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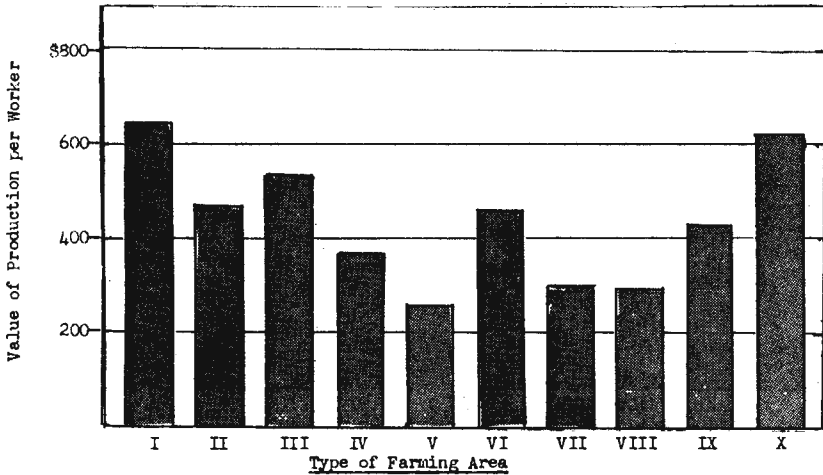
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# Variations in Production per Farm and per Worker in Missouri, 1939

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In wartime, manpower is an item of scarcity and must be used as effectively as possible on farms as well as in factories and offices. Since the productivity of farm operators and workers varies widely from area to area within the United States and even within a particular state, it has become necessary to promote the shifting of workers and even farm operators from one area to another to make most efficient use of the manpower available for farm production.

To assist those charged with the handling of Missouri farm labor problems in their determination of policies, information relative to differences in productivity of workers among the areas of the state



Average value of farm production per worker, by type of farming areas, Missouri, 1939.

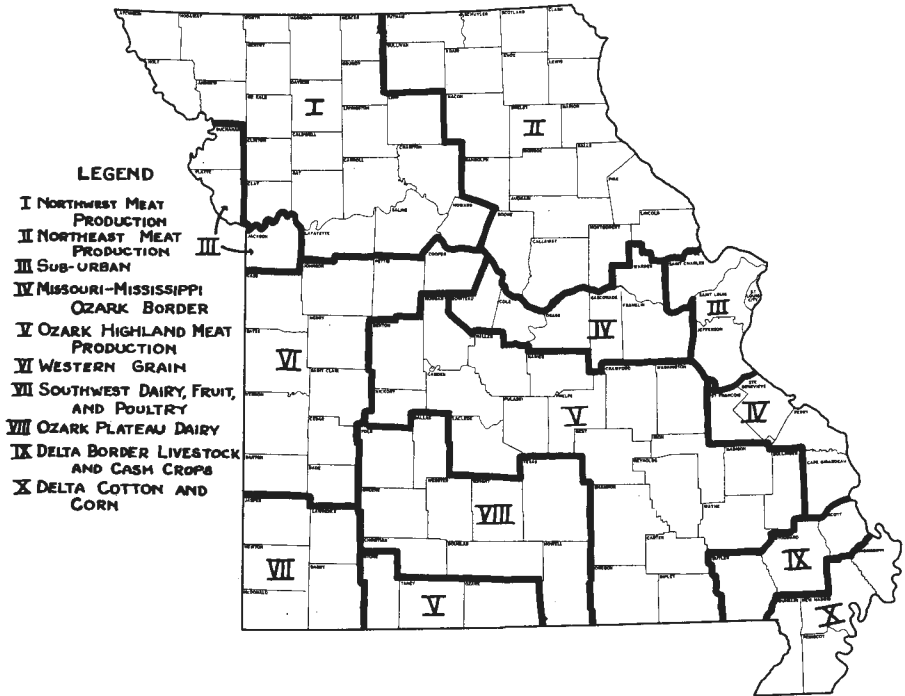


Fig. 1.—Types of farming areas used in this study.

is needed. Unfortunately, the latest data which may be used for these comparisons are those collected during the 1939 census. Although productivity has increased greatly since 1939, which makes the data presented appear out-of-date, it is expected that the relative position of counties and areas has not changed greatly. Thus, the material presented may be used to indicate the relative productivity of farm manpower within a county or area.

