562	551
Chester	410	607	651	Jackson	—	—	—	Scott	—	—	—
Claiborne	—	—	—	Jefferson	—	—	—	Sequatchie	—	—	—
Clay	—	—	—	Johnson	—	—	—	Sevier	—	—	—
Cocke	—	—	—	Knox	454	—	450	Shelby	434	547	622
Coffee	375	557	425	Lake	604	682	631	Smith	—	—	—
Crockett	—	706	702	Lauderdale	425	626	697	Stewart	—	—	—
Cumberland	—	—	—	Lawrence	281	483	471	Sullivan	—	—	—
Davidson	—	500	667	Lewis	239	405	363	Sumner	—	500	—
Decatur	291	503	560	Lincoln	302	500	506	Tipton	426	608	662
DeKalb	267	500	333	Loudon	—	—	—	Trousdale	—	—	—
Dickson	—	—	—	McMinn	268	413	347	Unicoi	—	—	—
Dyer	453	671	664	McNairy	459	483	626	Union	—	—	—
Fayette	421	550	674	Macon	—	—	—	Van Buren	—	563	—
Fentress	—	—	—	Madison	358	653	654	Warren	416	488	385
Franklin	367	593	573	Marion	333	403	667	Washington	—	—	—
Gibson	387	719	662	Marshall	274	444	394	Wayne	308	420	481
Giles	244	474	431	Maury	253	404	385	Weakley	323	586	553
Grainger	—	—	—	Meigs	262	491	317	White	260	667	—
Greene	—	—	—	Monroe	280	375	188	Williamson	269	390	409
Grundy	476	647	483	Montgomery	—	—	—	Wilson	149	500	—
Hamblen	—	—	—	Moore	333	500	326	Average	331	530	516

Table 20. Tennessee cotton production (bales), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	—	—	—	Hamilton	398	209	59	Morgan	—	—	—
Bedford	800	595	549	Hancock	—	—	—	Obion	13,078	12,861	11,581
Benton	1,485	1,601	1,581	Hardeman	18,546	21,208	27,735	Overton	—	—	—
Bledsoe	—	—	—	Hardin	7,429	6,134	7,364	Perry	111	65	66
Blount	—	—	1	Hawkins	—	—	—	Pickett	—	—	—
Bradley	503	380	80	Haywood	26,735	50,667	54,208	Polk	518	261	87
Campbell	—	—	—	Henderson	15,510	18,591	19,555	Putnam	—	—	—
Cannon	11	20	2	Henry	3,539	4,391	3,815	Rhea	6	6	2
Carroll	13,509	21,685	21,148	Hickman	5	4	—	Roane	—	—	—
Carter	—	—	—	Houston	—	—	—	Robertson	—	—	—
Cheatham	—	—	—	Humphreys	—	12	9	Rutherford	2,818	2,437	1,841
Chester	9,913	11,966	13,546	Jackson	—	—	—	Scott	—	—	—
Claiborne	—	—	—	Jefferson	—	—	—	Sequatchie	—	—	—
Clay	—	—	—	Johnson	—	—	—	Sevier	—	—	—
Cocke	—	—	—	Knox	10	—	18	Shelby	40,773	41,102	41,926
Coffee	1,156	893	373	Lake	30,542	32,155	25,980	Smith	—	—	—
Crockett	—	43,213	44,315	Lauderdale	34,200	42,948	48,730	Stewart	—	—	—
Cumberland	—	—	—	Lawrence	12,680	13,787	12,686	Sullivan	—	—	—
Davidson	—	16	4	Lewis	163	115	74	Sumner	—	1	—
Decatur	2,316	2,928	2,603	Lincoln	8,805	10,128	9,492	Tipton	45,752	54,931	60,437
DeKalb	15	23	2	Loudon	—	—	—	Trousdale	—	—	—
Dickson	—	—	—	McMinn	296	172	34	Unicoi	—	—	—
Dyer	32,780	41,604	40,435	McNairy	19,627	15,195	19,720	Union	—	—	—
Fayette	39,818	45,618	56,028	Macon	—	—	—	Van Buren	—	9	—
Fentress	—	—	—	Madison	24,851	36,862	40,574	Warren	20	202	20
Franklin	4,425	4,837	4,006	Marion	194	157	16	Washington	—	—	—
Gibson	38,654	61,249	56,285	Marshall	207	214	115	Wayne	1,733	1,857	1,805
Giles	4,551	5,874	3,878	Maury	77	59	10	Weakley	7,249	10,597	8,338
Grainger	—	—	—	Meigs	367	343	57	White	25	4	—
Greene	—	—	—	Monroe	110	45	3	Williamson	48	32	18
Grundy	119	66	29	Montgomery	—	—	—	Wilson	29	14	—
Hamblen	—	—	—	Moore	52	22	28	Total	476,048	620,386	641,267

Table 21. The 20 Tennessee counties with the highest average cotton yields per acre and the highest total cotton production, 1964

(Yield in pounds per acre)				(Total production in bales)			
Crockett	702	Madison	654	Tipton	60,437	Lake	25,980
Lauderdale	697	Chester	651	Gibson	56,285	Carroll	21,148
Hardeman	696	Henderson	645	Fayette	56,028	McNairy	19,720
Haywood	675	Obion	632	Haywood	54,208	Henderson	19,555
Fayette	574	Lake	631	Lauderdale	48,730	Chester	13,546
Davidson	667	McNairy	626	Crockett	44,315	Lawrence	12,686
Marion	667	Carroll	625	Shelby	41,926	Obion	11,581
Dyer	664	Shelby	622	Madison	40,574	Lincoln	9,492
Gibson	662	Franklin	573	Dyer	40,435	Weakley	8,338
Tipton	662	Hardin	564	Hardeman	27,735	Hardin	7,364

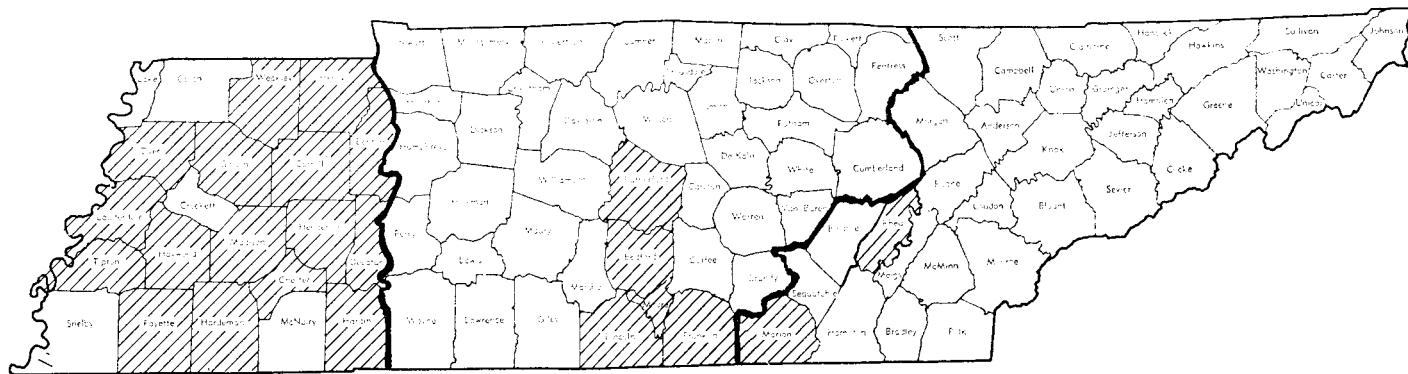


Figure 1: Tennessee counties in which the county average yield of cotton lint per acre increased by 200 pounds or more from 1954-1964.

Table 22. Average yield of corn grown for grain on Tennessee farms (bushels per acre), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	27	44	40	Hamilton	16	41	42	Morgan	22	43	62
Bedford	18	40	46	Hancock	35	48	53	Obion	23	48	60
Benton	18	34	45	Hardeman	12	37	47	Overton	24	41	50
Bledsoe	17	48	61	Hardin	17	33	46	Perry	24	39	51
Blount	25	46	49	Hawkins	35	47	48	Pickett	33	48	57
Bradley	20	41	51	Haywood	11	36	45	Polk	21	42	43
Campbell	29	40	46	Henderson	22	40	54	Putnam	17	40	54
Cannon	20	39	43	Henry	18	42	49	Rhea	12	40	49
Carroll	14	39	49	Hickman	19	41	53	Roane	17	41	49
Carter	36	50	51	Houston	16	40	43	Robertson	23	46	51
Cheatham	24	45	46	Humphreys	19	44	52	Rutherford	15	39	43
Chester	15	36	49	Jackson	23	40	53	Scott	35	47	44
Claiborne	33	44	56	Jefferson	26	44	42	Sequatchie	21	48	60
Clay	26	41	51	Johnson	49	60	71	Sevier	26	42	47
Cocke	29	38	44	Knox	27	45	48	Shelby	13	39	36
Coffee	26	47	59	Lake	25	53	53	Smith	21	45	46
Crockett	13	42	44	Lauderdale	16	45	44	Stewart	18	41	45
Cumberland	17	47	57	Lawrence	13	31	39	Sullivan	32	50	51
Davidson	17	40	51	Lewis	17	36	49	Sumner	19	42	47
Decatur	19	34	55	Lincoln	16	37	45	Tipton	14	42	42
DeKalb	19	36	43	Loudon	11	39	48	Trousdale	19	43	48
Dickson	19	38	43	McMinn	14	38	49	Unicoi	37	45	50
Dyer	18	47	53	McNairy	22	35	45	Union	26	39	41
Fayette	12	36	43	Macon	24	39	48	Van Buren	21	43	41
Fentress	28	42	57	Madison	13	39	47	Warren	20	34	53
Franklin	26	49	56	Marion	23	46	49	Washington	32	53	57
Gibson	15	40	50	Marshall	12	38	44	Wayne	17	43	49
Giles	14	36	40	Maurv	13	40	44	Weakley	15	39	50
Grainger	26	40	24	Meigs	14	38	61	White	22	45	63
Greene	30	44	47	Monroe	19	39	49	Williamson	14	40	45
Grundy	29	50	68	Montgomery	22	44	50	Wilson	12	40	42
Hamblen	28	44	42	Moore	25	40	48	Average	20.6	41.8	48.9