### Production per Farm

It would be desirable to state farm productivity information in physical units, but this is not possible. Thus, the dollar value of production must be used as the best substitute. In 1939, the value of farm production, which includes products used on the farm as well as those sold, ranged, by type-of-farming areas, from \$590 per farm in Area V (Ozark) to \$1,911 in Area X (Southeast Lowland), (Table 1). The state average was \$1,048 per farm.

By counties, value of production per farm varied from \$305 per farm in Carter to \$3,339 in Atchison. Clay, Clinton, and Holt Counties, in Northwest Missouri, and New Madrid and Pemiscot

TABLE 1.-VALUE OF FARM PRODUCTION PER FARM, BY TYPE OF FARMING AREAS, MISSOURI, 1939

Area Number	Number of Farms	Value of Production	Production Per Farm
I	46,342	\$ 69,869,000	\$1,508
II	40,378	43,632,000	1,081
III	15,998	20,361,000	1,273
IV	18,344	16,630,000	907
V	39,663	23,405,000	590
VI	27,077	28,818,000	1,064
VII	14,992	9,798,000	654
VIII	26,069	17,261,000	662
IX	8,893	8,899,000	1,001
X	12,122	23,163,000	1,911
State	249,878	261,836,000	1,048

\*See Figure 1 for location and description of areas

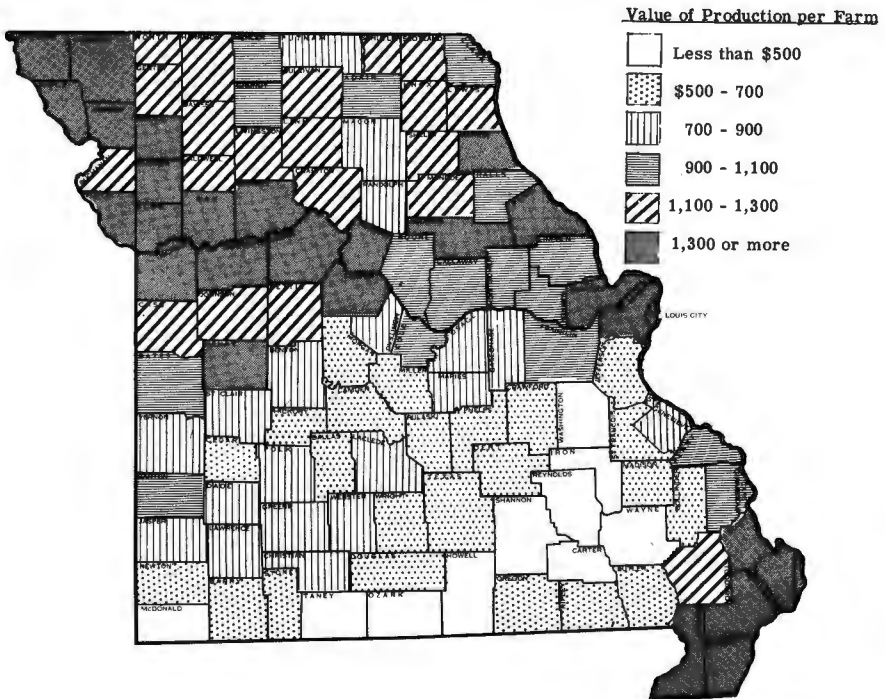


Fig. 2.—Average value of production per farm, by counties, Missouri, 1939.

Counties, in Southeast Missouri, had values of production per farm in excess of \$2,000. The value of production per farm by areas and counties is given in Appendix Table A and shown graphically in Figure 2.

### Distribution of Farms According to Value of Production

The average productivity of a county does not disclose information as to the number of farms on which productivity is low. The 1939 census, however, provides a classification of farms according to value of production which may be used to determine the number and percentages of farms in the counties and areas producing at various levels of production.

For 1939, the value of production was less than \$250 on each of more than one-third of the farms in Area V, (Table 2). The percentage of farms producing this relatively low value of production was also large in Areas VII and VIII. On the other hand, only 3 per cent of the farms produced less than \$250 of farm products in Area X and only 11 per cent in Area I.

Using less than \$400 farm products as an indicator of low production, farm production was low on about one-half of the farms in Areas V and VII. The percentage of farms in each county with less than \$400 of production in 1939 is presented in Figure 3. The percentages varied from 6.0 per cent in Pemiscot County to 76.7

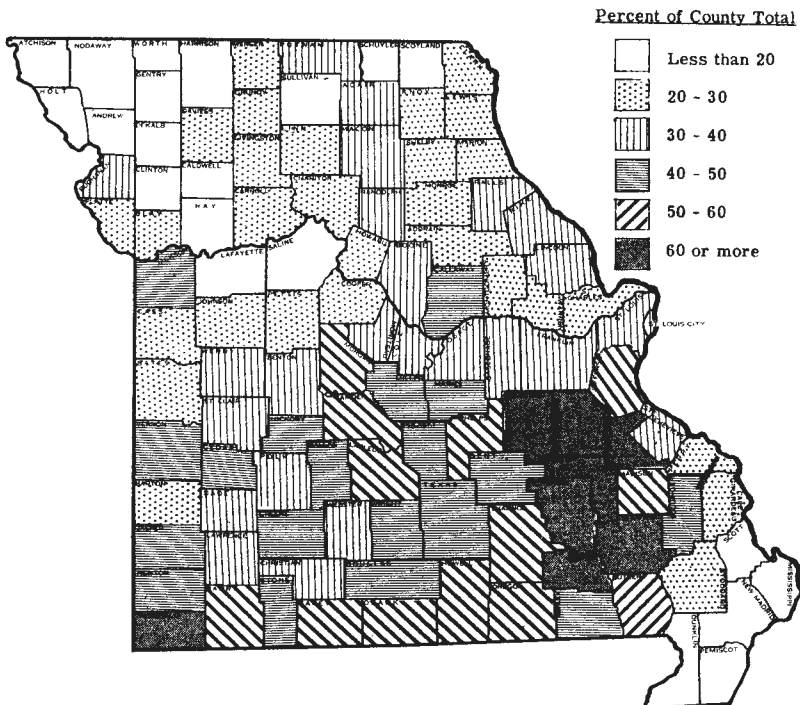


Fig. 3.—Percentage of farms producing less than \$400 of farm products, by counties, Missouri, 1939.

TABLE 2.-PERCENTAGE DISTRIBUTION OF FARMS ACCORDING TO VALUE OF PRODUCTION PER FARM, BY TYPES OF FARM AREAS, MISSOURI, 1939

Area	Percentage of farms having specified value of production						All
	Less than \$250	\$250-400	\$400-600	\$600-1000	\$1000-1500	\$1500- or more	
I	10.6	8.7	12.0	21.6	18.1	29.0	100.0
II	17.3	12.1	15.3	22.5	14.7	18.1	100.0
III	24.7	12.6	11.8	15.9	12.5	22.5	100.0
IV	20.3	12.9	15.3	22.4	14.6	14.5	100.0
V	34.2	19.0	17.1	16.7	6.9	6.2	100.0
VI	18.6	12.2	15.3	21.5	14.4	18.0	100.0
VII	32.1	16.8	16.0	17.8	9.2	8.1	100.0
VIII	27.4	16.8	17.9	20.7	9.7	7.5	100.0
IX	18.5	14.2	15.6	20.8	13.5	17.4	100.0
X	3.4	5.5	9.5	21.4	21.4	38.8	100.0
State	20.9	13.2	14.8	20.3	13.3	17.5	100.0

per cent in Carter County. Figure 4 shows the percentage of farms in each county on which value of production was \$1,000 or more in 1939. These percentages varied from 3.8 per cent in Carter County to 77.9 per cent in Atchison County. The complete data on