Table 23. Total production of corn on Tennessee farms (thousands of bushels), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	108.4	98.0	36.3	Hamilton	116.1	135.3	78.1	Morgan	62.9	129.6	105.8
Bedford	448.2	724.6	480.3	Hancock	228.2	260.8	121.2	Obion	1,187.3	2,031.2	2,373.1
Benton	273.4	276.6	193.5	Hardeman	379.2	918.2	729.0	Overton	369.5	426.3	246.2
Bledsoe	160.5	406.2	303.4	Hardin	609.5	801.6	843.6	Perry	307.0	352.9	284.3
Blount	233.3	288.3	144.5	Hawkins	501.8	504.9	284.3	Pickett	145.7	170.9	88.7
Bradley	165.8	210.8	117.8	Haywood	392.7	820.2	848.6	Polk	106.2	125.4	61.8
Campbell	108.8	117.0	58.1	Henderson	710.0	1,095.6	1,025.1	Putnam	328.5	494.4	338.1
Cannon	220.4	356.4	216.7	Henry	664.0	1,062.2	816.3	Rhea	74.7	162.8	109.3
Carroll	599.2	1,273.3	969.7	Hickman	411.7	777.8	560.8	Roane	64.3	123.4	93.3
Carter	135.0	91.5	32.0	Houston	107.7	185.5	80.4	Robertson	851.4	1,314.3	979.7
Cheatham	281.5	355.1	241.6	Humphreys	378.3	701.1	563.9	Rutherford	365.7	777.6	510.5
Chester	390.6	691.8	504.0	Jackson	480.6	643.6	390.2	Scott	114.2	133.6	45.5
Claiborne	303.0	359.6	223.8	Jefferson	226.9	313.0	156.7	Sequatchie	65.7	140.3	118.7
Clay	281.7	370.2	256.8	Johnson	198.4	213.0	125.8	Sevier	317.5	387.5	218.6
Cocke	325.5	337.9	165.4	Knox	216.1	216.2	101.5	Shelby	418.1	645.6	357.4
Coffee	697.5	872.0	855.8	Lake	554.1	125.2	802.6	Smith	391.1	674.8	278.6
Crockett	259.5	529.5	299.2	Lauderdale	602.2	1,115.3	859.8	Stewart	340.8	441.7	212.8
Cumberland	102.8	261.4	193.3	Lawrence	515.5	724.9	506.3	Sullivan	307.6	267.4	216.9
Davidson	103.7	219.4	145.7	Lewis	88.4	139.6	100.1	Sumner	509.8	726.4	440.9
Decatur	332.3	473.0	387.8	Lincoln	560.3	978.1	793.6	Tipton	570.5	1,012.5	912.4
DeKalb	296.2	477.6	270.4	Loudon	71.9	202.7	111.1	Trousdale	160.2	180.2	103.4
Dickson	346.0	540.7	233.9	McMinn	126.3	290.4	177.1	Unicoi	52.9	47.2	22.2
Dyer	565.3	1,123.2	1,396.7	McNairy	782.5	1,040.0	919.9	Union	96.4	90.2	33.8
Fayette	495.6	1,075.4	1,049.8	Macon	518.7	595.2	487.4	Van Buren	56.6	107.8	53.0
Fentress	182.7	190.3	149.5	Madison	497.9	1,233.3	1,131.2	Warren	426.0	753.6	519.4
Franklin	657.2	1,025.2	775.1	Marion	206.9	409.7	187.8	Washington	337.1	459.2	302.9
Gibson	820.6	1,578.7	1,697.0	Marshall	189.4	339.3	224.0	Wayne	350.4	597.6	362.3
Giles	453.1	665.0	425.1	Maury	335.9	696.0	539.2	Weakley	917.0	1,653.3	1,302.6
Grainger	202.7	230.2	142.9	Meigs	52.5	111.5	88.4	White	374.7	615.2	612.6
Greene	712.8	884.3	615.1	Monroe	238.2	363.7	248.2	Williamson	230.8	464.4	361.8
Grundy	117.6	150.3	134.1	Montgomery	198.2	941.4	632.9	Wilson	192.1	441.1	252.0
Hamblen	187.4	187.5	118.8	Moore	156.4	138.6	92.5	Total	32,101.6	50,905.3	39,380.3

Table 24. The 20 Tennessee counties with the highest average corn yield per acre and the highest total production of corn, 1964

(Yield in bushels per acre)				(Total production in thousands of bushels)			
Top 20 counties							
Johnson	71	Fentress	57	Obion	2,373	Tipton	912
Grundy	68	Pickett	57	Gibson	1,697	Lauderdale	860
White	63	Washington	57	Dyer	1,397	Coffee	856
Morgan	62	Claiborne	56	Weakley	1,303	Haywood	849
Bledsoe	61	Franklin	56	Madison	1,131	Hardin	844
Meigs	61	Decatur	55	Fayette	1,050	Henry	816
Obion	60	Henderson	54	Henderson	1,025	Lake	803
Sequatchie	60	Putnam	54	Robertson	980	Lincoln	794
Coffee	59	Dyer	53	Carroll	970	Franklin	775
Cumberland	57	Hancock	53	McNairy	920	Hardeman	729

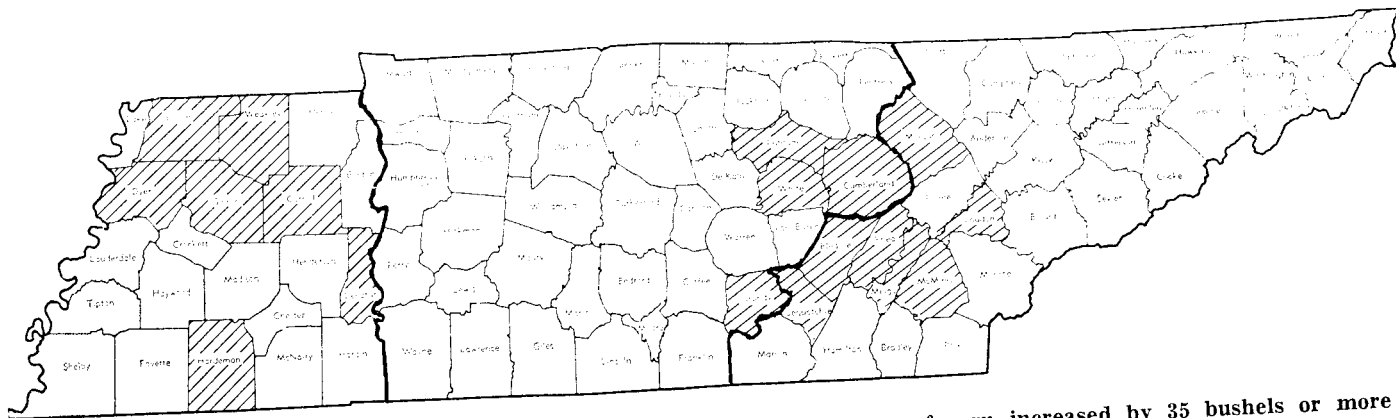


Figure 2: Tennessee counties in which the county average yield per acre of corn increased by 35 bushels or more from 1954-1964.

Table 25. Average yield of soybeans on Tennessee farms (bushels per acre), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	14	7	—	Hamilton	15	16	17	Morgan	11	29	15
Bedford	7	14	16	Hancock	—	30	—	Obion	15	27	24
Benton	10	18	20	Hardeman	12	21	22	Overton	12	22	20
Bledsoe	13	25	20	Hardin	9	18	19	Perry	9	9	17
Blount	10	24	18	Hawkins	20	14	19	Pickett	—	2	12
Bradley	19	16	18	Haywood	12	23	22	Polk	24	23	20
Campbell	2	15	8	Henderson	13	23	25	Putnam	11	23	17
Cannon	8	23	17	Henry	8	23	24	Rhea	9	19	17
Carroll	9	18	24	Hickman	14	24	22	Roane	17	18	15
Carter	—	—	—	Houston	—	—	21	Robertson	6	47	19
Cheatham	15	27	19	Humphreys	6	26	23	Rutherford	8	16	13
Chester	14	22	21	Jackson	15	18	15	Scott	1	10	19
Claiborne	16	—	20	Jefferson	12	15	13	Sequatchie	10	16	23
Clay	12	18	15	Johnson	—	—	—	Sevier	2	15	10
Cocke	16	12	12	Knox	15	10	11	Shelby	15	21	20
Coffee	10	25	20	Lake	17	26	25	Smith	13	—	24
Crockett	11	24	25	Lauderdale	16	25	24	Stewart	11	25	16
Cumberland	20	25	12	Lawrence	8	15	18	Sullivan	10	26	17
Davidson	20	30	22	Lewis	2	22	17	Sumner	11	29	16
Decatur	14	18	19	Lincoln	6	23	21	Tipton	15	20	20
DeKalb	9	14	9	Loudon	5	17	12	Trousdale	—	—	5
Dickson	6	10	9	McMinn	7	20	16	Unicoi	—	11	7
Dyer	12	21	24	McNairy	15	18	22	Union	—	2	30
Fayette	11	19	19	Macon	9	22	22	Van Buren	11	19	6
Fentress	21	16	8	Madison	9	23	23	Warren	8	15	18
Franklin	8	22	20	Marion	10	22	18	Washington	6	21	23
Gibson	11	21	25	Marshall	—	15	24	Wayne	6	13	18
Giles	15	18	14	Maury	10	22	15	Weakley	10	24	22
Grainger	—	19	9	Meigs	14	21	12	White	13	20	18
Greene	13	18	16	Monroe	11	19	30	Williamson	17	18	35
Grundy	14	23	22	Montgomery	10	18	20	Wilson	4	20	21
Hamblen	18	10	7	Moore	13	15	22	Average	10.2	18.3	17.5

Table 26. Total production of soybeans on Tennessee farms (thousands of bushels), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	1.1	—	—	Hamilton	1.8	4.2	4.2	Morgan	—	5.2	2.5
Bedford	2.6	5.0	14.7	Hancock	—	—	—	Obion	583.1	1,337.6	1,212.3
Benton	15.6	23.1	50.2	Hardeman	8.3	34.3	213.6	Overton	3.2	5.2	2.1
Bledsoe	—	3.0	7.4	Hardin	8.3	17.9	72.8	Perry	2.6	—	1.9
Blount	2.0	8.8	2.2	Hawkins	—	—	1.2	Pickett	—	—	—
Bradley	—	1.5	2.5	Haywood	79.8	340.6	924.9	Polk	3.7	8.9	6.2
Campbell	—	—	—	Henderson	5.5	7.5	19.6	Putnam	3.2	9.3	4.9
Cannon	1.9	10.7	14.1	Henry	7.7	29.9	168.3	Rhea	2.2	10.9	11.6
Carroll	6.2	15.0	125.4	Hickman	1.9	1.4	—	Roane	—	—	1.2
Carter	—	—	—	Houston	—	—	—	Robertson	—	3.1	7.4
Cheatham	3.0	8.4	7.0	Humphreys	4.1	16.8	24.3	Rutherford	3.0	10.4	6.8
Chester	4.1	20.0	205.5	Jackson	3.5	6.6	2.0	Scott	—	—	—
Claiborne	—	—	—	Jefferson	—	—	—	Sequatchie	2.6	2.9	5.1
Clay	3.3	6.8	5.8	Johnson	—	—	—	Sevier	—	1.4	—
Cocke	—	—	1.4	Knox	—	—	1.0	Shelby	103.0	656.7	1,048.6
Coffee	30.8	100.4	141.6	Lake	608.9	1,022.6	718.8	Smith	—	—	—
Crockett	46.9	303.7	745.7	Lauderdale	208.4	732.5	1,163.5	Stewart	5.1	30.4	13.3
Cumberland	—	—	—	Lawrence	7.2	6.9	16.2	Sullivan	—	—	—
Davidson	2.0	2.1	4.0	Lewis	—	—	—	Sumner	—	—	2.5
Decatur	2.9	2.5	1.1	Lincoln	—	4.7	22.9	Tipton	185.0	853.8	968.4
DeKalb	—	—	3.0	Loudon	—	1.4	—	Trousdale	—	—	—
Dickson	—	3.1	—	McMinn	—	3.8	2.3	Unicoi	—	—	—
Dyer	586.3	1,256.3	1,560.8	McNairy	14.6	54.2	190.8	Union	—	—	—
Fayette	8.7	97.4	502.4	Macon	—	1.7	1.4	Van Buren	—	—	—
Fentress	—	—	—	Madison	10.6	39.3	188.9	Warren	3.0	6.9	45.7
Franklin	10.0	42.3	81.8	Marion	23.0	40.1	33.5	Washington	—	—	—
Gibson	121.6	610.9	1,334.1	Marshall	—	—	—	Wayne	1.1	—	1.9
Giles	1.8	—	1.6	Maury	—	10.8	4.5	Weakley	66.6	260.5	613.9
Grainger	—	—	—	Meigs	—	1.7	2.4	White	10.0	14.5	20.0
Greene	—	2.9	2.0	Monroe	2.5	7.1	12.6	Williamson	1.6	3.2	12.8
Grundy	8.0	13.0	7.5	Montgomery	—	7.1	18.3	Wilson	—	—	1.8
Hamblen	—	—	—	Moore	—	—	2.5	Total	2,833.9	8,150.9	12,623.2

Table 27. The 20 Tennessee counties with the highest average soybean yields and with the highest total production of soybeans, 1964

(Yield in bushels per acre)				(Total production in thousands of bushels)			
Top 20 counties							
Williamson	35	Lauderdale	24	Dyer	1,561	Fayette	502
Monroe	30	Marshall	24	Gibson	1,334	Hardeman	214
Union	30	Obion	24	Obion	1,212	Chester	206
Crockett	25	Smith	24	Lauderdale	1,164	McNairy	191
Gibson	25	Humphreys	23	Shelby	1,049	Madison	189
Henderson	25	Madison	23	Tipton	968	Henry	168
Lake	25	Sequatchie	23	Haywood	925	Coffee	142
Carroll	24	Washington	23	Crockett	746	Carroll	125
Dyer	24	Davidson	22	Lake	719	Franklin	82
Henry	24	Grundy	22	Weakley	614	Hardin	73

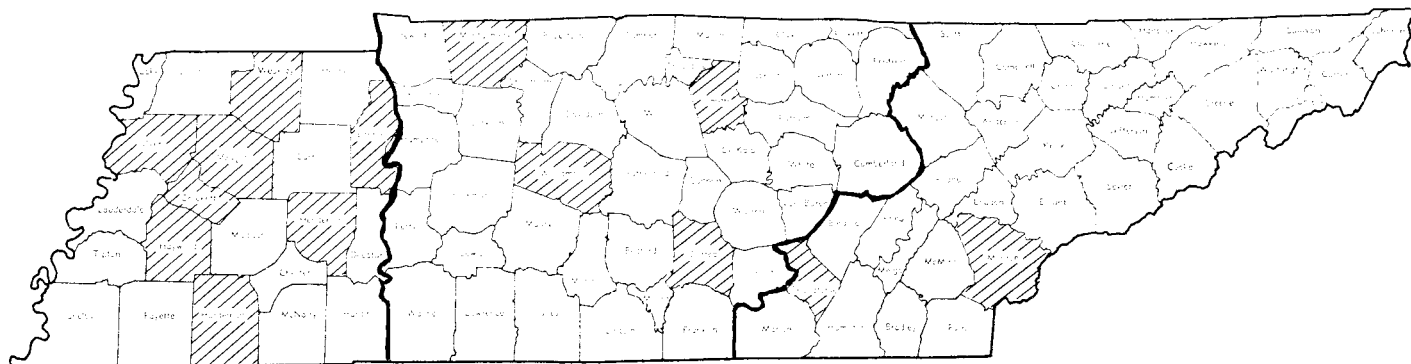


Figure 3: Tennessee counties in which the county average yield per acre of soybeans increased by 10 bushels or more from 1954-1964.*

* Calculated only for counties having average yields of 10 bushels or more per acre in 1954.

Table 28. Average yield of all tobacco on Tennessee farms (pounds per acre), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	1,499	1,607	1,933	Hamilton	964	1,390	1,529	Morgan	1,599	1,581	1,886
Bedford	1,305	1,326	1,622	Hancock	1,623	1,963	2,107	Obion	1,275	1,304	1,520
Benton	500	701	—	Hardeman	—	—	—	Overton	1,588	1,654	2,103
Bledsoe	1,213	1,224	1,596	Hardin	1,300	—	1,000	Perry	—	—	—
Blount	1,289	1,618	1,759	Hawkins	1,467	1,790	2,009	Pickett	1,968	1,650	2,133
Bradley	1,235	1,506	1,648	Haywood	—	—	—	Polk	1,290	1,413	1,376
Campbell	1,737	2,042	2,167	Henderson	—	—	—	Putnam	1,351	1,508	1,757
Cannon	1,014	1,370	1,637	Henry	1,096	1,423	1,551	Rhea	1,183	1,612	1,737
Carroll	790	1,406	—	Hickman	1,037	1,344	1,522	Roane	1,157	1,488	1,802
Carter	1,634	2,040	2,181	Houston	1,053	1,426	1,526	Robertson	1,343	1,691	1,917
Cheatham	1,223	1,694	1,822	Humphreys	1,141	1,177	1,355	Rutherford	1,008	1,217	1,574
Chester	—	—	—	Jackson	1,454	1,423	1,699	Scott	1,924	1,794	2,079
Claiborne	1,761	1,880	2,326	Jefferson	1,537	1,934	2,048	Sequatchie	—	—	—
Clay	1,487	1,693	2,010	Johnson	1,800	2,186	2,216	Sevier	1,536	1,533	1,796
Cocke	1,593	1,804	2,008	Knox	1,446	1,854	1,981	Shelby	—	—	—
Coffee	1,454	1,330	1,642	Lake	—	—	—	Smith	1,208	1,435	1,911
Crockett	—	—	—	Lauderdale	—	—	—	Stewart	1,179	1,363	1,613
Cumberland	1,378	1,653	2,050	Lawrence	1,050	1,179	1,509	Sullivan	1,487	1,869	2,012
Davidson	1,095	1,613	1,631	Lewis	1,095	1,299	1,616	Sumner	1,185	1,450	1,911
Decatur	—	1,035	—	Lincoln	1,144	1,289	1,573	Tipton	—	—	—
DeKalb	1,234	1,510	1,669	Loudon	1,194	1,717	1,909	Trousdale	1,218	1,322	1,962
Dickson	1,180	1,503	1,635	McMinn	1,121	1,421	1,695	Unicoi	1,756	1,921	2,150
Dyer	—	800	2,000	McNairy	200	—	—	Union	1,553	1,987	2,034
Fayette	—	—	—	Macon	1,610	1,546	1,964	Van Buren	1,124	1,326	1,367
Fentress	1,809	1,620	2,054	Madison	—	—	—	Warren	1,242	1,583	1,824
Franklin	1,467	1,464	1,670	Marion	1,614	1,357	1,268	Washington	1,389	1,890	2,188
Gibson	—	—	—	Marshall	1,011	1,374	1,622	Wayne	—	1,030	—
Giles	1,127	1,456	1,510	Mauzy	975	1,218	1,526	Weakley	1,147	1,603	1,750
Grainger	1,484	1,971	2,190	Meigs	1,122	1,448	1,521	White	1,418	1,562	1,633
Greene	1,449	1,888	2,100	Monroe	1,244	1,623	1,698	Williamson	959	1,262	1,611
Grundy	1,388	1,655	1,567	Montgomery	1,190	1,410	1,653	Wilson	1,006	1,318	1,722
Hamblen	1,430	1,864	2,079	Moore	1,437	1,231	1,690	Average	1,334	1,626	1,744

Table 29. Total production of all tobacco on Tennessee farms (thousands of pounds), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	425.7	414.7	351.9	Hamilton	23.1	23.6	10.7	Morgan	89.5	72.7	79.2
Bedford	448.8	392.6	382.9	Hancock	2,716.2	2,650.6	2,654.5	Obion	144.1	71.7	100.3
Benton	.5	.7	—	Hardeman	—	—	—	Overton	547.8	549.2	593.0
Bledsoe	9.7	6.1	6.4	Hardin	1.3	—	1.0	Perry	.07	—	—
Blount	1,113.6	1,114.9	807.4	Hawkins	4,385.6	4,523.1	4,521.6	Pickett	813.0	617.1	684.5
Bradley	316.1	247.0	164.6	Haywood	—	—	—	Polk	34.8	22.6	22.0
Campbell	847.6	816.9	840.6	Henderson	.1	—	—	Putnam	1,674.7	1,506.1	1,641.0
Cannon	330.6	424.6	391.2	Henry	1,676.4	1,333.0	1,350.6	Rhea	63.9	69.3	100.8
Carroll	3.2	22.5	—	Hickman	278.0	252.6	289.1	Roane	474.6	505.8	609.1
Carter	1,357.5	1,460.6	1,398.1	Houston	467.6	417.9	347.9	Robertson	13,963.6	12,635.7	13,021.1
Cheatham	2,760.5	2,721.1	2,443.6	Humphreys	42.2	42.4	32.5	Rutherford	248.9	265.4	266.0
Chester	—	—	—	Jackson	1,994.3	1,595.0	1,867.1	Scott	25.0	17.9	27.0
Claiborne	4,441.9	4,532.0	4,921.3	Jefferson	2,771.6	2,521.9	2,720.0	Sequatchie	—	—	—
Clay	1,129.9	1,061.6	1,306.2	Johnson	2,419.8	2,494.3	2,448.2	Sevier	2,754.8	2,407.1	2,555.8
Cocke	3,435.2	2,810.5	2,950.1	Knox	1,239.6	1,231.2	1,026.4	Shelby	—	—	—
Coffee	80.0	58.5	46.0	Lake	—	—	—	Smith	3,474.6	3,168.9	4,139.8
Crockett	—	—	—	Lauderdale	—	—	—	Stewart	2,252.2	1,785.0	1,880.3
Cumberland	257.7	281.1	303.4	Lawrence	288.8	299.6	313.8	Sullivan	2,683.7	2,676.1	2,832.3
Davidson	799.4	725.8	546.3	Lewis	82.1	75.3	79.2	Sumner	5,870.3	5,535.4	6,700.7
Decatur	—	1.0	—	Lincoln	1,086.6	1,014.3	1,303.7	Tipton	—	—	—
DeKalb	1,461.9	1,393.8	1,517.8	Loudon	1,172.1	1,261.8	1,321.1	Trousdale	1,816.6	1,503.0	2,370.2
Dickson	2,666.3	2,231.5	2,133.1	McMinn	1,338.9	1,432.1	1,315.5	Unicoi	920.3	875.8	898.7
Dyer	—	.8	6.0	McNairy	.2	—	—	Union	1,609.4	1,557.7	1,521.0
Fayette	—	—	—	Macon	4,471.9	3,378.9	4,021.4	Van Buren	44.9	59.7	57.4
Fentress	260.5	194.4	234.1	Madison	—	—	—	Warren	298.1	294.4	361.1
Franklin	324.1	285.5	354.0	Marion	51.6	40.7	16.5	Washington	4,105.3	4,630.8	4,532.9
Gibson	—	—	—	Marshall	747.1	807.8	890.3	Wayne	—	1.0	—
Giles	686.6	728.2	792.7	Maury	3,156.8	2,936.8	3,511.5	Weakley	1,058.6	838.3	885.4
Grainger	3,095.9	2,913.1	3,272.2	Meigs	439.8	392.4	409.1	White	1,235.3	1,218.5	1,369.7
Greene	9,922.6	9,432.8	10,619.2	Monroe	1,783.4	1,769.0	1,718.8	Williamson	2,438.8	2,328.0	2,925.4
Grundy	16.7	5.0	20.4	Montgomery	7,823.0	656.7	6,605.3	Wilson	1,530.8	1,579.8	1,906.8
Hamblen	2,022.2	2,031.9	2,028.7	Moore	689.7	492.6	620.3	Total	129,539.5	120,652.7	129,336.0

Table 30. The 20 Tennessee counties with the highest average yields of all tobacco and the highest total production of all tobacco, 1964

(Yield in pounds per acre)				(Total production in thousands of pounds)			
Claiborne	2,326	Overton	2,103	Robertson	13,021	Grainger	3,272
Johnson	2,216	Greene	2,100	Greene	10,619	Cocke	2,950
Grainger	2,190	Scott	2,079	Sumner	6,701	Williamson	2,925
Washington	2,188	Hamblen	2,079	Montgomery	6,605	Sullivan	2,832
Carter	2,181	Fentress	2,054	Claiborne	4,921	Jefferson	2,720
Campbell	2,167	Cumberland	2,050	Washington	4,533	Hancock	2,655
Unicoi	2,150	Jefferson	2,048	Hawkins	4,522	Sevier	2,556
Pickett	2,133	Union	2,034	Smith	4,140	Johnson	2,448
Hancock	2,107	Sullivan	2,012	Macon	4,021	Cheatham	2,444
Hawkins	2,009	Clay	2,010	Maury	3,512	Trousdale	2,370

Table 31. Average yield of burley tobacco on Tennessee farms (pounds per acre), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	1,520	1,607	1,933	Hamilton	963	1,390	1,529	Morgan	1,598	1,614	1,886
Bedford	1,320	1,326	1,622	Hancock	1,626	1,963	2,107	Obion	—	—	—
Benton	—	—	—	Hardeman	—	—	—	Overton	1,587	1,657	2,103
Bledsoe	1,212	1,224	1,596	Hardin	—	—	—	Perry	—	—	—
Blount	1,295	1,618	1,759	Hawkins	1,466	1,790	2,009	Pickett	1,968	1,650	2,133
Bradley	1,234	1,506	1,646	Haywood	—	—	—	Polk	1,290	1,413	1,376
Campbell	1,736	2,042	2,167	Henderson	—	—	—	Putnam	1,350	1,508	1,757
Cannon	1,023	1,370	1,637	Henry	—	—	—	Rhea	1,168	1,628	1,737
Carroll	—	—	—	Hickman	1,041	1,344	1,522	Roane	1,157	1,488	1,802
Carter	1,633	2,040	2,181	Houston	1,007	1,361	1,465	Robertson	1,256	1,633	2,097
Cheatham	1,107	1,447	2,023	Humphreys	1,136	1,082	1,411	Rutherford	1,007	1,217	1,574
Chester	—	—	—	Jackson	1,454	1,423	1,699	Scott	1,923	1,794	2,079
Claiborne	1,760	1,880	2,326	Jefferson	1,539	1,934	2,048	Sequatchie	—	—	—
Clay	1,486	1,632	2,010	Johnson	1,805	2,186	2,216	Sevier	1,539	1,533	1,796
Cocke	1,591	1,804	2,008	Knox	1,458	1,854	1,981	Shelby	—	—	—
Coffee	1,476	1,345	1,642	Lake	—	—	—	Smith	1,210	1,435	1,911
Crockett	—	—	—	Lauderdale	—	—	—	Stewart	1,022	1,269	1,483
Cumberland	1,378	1,653	2,050	Lawrence	1,048	1,174	1,516	Sullivan	1,490	1,869	2,012
Davidson	964	1,360	1,758	Lewis	1,095	1,299	1,616	Sumner	1,219	1,412	1,947
Decatur	—	—	—	Lincoln	1,143	1,289	1,573	Tipton	—	—	—
DeKalb	1,238	1,502	1,668	Loudon	1,193	1,717	1,909	Trousdale	1,212	1,322	1,962
Dickson	1,131	1,358	1,635	McMinn	1,121	1,421	1,695	Unicoi	1,756	1,921	2,150
Dyer	—	—	—	McNairy	—	—	—	Union	1,547	1,987	2,034
Fayette	—	—	—	Macon	1,613	1,554	1,988	Van Buren	1,023	1,326	1,367
Fentress	1,392	1,620	2,054	Madison	—	—	—	Warren	1,204	1,582	1,824
Franklin	1,466	1,464	1,670	Marion	1,613	1,357	1,268	Washington	1,391	1,890	2,188
Gibson	—	—	—	Marshall	1,009	1,374	1,622	Wayne	—	1,030	—
Giles	1,274	1,456	1,510	Mauy	974	1,218	1,526	Weakley	—	—	—
Grainger	1,488	1,971	2,190	Meigs	1,121	1,448	1,521	White	1,419	1,562	1,633
Greene	1,450	1,888	2,100	Monroe	1,247	1,623	1,698	Williamson	959	1,262	1,611
Grundy	1,387	1,655	1,567	Montgomery	—	—	1,744	Wilson	1,007	1,318	1,722
Hamblen	1,444	1,864	2,079	Moore	1,051	1,231	1,690	Average	1,102	1,158	1,370

Table 32. Total production of burley tobacco on Tennessee farms, by counties, 1954, 1959, and 1964 (thousands of pounds)

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	425.7	414.7	351.9	Hamilton	23.1	23.6	10.7	Morgan	89.5	72.6	79.2
Bedford	448.8	392.6	382.9	Hancock	2,716.2	2,650.6	2,654.5	Obion	—	—	—
Benton	—	—	—	Hardeman	—	—	—	Overton	547.6	548.4	593.0
Bledsoe	9.7	6.1	6.4	Hardin	—	—	—	Perry	—	—	—
Blount	1,113.5	1,114.9	807.4	Hawkins	4,385.5	4,523.0	4,521.6	Pickett	812.9	617.1	684.5
Bradley	316.1	247.0	164.6	Haywood	—	—	—	Polk	34.8	22.6	22.0
Campbell	847.6	816.8	840.6	Henderson	—	—	—	Putnam	1,674.6	1,506.1	1,641.0
Cannon	333.6	426.5	391.2	Henry	—	—	—	Rhea	63.8	68.4	100.8
Carroll	—	—	—	Hickman	275.0	252.6	289.1	Roane	474.5	505.8	609.1
Carter	1,357.5	1,460.6	1,398.1	Houston	90.6	106.1	101.1	Robertson	1,683.7	1,724.4	2,338.7
Cheatham	2,760.4	250.2	269.0	Humphreys	23.8	30.3	31.0	Rutherford	248.9	265.4	266.0
Chester	—	—	—	Jackson	1,993.1	1,594.9	1,867.1	Scott	25.0	17.9	27.0
Claiborne	4,441.9	4,532.0	4,921.3	Jefferson	2,771.6	2,521.8	2,719.9	Sequatchie	—	—	—
Clay	1,129.9	1,061.6	1,306.2	Johnson	2,419.8	2,494.2	2,448.2	Sevier	2,754.8	2,407.1	2,555.8
Cocke	3,435.2	2,810.5	2,950.1	Knox	4,239.6	1,331.1	1,026.4	Shelby	—	—	—
Coffee	79.9	57.8	46.0	Lake	—	—	—	Smith	3,474.6	3,163.8	4,139.8
Crockett	—	—	—	Lauderdale	—	—	—	Stewart	440.5	441.5	487.8
Cumberland	257.7	281.0	303.4	Lawrence	267.1	289.9	310.8	Sullivan	2,683.7	2,676.1	2,832.3
Davidson	310.0	774.1	207.5	Lewis	82.1	75.3	79.2	Sumner	4,021.1	4,020.7	5,152.1
Decatur	—	—	—	Lincoln	1,086.6	1,014.2	1,303.7	Tipton	—	—	—
DeKalb	1,461.9	1,393.8	1,517.8	Loudon	1,172.1	1,261.8	1,321.1	Trousdale	1,816.6	1,502.9	2,370.2
Dickson	148.3	176.5	207.6	McMinn	1,338.8	1,432.0	1,315.5	Unicoi	920.3	875.7	898.7
Dyer	—	—	—	McNairy	—	—	—	Union	1,609.4	1,557.7	1,521.1
Fayette	—	—	—	Macon	4,082.3	3,080.8	3,749.6	Van Buren	44.9	59.6	57.4
Fentress	—	—	234.1	Madison	—	—	—	Warren	298.1	294.2	361.1
Franklin	324.1	285.5	354.0	Marion	51.6	40.7	16.5	Washington	4,165.3	4,630.8	4,532.9
Gibson	—	—	—	Marshall	747.1	807.7	890.3	Wayne	—	1.0	—
Giles	686.6	728.2	792.7	Mauzy	3,156.7	2,936.8	3,511.5	Weakley	5.2	7.3	—
Grainger	3,095.8	2,913.1	3,272.2	Meigs	439.7	392.4	409.1	White	1,235.2	1,218.5	1,369.7
Greene	9,922.5	9,432.8	10,619.2	Monroe	1,783.3	1,768.9	1,718.8	Williamson	2,428.1	2,325.6	2,920.3
Grundy	16.6	4.9	20.4	Montgomery	1,649.2	1,560.1	1,911.6	Wilson	1,530.7	1,579.8	1,906.8
Hamblen	2,022.2	2,031.8	2,028.7	Moore	689.6	492.6	620.3	Average	1,058.3	992.7	1,091.4

Table 33. The 20 Tennessee Counties with the highest average yields of burley tobacco and the highest total production of burley tobacco, 1964

(Yield in pounds per acre)				(Total production in thousands of pounds)			
Claiborne	2,326	Greene	2,100	Greene	10,619	Williamson	2,920
Johnson	2,216	Robertson	2,097	Sumner	5,152	Sullivan	2,832
Grainger	2,190	Hamblen	2,079	Claiborne	4,921	Jefferson	2,720
Washington	2,188	Scott	2,079	Washington	4,533	Hancock	2,655
Carter	2,181	Fentress	2,054	Hawkins	4,522	Sevier	2,556
Campbell	2,167	Cumberland	2,050	Smith	4,140	Johnson	2,448
Unicoi	2,150	Jefferson	2,048	Macon	3,750	Trousdale	2,370
Pickett	2,133	Union	2,034	Maury	3,512	Robertson	2,339
Hancock	2,107	Cheatham	2,023	Grainger	3,272	Hamblen	2,029
Overton	2,103	Sullivan	2,012	Cocke	2,950	Montgomery	1,912

 600 but less than 700 lbs./acre
 700 lbs./acre or more

Figure 4: Tennessee counties in which the county average yield per acre of burley tobacco increased by 600 pounds or more from 1954-1964.

Table 34. Acres devoted to hay crops in Tennessee (thousands of acres), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	9.3	7.6	7.2	Hamilton	12.2	8.4	7.2	Morgan	5.9	6.6	5.6
Bedford	33.8	26.9	30.0	Hancock	8.7	8.8	8.6	Obion	10.7	13.7	12.2
Benton	3.2	3.2	4.3	Hardeman	7.1	6.2	7.0	Overton	14.2	11.9	11.2
Bledsoe	11.2	12.9	11.5	Hardin	6.4	3.8	5.1	Perry	3.4	3.0	3.9
Blount	24.8	20.4	17.3	Hawkins	28.1	24.0	24.0	Pickett	5.7	5.2	4.9
Bradley	18.1	16.4	12.1	Haywood	11.3	11.7	9.0	Polk	4.5	4.0	3.3
Campbell	9.6	7.7	7.4	Henderson	7.4	7.6	7.3	Putnam	13.0	12.5	13.6
Cannon	10.6	9.8	9.2	Henry	12.4	13.9	14.8	Rhea	8.8	7.4	7.0
Carroll	11.3	13.0	14.2	Hickman	8.5	7.8	7.4	Roane	10.1	9.4	9.3
Carter	9.5	7.4	7.8	Houston	3.9	3.5	3.6	Robertson	20.0	18.6	23.7
Cheatham	5.6	4.1	5.3	Humphreys	6.4	6.5	6.6	Rutherford	37.7	33.8	32.3
Chester	4.9	3.4	3.3	Jackson	6.9	7.7	6.5	Scott	4.3	4.1	4.1
Claiborne	18.8	19.7	21.6	Jefferson	25.2	19.6	20.3	Sequatchie	4.4	3.2	3.4
Clay	6.7	5.5	5.2	Johnson	9.4	9.0	9.6	Sevier	18.3	16.1	16.1
Cocke	15.9	13.1	12.3	Knox	31.7	27.6	21.9	Shelby	12.4	12.6	9.7
Coffee	14.4	13.6	15.7	Lake	1.7	1.0	.9	Smith	14.2	16.3	15.6
Crockett	6.1	7.9	8.0	Lauderdale	6.0	5.4	4.6	Stewart	3.9	3.8	8.3
Cumberland	11.2	12.2	12.4	Lawrence	10.4	10.0	12.8	Sullivan	25.4	20.2	22.5
Davidson	17.3	14.3	11.8	Lewis	2.0	1.8	2.0	Sumner	26.8	28.6	28.8
Decatur	5.5	5.1	5.1	Lincoln	29.4	24.3	21.2	Tipton	3.8	5.2	4.6
DeKalb	12.6	10.9	12.1	Loudon	15.6	15.2	14.7	Trousdale	6.0	6.3	6.7
Dickson	10.3	10.1	11.2	McMinn	27.5	28.3	21.4	Unicoi	2.8	2.9	2.8
Dyer	6.3	6.0	7.9	McNairy	6.2	3.7	4.1	Union	9.0	8.0	7.5
Fayette	11.6	14.6	15.5	Macon	15.6	14.3	15.0	Van Buren	3.3	3.5	3.6
Fentress	10.0	9.0	10.3	Madison	11.7	10.0	11.3	Warren	20.7	19.5	20.7
Franklin	20.8	19.3	18.6	Marion	5.5	5.5	5.0	Washington	30.0	30.3	26.4
Gibson	11.3	14.7	15.4	Marshall	18.6	19.9	20.4	Wayne	5.3	5.4	5.0
Giles	25.6	23.3	22.6	Mauzy	25.6	25.4	24.6	Weakley	16.9	20.2	18.4
Grainger	14.5	12.8	13.8	Meigs	9.2	7.9	6.9	White	16.2	16.1	17.0
Greene	52.5	50.3	53.0	Monroe	24.0	20.6	18.4	Williamson	27.9	29.3	26.7
Grundy	2.6	2.7	3.4	Montgomery	13.3	14.1	14.6	Wilson	29.2	30.7	30.3
Hamblen	14.5	12.2	12.6	Moore	4.9	4.2	4.7	Total	1,267.6	1,194.6	1,182.3

Table 35. The 20 Tennessee counties with the most acres devoted to hay crops, 1964

(Thousands of acres)

Greene	53.0	Giles	22.6
Rutherford	32.3	Sullivan	22.5
Wilson	30.3	Knox	21.9
Bedford	30.0	Claiborne	21.6
Sumner	28.8	McMinn	21.4
Williamson	26.7	Lincoln	21.2
Washington	26.4	Warren	20.7
Maury	24.6	Jefferson	20.3
Hawkins	24.0	Marshall	20.0
Robertson	23.7	Franklin	18.6

Table 36. Gross sales of fruits and vegetables in Tennessee (thousands of dollars), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	30.0	11.1	16.8	Hamilton	264.5	104.2	81.9	Morgan	47.6	34.0	26.5
Bedford	11.1	7.7	5.5	Hancock	24.2	10.3	10.8	Obion	97.5	72.7	161.3
Benton	7.7	5.0	6.3	Hardeman	142.2	193.5	252.5	Overton	232.6	111.1	28.5
Bledsoe	166.7	75.4	67.5	Hardin	14.7	22.3	9.6	Perry	3.7	1.7	.6
Blount	58.8	48.0	34.0	Hawkins	31.8	23.6	30.2	Pickett	60.3	42.1	18.8
Bradley	23.8	29.1	16.2	Haywood	195.0	450.8	651.1	Polk	15.8	3.4	2.2
Campbell	15.6	23.8	7.1	Henderson	27.5	22.4	22.9	Putnam	72.2	22.8	19.9
Cannon	5.9	3.2	3.4	Henry	41.7	29.6	22.7	Rhea	194.6	149.3	159.7
Carroll	36.3	33.2	43.2	Hickman	12.0	5.4	12.2	Roane	33.6	33.8	48.5
Carter	60.9	52.4	70.5	Houston	3.6	2.1	2.5	Robertson	82.2	84.8	52.9
Cheatham	13.9	22.7	17.8	Humphreys	9.2	3.8	1.6	Rutherford	16.2	16.8	15.2
Chester	16.5	6.7	10.2	Jackson	15.8	10.7	7.5	Scott	39.8	16.7	6.3
Claiborne	45.4	67.4	73.8	Jefferson	59.2	165.6	203.9	Sequatchie	13.6	19.8	14.6
Clay	130.8	91.4	69.0	Johnson	330.1	407.7	448.2	Sevier	53.6	54.8	55.1
Cocke	152.4	323.5	304.7	Knox	121.4	85.6	93.1	Shelby	323.6	281.3	269.4
Coffee	34.1	16.8	16.6	Lake	16.0	20.8	12.6	Smith	14.9	2.6	2.6
Crockett	345.2	480.8	606.0	Lauderdale	233.2	131.2	278.7	Stewart	4.8	4.9	3.5
Cumberland	194.2	442.7	495.3	Lawrence	233.2	131.2	91.9	Sullivan	45.9	29.7	77.8
Davidson	264.0	285.8	268.9	Lewis	3.5	2.7	3.4	Sumner	361.0	299.4	176.9
Decatur	13.0	5.0	1.5	Lincoln	65.2	32.1	51.3	Tipton	38.7	58.8	94.6
DeKalb	33.8	9.9	4.0	Loudon	19.8	37.7	51.0	Trousdale	4.7	3.4	2.6
Dickson	10.2	8.6	6.7	McMinn	44.8	26.2	35.1	Unicoi	38.7	39.9	164.6
Dyer	320.7	462.4	503.8	McNairy	26.9	12.0	11.5	Union	17.9	8.0	15.8
Fayette	27.9	328.9	555.5	Macon	43.0	91.7	14.6	Van Buren	48.0	14.9	2.5
Fentress	344.8	540.7	692.9	Madison	125.4	287.4	568.5	Warren	56.5	46.5	39.1
Franklin	29.1	20.8	25.3	Marion	16.8	14.8	9.2	Washington	11.7	51.3	65.8
Gibson	392.0	353.7	733.8	Marshall	14.5	5.9	10.3	Wayne	11.7	44.3	39.6
Giles	22.0	6.0	6.6	Maury	14.9	11.3	9.3	Weakley	136.4	205.8	218.8
Grainger	93.3	103.9	175.7	Meigs	122.1	81.4	103.5	White	38.0	32.0	20.7
Greene	58.4	48.1	26.0	Monroe	112.0	99.4	63.2	Williamson	70.4	23.5	16.5
Grundy	33.1	3.7	11.8	Montgomery	22.0	15.0	17.3	Wilson	33.5	33.1	30.7
Hamblen	10.8	26.7	8.7	Moore	4.2	1.1	.9	Total	7,363.5	8,327.8	9,949.1

Table 37. The 20 Tennessee counties with the highest total gross sales of fruits and vegetables by farms, 1964

(Thousands of dollars)

Gibson	733.8	Lauderdale	278.7
Fentress	692.9	Shelby	269.4
Haywood	651.1	Davidson	268.9
Crockett	606.0	Hardeman	252.5
Madison	568.5	Weakley	218.8
Fayette	555.5	Jefferson	203.9
Dyer	503.8	Sumner	176.9
Cumberland	495.3	Grainger	176.9
Johnson	448.2	Unicoi	175.7
Cocke	304.7	Obion	161.3

PART IV

PURCHASED INPUTS

One of the most important changes in the farm business in recent years has been the increase in off-farm purchase of inputs. The number and value of these inputs has become a critical factor in the management of a modern farm. At the same time, purchased inputs are of extreme importance to the non-farm segments of any community where agriculture is present.

This section indicates trends and levels of selected inputs representative of many others bought by farmers everywhere. Fertilizer and lime used and hired labor expense indicate the increased substitution of capital inputs for labor.

An interesting feature of Table 24 is the failure of expenditures for hired labor to increase from 1959 to 1964. This reflects the substitution of capital items for labor.

Expenditures for dry and liquid fertilizer are not available separately for all the census years included. Data indicate a growing use of liquid forms. Dry materials used are increasingly of higher analysis which may help explain why there was not a larger increase in total tonnage reported between 1954 and 1964.

Table 38. Tons of dry and liquid fertilizer used by Tennessee farmers (thousands of tons), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	2.1	2.1	1.3	Hamilton	3.6	2.6	2.4	Morgan	1.6	1.4	1.5
Bedford	6.7	6.2	4.9	Hancock	3.5	3.2	3.7	Obion	6.4	7.1	9.7
Benton	2.3	2.0	2.1	Hardeman	11.1	12.2	10.3	Overton	3.9	4.4	3.7
Bledsoe	3.9	3.3	4.6	Hardin	3.7	4.6	4.9	Perry	1.5	1.5	1.1
Blount	7.9	5.6	5.1	Hawkins	7.3	7.8	7.6	Pickett	1.8	2.3	1.9
Bradley	4.1	3.4	3.2	Haywood	13.3	13.7	15.7	Polk	1.4	1.3	1.8
Campbell	1.8	2.1	2.1	Henderson	8.5	9.1	10.3	Putnam	5.8	4.7	3.9
Cannon	2.2	2.3	1.7	Henry	7.4	7.8	8.7	Rhea	3.2	2.2	2.1
Carroll	8.8	10.4	10.8	Hickman	2.6	3.1	3.5	Roane	2.5	2.2	2.0
Carter	3.0	2.6	2.5	Houston	1.6	1.2	1.4	Robertson	19.7	19.5	16.5
Cheatham	3.8	3.5	4.1	Humphreys	3.2	3.0	3.7	Rutherford	8.2	5.2	7.0
Chester	5.5	5.7	6.0	Jackson	2.6	3.4	2.9	Scott	.9	.9	1.2
Claiborne	7.0	7.0	7.3	Jefferson	6.9	5.8	6.8	Sequatchie	1.6	2.0	1.0
Clay	2.8	2.8	2.9	Johnson	3.6	4.2	3.7	Sevier	5.5	5.0	4.6
Cocke	4.1	4.1	3.9	Knox	7.4	7.3	5.3	Shelby	13.0	12.6	12.8
Coffee	7.2	6.9	7.4	Lake	3.8	3.5	6.0	Smith	2.8	3.1	3.0
Crockett	10.8	9.7	12.7	Lauderdale	8.1	9.4	12.1	Stewart	3.0	2.9	1.9
Cumberland	4.6	4.8	4.4	Lawrence	12.1	9.9	8.9	Sullivan	6.1	6.7	6.2
Davidson	1.9	2.7	2.5	Lewis	.8	.9	.5	Sumner	7.6	7.6	7.5
Decatur	2.3	2.9	2.6	Lincoln	9.8	9.0	8.6	Tipton	10.7	12.2	14.5
DeKalb	4.3	3.3	4.0	Loudon	4.6	3.2	4.3	Trousdale	1.8	1.4	1.7
Dickson	6.0	4.1	4.2	McMinn	6.9	6.6	6.4	Unicoi	1.3	1.1	1.2
Dyer	8.4	10.0	11.5	McNairy	8.5	9.8	10.2	Union	2.5	2.2	2.3
Fayette	14.3	17.1	20.3	Macon	5.3	5.6	5.6	Van Buren	.9	.9	1.6
Fentress	3.3	4.1	5.0	Madison	12.3	12.7	15.1	Warren	8.4	8.0	8.3
Franklin	11.0	9.5	8.9	Marion	1.8	2.1	2.0	Washington	9.1	9.2	9.4
Gibson	16.4	17.5	24.3	Marshall	3.6	3.0	3.1	Wayne	2.8	3.0	2.9
Giles	5.2	4.5	5.8	Maur	3.6	5.5	5.6	Weakley	9.0	8.5	9.9
Grainger	5.4	4.8	4.5	Meigs	1.8	1.8	1.5	White	7.0	6.1	6.7
Greene	15.0	14.6	16.8	Monroe	5.5	5.8	6.6	Williamson	5.0	3.9	4.5
Grundy	1.2	1.1	1.1	Montgomery	9.8	9.8	9.2	Wilson	3.7	3.9	3.4
Hamblen	4.3	4.1	4.0	Moore	1.1	1.0	1.3	Total	528.4	526.4	556.2

Table 39. The 20 Tennessee counties with the highest total utilization of commercial dry and liquid fertilizers on farms, 1964

(Thousands of tons)			
Gibson	24.3	Dyer	11.5
Fayette	20.3	Carroll	10.8
Greene	16.8	Hardeman	10.3
Robertson	16.5	Henderson	10.3
Haywood	15.7	McNairy	10.2
Madison	15.1	Weakley	9.9
Tipton	14.5	Obion	9.7
Shelby	12.8	Washington	9.4
Crockett	12.7	Montgomery	9.2
Lauderdale	12.1	Franklin	8.9

Table 40. Tons of lime used by Tennessee farmers (thousands of tons), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	1.0	3.5	2.1	Hamilton	1.5	4.5	8.8	Morgan	3.1	3.3	4.0
Bedford	1.9	16.6	14.2	Hancock	1.2	1.8	3.4	Obion	6.7	18.2	30.2
Benton	.6	2.1	7.3	Hardeman	2.6	10.0	18.1	Overton	1.5	7.7	5.8
Bledsoe	4.1	8.0	13.3	Hardin	2.1	8.4	11.7	Perry	1.6	1.8	4.0
Blount	8.0	11.9	12.3	Hawkins	1.6	5.1	7.6	Pickett	1.0	5.2	3.2
Bradley	2.2	8.4	8.9	Haywood	1.6	22.0	34.7	Polk	.9	3.4	2.6
Campbell	.8	3.6	4.3	Henderson	2.6	11.8	20.4	Putnam	5.1	9.5	8.4
Cannon	1.5	7.6	4.7	Henry	5.7	23.2	21.4	Rhea	1.1	4.6	6.7
Carroll	1.6	12.6	20.4	Hickman	.7	8.2	6.5	Roane	1.6	4.7	5.6
Carter	1.1	2.3	2.5	Houston	.4	1.8	2.7	Robertson	7.1	30.6	30.0
Cheatham	.9	3.5	5.7	Humphreys	.9	5.2	6.4	Rutherford	2.2	13.2	18.0
Chester	.6	7.1	7.8	Jackson	.8	1.7	4.4	Scott	.8	1.5	3.0
Claiborne	1.1	3.4	6.1	Jefferson	4.4	9.3	17.7	Sequatchie	.9	2.9	4.1
Clay	.6	3.4	4.1	Johnson	.8	4.0	6.0	Sevier	3.1	5.0	9.9
Cocke	.9	3.3	4.1	Knox	5.2	8.7	5.2	Shelby	3.3	9.2	13.8
Coffee	4.1	14.9	17.5	Lake	.09	.4	.5	Smith	.3	1.9	8.0
Crockett	2.6	11.7	24.1	Lauderdale	.9	1.4	13.6	Stewart	.5	1.8	3.7
Cumberland	4.0	6.5	7.5	Lawrence	4.4	13.6	19.8	Sullivan	2.8	7.2	8.0
Davidson	2.3	6.6	7.6	Lewis	.7	1.5	1.1	Sumner	3.8	20.9	27.1
Decatur	1.0	3.1	6.3	Lincoln	3.0	9.8	10.9	Tipton	.4	5.5	9.0
DeKalb	3.0	5.6	9.4	Loudon	4.4	8.1	8.6	Trousdale	.3	2.2	3.2
Dickson	1.6	7.9	11.9	McMinn	5.6	9.5	16.6	Unicoi	.8	.5	1.7
Dyer	2.8	13.1	23.4	McNairy	1.1	4.7	13.5	Union	.8	1.9	1.7
Fayette	4.8	9.7	33.9	Macon	2.5	9.9	9.7	Van Buren	.8	2.4	3.6
Fentress	2.0	6.5	8.0	Madison	1.5	8.5	24.3	Warren	.7	16.5	18.7
Franklin	4.7	16.1	17.6	Marion	.8	6.5	5.3	Washington	3.9	16.6	12.9
Gibson	2.1	23.1	56.0	Marshall	1.1	4.4	7.3	Wayne	1.7	7.0	8.7
Giles	4.0	11.6	7.5	Maury	4.1	15.5	19.7	Weakley	5.2	22.5	30.2
Grainger	2.8	5.5	7.9	Meigs	.4	2.1	7.7	White	2.5	10.4	12.5
Greene	6.4	19.3	17.0	Monroe	3.3	9.5	11.3	Williamson	7.4	13.1	12.6
Grundy	.7	1.2	1.5	Montgomery	3.3	20.1	23.6	Wilson	.9	9.3	15.5
Hamblen	2.8	4.1	3.1	Moore	.5	1.3	1.3	Total	216.59	776.8	1,074.2

Table 41. The 20 Tennessee counties with the highest total utilization of lime on farms, 1964

(Thousands of tons)

Gibson	56.0	Dyer	23.4
Haywood	34.7	Henry	21.4
Fayette	33.9	Carroll	20.4
Obion	30.2	Henderson	20.4
Weakley	30.2	Lawrence	19.8
Robertson	30.0	Maury	19.7
Sumner	27.1	Warren	18.7
Madison	24.3	Hardeman	18.1
Crockett	24.1	Rutherford	18.0
Montgomery	23.6	Jefferson	17.7

Table 42. Cost of labor hired on Tennessee farms (thousands of dollars), by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	96.9	225.7	100.3	Hamilton	527.7	550.9	326.5	Morgan	60.9	112.4	93.3
Bedford	308.7	383.4	473.1	Hancock	63.3	77.7	72.4	Obion	508.7	949.2	808.9
Benton	45.6	60.2	53.3	Hardeman	460.8	495.9	531.8	Overton	95.3	97.6	78.0
Bledsoe	182.4	103.7	161.7	Hardin	137.4	188.2	153.5	Perry	66.7	59.8	46.8
Blount	289.4	276.2	330.4	Hawkins	237.1	264.3	355.0	Pickett	28.5	72.4	57.0
Bradley	238.3	207.9	293.4	Haywood	418.1	886.1	829.9	Polk	23.8	85.8	35.0
Campbell	111.9	67.1	88.7	Henderson	222.6	351.3	388.9	Putnam	140.2	130.9	132.5
Cannon	61.9	54.8	52.1	Henry	192.5	311.9	433.2	Rhea	200.6	94.4	140.0
Carroll	264.2	603.2	492.1	Hickman	106.7	62.3	110.6	Roane	80.4	109.0	110.6
Carter	92.7	101.6	174.3	Houston	55.8	32.3	43.9	Robertson	634.0	778.4	839.4
Cheatham	61.7	166.5	221.4	Humphreys	63.4	114.0	103.5	Rutherford	454.3	558.6	599.0
Chester	113.7	221.1	182.5	Jackson	81.8	112.4	98.3	Scott	24.0	58.3	99.9
Claiborne	129.6	199.7	192.2	Jefferson	326.7	302.5	393.5	Sequatchie	132.2	176.7	61.7
Clay	51.8	59.3	83.5	Johnson	143.0	228.6	355.6	Sevier	121.6	170.3	180.4
Cocke	176.5	227.5	259.1	Knox	866.2	820.0	1,010.7	Shelby	2,362.1	2,700.4	2,171.7
Coffee	311.8	254.4	245.9	Lake	2,052.7	1,098.6	1,113.9	Smith	113.9	98.7	167.4
Crockett	962.0	1,139.6	656.3	Lauderdale	876.0	1,181.9	1,336.9	Stewart	77.3	99.6	88.4
Cumberland	121.6	312.4	190.8	Lawrence	365.0	298.3	332.8	Sullivan	399.8	530.1	525.4
Davidson	491.1	1,154.7	701.8	Lewis	15.9	33.3	31.0	Sumner	402.5	618.1	592.4
Decatur	72.1	72.2	75.6	Lincoln	452.0	466.3	492.7	Tipton	1,186.3	1,479.3	1,311.9
DeKalb	94.3	60.1	151.7	Loudon	198.7	267.4	317.1	Trousdale	116.5	77.3	110.8
Dickson	170.2	102.7	124.5	McMinn	286.6	403.0	516.0	Unicoi	26.9	31.1	36.5
Dyer	1,025.3	1,405.8	1,096.8	McNairy	190.3	305.1	345.1	Union	58.5	53.1	71.5
Fayette	624.3	1,045.2	1,094.1	Macon	103.9	95.0	89.5	Van Buren	14.5	25.3	25.6
Fentress	161.0	454.0	469.1	Madison	513.6	837.6	731.7	Warren	279.9	700.8	857.0
Franklin	480.7	658.2	516.3	Marion	65.4	93.2	107.1	Washington	348.5	386.0	681.5
Gibson	1,058.5	1,925.5	1,457.4	Marshall	222.0	360.9	373.8	Wayne	65.5	117.3	111.3
Giles	335.7	400.4	407.6	Mauzy	602.5	878.9	687.6	Weakley	316.7	502.9	363.1
Grainger	88.8	137.2	169.7	Meigs	52.6	58.8	87.6	White	81.3	171.6	212.4
Greene	465.4	437.6	702.3	Monroe	179.6	389.4	454.8	Williamson	566.2	752.1	624.7
Grundy	28.3	25.7	59.3	Montgomery	379.6	430.3	521.3	Wilson	251.2	233.9	434.5
Hamblen	137.9	212.9	165.2	Moore	20.0	38.5	34.2	Total	28,592.6	36,818.0	35,891.5

Table 43. The 20 Tennessee counties with the highest total farm expenditures for hired farm labor, 1964

(Thousands of dollars)

Shelby	2,172	Haywood	830
Gibson	1,457	Obion	809
Lauderdale	1,337	Madison	732
Tipton	1,312	Davidson	702
Lake	1,114	Greene	702
Dyer	1,097	Maury	688
Fayette	1,094	Washington	682
Knox	1,011	Crockett	656
Warren	857	Willamson	625
Robertson	839	Rutherford	599

PART V

FARM OPERATORS

Full owners, part owners, and tenants are often referred to collectively as "farm operators." The number of farms in a given area which are operated by each type can affect the entire nature of agriculture in the area. For example, a tenant without a long term lease may be less inclined than a full owner to become involved in enterprises requiring long term investments which may be difficult for him to recover on short notice. This section gives the number of each type of operator in all Tennessee counties.

Another very important characteristic of farmers in modern agriculture is the extent to which they work off the farm. This trend is represented by the number of Tennessee farmers working off their farms 100 days or more. The number of these operators is decreasing, but their percentage increased from 32% in 1959 to 35.2% in 1964.

Table 44. Number of farm operators working off farm 100 days or more, by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	795	477	388	Hamilton	1,028	490	424	Morgan	517	334	247
Bedford	675	679	606	Hancock	290	224	240	Obion	527	543	453
Benton	285	301	275	Hardeman	495	428	476	Overton	602	505	406
Bledsoe	336	271	202	Hardin	584	364	313	Perry	192	194	189
Blount	1,722	1,161	821	Hawkins	1,157	945	894	Pickett	136	233	167
Bradley	616	583	440	Haywood	307	363	357	Polk	350	221	153
Campbell	685	327	281	Henderson	410	425	404	Putnam	721	633	733
Cannon	390	427	399	Henry	661	550	539	Rhea	423	301	244
Carroll	775	594	660	Hickman	391	390	399	Roane	662	480	440
Carter	1,245	1,002	628	Houston	222	165	145	Robertson	513	464	476
Cheatham	386	362	370	Humphreys	355	292	315	Rutherford	1,190	1,066	940
Chester	270	237	246	Jackson	331	326	386	Scott	440	330	235
Claiborne	477	534	580	Jefferson	635	635	725	Sequatchie	231	149	101
Clay	213	226	229	Johnson	521	471	477	Sevier	856	896	940
Cocke	596	535	541	Knox	1,952	1,098	891	Shelby	1,764	1,038	686
Coffee	542	550	581	Lake	147	80	41	Smith	400	399	399
Crockett	326	322	313	Lauderdale	338	309	333	Stewart	247	306	267
Cumberland	712	600	468	Lawrence	747	1,047	1,111	Sullivan	1,583	1,236	1,141
Davidson	1,381	825	655	Lewis	206	195	160	Sumner	1,091	966	998
Decatur	299	236	252	Lincoln	766	799	795	Tipton	785	548	530
DeKalb	320	414	385	Loudon	565	457	475	Trousdale	95	114	167
Dickson	563	604	633	McMinn	770	748	672	Unicoi	395	267	281
Dyer	354	402	303	McNairy	436	402	386	Union	440	413	365
Fayette	511	457	416	Macon	517	376	389	Van Buren	155	157	117
Fentress	602	411	355	Madison	807	582	491	Warren	656	640	667
Franklin	757	736	630	Marion	426	322	224	Washington	1,313	1,182	1,022
Gibson	685	834	781	Marshall	612	665	583	Wayne	416	539	458
Giles	750	814	878	Maurry	824	772	800	Weakley	821	706	642
Grainger	505	565	638	Meigs	261	227	180	White	465	525	572
Greene	1,507	1,410	1,632	Monroe	976	760	681	Williamson	698	726	645
Grundy	269	206	180	Montgomery	656	618	605	Wilson	880	886	882
Hamblen	500	488	492	Moore	325	227	249	Total	57,311	50,339	46,753

Table 45. The 20 Tennessee counties with the largest numbers of farm operators working off their farms 100 days or more, 1964

(Number of operators)

Greene	1,632	Giles	878
Sullivan	1,141	Blount	821
Lawrence	1,111	Maury	800
Washington	1,022	Lincoln	795
Sumner	998	Gibson	781
Rutherford	940	Putnam	733
Sevier	940	Jefferson	725
Hawkins	894	Shelby	686
Knox	891	Monroe	681
Wilson	882	McMinn	672

Table 46. Number of full owners operating Tennessee farms, by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	1,192	689	573	Hamilton	1,527	724	631	Morgan	783	627	476
Bedford	1,316	1,294	1,132	Hancock	1,142	975	786	Obion	1,166	1,077	886
Benton	630	525	509	Hardeman	957	821	627	Overton	1,516	1,180	949
Bledsoe	717	623	410	Hardin	1,019	635	548	Perry	436	354	303
Blount	2,388	1,711	1,226	Hawkins	2,386	2,129	1,880	Pickett	498	469	409
Bradley	1,052	853	753	Haywood	828	709	622	Polk	580	310	231
Campbell	1,143	791	620	Henderson	1,231	899	887	Putnam	1,682	1,338	1,301
Cannon	1,158	832	822	Henry	1,554	1,108	1,046	Rhea	718	556	409
Carroll	1,811	1,434	1,244	Hickman	988	730	698	Roane	1,065	760	621
Carter	2,124	1,607	1,151	Houston	427	284	278	Robertson	1,413	1,469	1,195
Cheatham	755	587	562	Humphreys	663	484	516	Rutherford	2,094	1,817	1,687
Chester	637	482	461	Jackson	1,097	921	975	Scott	860	589	361
Claiborne	1,804	1,559	1,690	Jefferson	1,663	1,501	1,165	Sequatchie	349	240	174
Clay	672	594	597	Johnson	1,591	1,270	1,155	Sevier	1,899	1,576	1,582
Cocke	1,634	1,216	1,014	Knox	2,958	1,976	1,440	Shelby	2,077	1,248	849
Coffee	1,122	1,068	1,034	Lake	69	58	37	Smith	1,323	1,212	1,077
Crockett	883	641	559	Lauderdale	690	526	486	Stewart	680	510	409
Cumberland	1,289	1,001	797	Lawrence	1,802	1,543	1,450	Sullivan	2,554	2,135	1,762
Davidson	1,883	1,246	920	Lewis	358	311	262	Sumner	2,170	2,067	1,897
Decatur	613	565	495	Lincoln	1,562	1,528	1,441	Tipton	1,059	760	671
DeKalb	1,181	1,016	882	Loudon	1,071	949	819	Trousdale	394	311	353
Dickson	1,290	1,016	1,031	McMinn	1,471	1,249	1,142	Unicoi	704	532	499
Dyer	749	601	532	McNairy	1,248	911	704	Union	969	717	738
Fayette	805	687	668	Macon	1,289	1,079	1,033	Van Buren	374	321	248
Fentress	1,094	780	721	Madison	1,358	1,092	845	Warren	1,571	1,279	1,303
Franklin	1,332	1,273	1,122	Marion	639	469	393	Washington	2,482	2,105	1,716
Gibson	2,169	1,684	1,463	Marshall	1,234	1,178	1,080	Wayne	887	772	708
Giles	1,845	1,555	1,638	Maury	1,645	1,477	1,419	Weakley	2,010	1,633	1,439
Grainger	1,551	1,303	1,051	Meigs	431	337	348	White	1,327	1,073	1,183
Greene	3,440	3,063	2,852	Monroe	1,797	1,398	1,271	Williamson	1,617	1,122	1,182
Grundy	492	428	382	Montgomery	1,294	1,068	1,031	Wilson	1,931	1,749	1,627
Hamblen	1,020	1,018	818	Moore	466	384	384	Total	119,434	96,474	85,373

Table 47. The 20 Tennessee counties with the most full owners operating farms, 1964

(Number of full owners)

Greene	2,852	Gibson	1,463
Sumner	1,897	Lawrence	1,450
Hawkins	1,880	Lincoln	1,441
Sullivan	1,762	Knox	1,440
Washington	1,716	Weakley	1,439
Claiborne	1,690	Maury	1,419
Rutherford	1,687	Monroe	1,371
Giles	1,638	Warren	1,303
Wilson	1,627	Putnam	1,301
Sevier	1,582	Carroll	1,244

Table 48. Number of part owners operating Tennessee farms, by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	201	167	148	Hamilton	191	144	120	Morgan	71	103	73
Bedford	382	304	267	Hancock	286	281	309	Obion	522	439	410
Benton	245	169	142	Hardeman	339	262	324	Overton	361	305	170
Bledsoe	63	68	80	Hardin	432	377	295	Perry	162	142	118
Blount	309	312	204	Hawkins	531	537	492	Pickett	179	180	127
Bradley	193	189	124	Haywood	370	341	384	Polk	87	78	56
Campbell	189	154	131	Henderson	439	465	351	Putnam	452	384	357
Cannon	143	210	141	Henry	559	517	395	Rhea	170	92	99
Carroll	633	542	518	Hickman	264	207	151	Roane	116	139	206
Carter	228	167	139	Houston	128	112	77	Robertson	402	266	372
Cheatham	211	249	202	Humphreys	220	184	121	Rutherford	392	337	303
Chester	288	262	281	Jackson	316	335	319	Scott	68	75	47
Claiborne	407	586	446	Jefferson	212	142	386	Sequatchie	41	47	48
Clay	251	247	224	Johnson	116	291	323	Sevier	292	472	443
Cocke	304	322	333	Knox	372	289	278	Shelby	572	414	396
Coffee	305	258	246	Lake	92	85	84	Smith	398	388	377
Crockett	335	364	366	Lauderdale	426	419	410	Stewart	216	207	187
Cumberland	199	203	148	Lawrence	628	530	451	Sullivan	440	281	406
Davidson	224	178	152	Lewis	84	78	55	Sumner	628	509	529
Decatur	247	214	153	Lincoln	494	430	400	Tipton	531	567	544
DeKalb	190	226	220	Loudon	172	119	168	Trousdale	122	150	145
Dickson	353	339	260	McMinn	304	332	253	Unicoi	148	137	110
Dyer	383	374	377	McNairy	489	445	453	Union	250	284	170
Fayette	360	403	414	Macon	492	486	461	Van Buren	59	82	46
Fentress	224	184	165	Madison	531	396	423	Warren	433	408	318
Franklin	429	376	305	Marion	129	125	92	Washington	480	556	502
Gibson	907	940	793	Marshall	177	179	175	Wayne	295	235	166
Giles	518	418	330	Mauzy	471	403	326	Weakley	767	675	565
Grainger	319	339	511	Meigs	116	104	98	White	305	384	244
Greene	1,004	952	1,026	Monroe	298	307	232	Williamson	352	322	302
Grundy	62	39	61	Montgomery	498	436	359	Wilson	467	402	377
Hamblen	244	186	241	Moore	88	94	87	Total	30,392	28,453	26,213

Table 49. The 20 Tennessee counties with the most part-owners operating farms, 1964

(Number of part owners)

Greene	1,026	McNairy	453
Gibson	793	Lawrence	451
Weakley	565	Claiborne	446
Tipton	544	Sevier	443
Sumner	529	Madison	423
Carroll	518	Fayette	414
Grainger	511	Lauderdale	410
Washington	502	Obion	410
Hawkins	492	Sullivan	406
Macon	461	Lincoln	400

Table 50. Number of tenants operating Tennessee farms, by counties, 1954, 1959, and 1964

COUNTY	1954	1959	1964	COUNTY	1954	1959	1964	COUNTY	1954	1959	1964
Anderson	160	70	37	Hamilton	178	64	36	Morgan	53	36	9
Bedford	595	277	174	Hancock	320	210	232	Obion	795	531	232
Benton	160	72	61	Hardeman	1,411	799	615	Overton	316	190	86
Bledsoe	44	50	25	Hardin	556	307	201	Perry	116	71	49
Blount	142	112	61	Hawkins	723	450	310	Pickett	101	62	24
Bradley	180	109	61	Haywood	3,086	2,157	1,424	Polk	102	51	18
Campbell	134	55	49	Henderson	753	431	244	Putnam	405	273	209
Cannon	202	186	65	Henry	382	170	127	Rhea	116	41	15
Carroll	755	445	272	Hickman	153	118	83	Roane	123	89	65
Carter	93	52	32	Houston	66	41	21	Robertson	1,172	320	519
Cheatham	266	169	102	Humphreys	154	106	64	Rutherford	945	404	173
Chester	469	303	188	Jackson	471	292	209	Scott	88	42	19
Claiborne	409	392	265	Jefferson	207	72	201	Sequatchie	40	21	7
Clay	166	125	107	Johnson	99	117	82	Sevier	379	305	260
Cocke	510	308	313	Knox	248	101	73	Shelby	2,473	1,339	793
Coffee	270	134	91	Lake	595	277	99	Smith	784	492	283
Crockett	1,388	1,019	589	Lauderdale	2,246	1,506	973	Stewart	237	144	92
Cumberland	58	58	33	Lawrence	762	321	231	Sullivan	499	152	214
Davidson	251	142	91	Lewis	84	34	20	Sumner	720	395	327
Decatur	185	127	49	Lincoln	1,341	830	456	Tipton	2,310	1,431	928
DeKalb	156	264	132	Loudon	155	51	116	Trousdale	330	185	192
Dickson	253	127	67	McMinn	233	198	106	Unicoi	102	72	59
Dyer	1,519	895	537	McNairy	858	509	329	Union	207	162	85
Fayette	3,003	2,346	1,405	Macon	627	368	261	Van Buren	45	18	5
Fentress	146	54	37	Madison	1,703	1,208	773	Warren	248	139	89
Franklin	497	311	155	Marion	126	81	26	Washington	578	341	250
Gibson	1,082	1,349	776	Marshall	475	264	133	Wayne	262	128	72
Giles	932	580	320	Mauzy	883	384	286	Weakley	623	355	190
Grainger	375	218	346	Meigs	134	93	17	White	189	163	52
Greene	1,507	824	853	Monroe	439	247	128	Williamson	686	414	279
Grundy	42	30	10	Montgomery	676	428	282	Wilson	582	379	222
Hamblen	291	130	137	Moore	209	102	87	Total	52,939	32,394	21,502

Table 51. The 20 Tennessee counties with the most tenants operating farms, 1964

(Number of tenants)			
Haywood	1,424	Dyer	537
Fayette	1,405	Robertson	519
Lauderdale	973	Lincoln	456
Tipton	928	Grainger	346
Greene	853	McNairy	329
Shelby	793	Sumner	327
Gibson	776	Giles	320
Madison	773	Cocke	313
Hardeman	615	Hawkins	310
Crockett	589	Maury	286

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