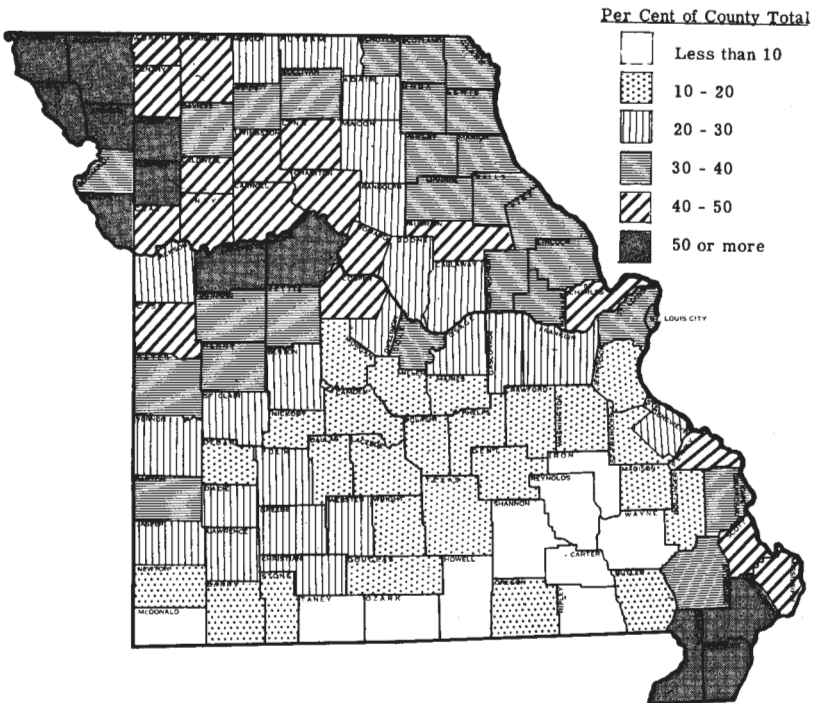


Fig. 4.—Percentage of farms producing \$1,000 or more of farm products, by counties, Missouri, 1939.

distribution of farms according to value of production are given in Appendix Tables B and C.

The farms having a low value of production contribute relatively little to the volume of goods moving into urban food channels. Only 37 per cent of the production on farms having less than \$250 of production went into sales channels, compared with 92 per cent on farms with values of production of \$1,500 or more, (Table 3). The small farms actually contribute less to total family living because the value of products used averaged only \$87 on the farms with less than \$250 of production compared with \$273 on the farms where value of production was \$1,500 or more per farm.

TABLE 3.-PERCENTAGE OF VALUE OF PRODUCTION SOLD OFF THE FARM, ACCORDING TO VALUE OF PRODUCTION PER FARM, MISSOURI, 1939.

Value of Production	Number of Farms	Value Per Farm			Sales as Per Cent of Production
		Used on Farm	Amount Sold	Total Production	
Less than \$250	52,212	\$ 87	\$ 50	\$ 137	37
250-400	32,971	151	171	322	53
400-600	36,945	183	311	494	63
600-1000	50,720	216	565	781	72
1000-1500	33,331	242	977	1,219	80
1500 or more	43,699	273	3,059	3,332	92
ALL	249,878	189	859	1,048	82

As a result of this situation, sales from farms in Area V, where production per farm is relatively small, averaged only 69.3 per cent of total production compared with 91.5 per cent in Area X, where farm production per farm is relatively high, (Table 4). The value of products used on the farm varied from \$143 per farm in Area VII to \$234 in Area I.

TABLE 4.-PROPORTION OF FARM PRODUCTION SOLD OFF FARMS, BY TYPE OF FARMING AREAS MISSOURI, 1939

Area	Value Per Farm			Sales as Per Cent of Production
	Used on Farm	Amount Sold	Total Production	
I	\$234	\$1,274	\$1,508	84.5
II	191	890	1,081	82.3
III	181	1,092	1,273	85.8
IV	213	694	907	76.5
V	181	409	590	69.3
VI	170	894	1,064	84.0
VII	143	511	654	78.1
VIII	168	494	662	74.6
IX	171	830	1,001	82.9
X	162	1,749	1,911	91.5
State	189	859	1,048	82.0

### Production Per Worker Employed

The Census did not provide information which can be used directly as the average number of workers employed on farms in each county. Such a figure may be estimated, however, by using data available from the Census\*. Using these estimates the average number of workers (or man-years of labor) varied from 207 per 100 farms in Area VII to 310 in Area X, (Table 5). Except for Area X the variation between areas was not great.

TABLE 5.-NUMBER OF WORKERS AND VALUE OF FARM PRODUCTION PER WORKER BY TYPES OF FARMING AREAS, MISSOURI, 1939

Area	Average Number of Workers	Value of Production (Thousands)	Workers Per Farm	Production Per Worker
I	108,364	\$ 69,869	2.34	\$645
II	89,347	43,632	2.21	488
III	38,132	20,361	2.38	534
IV	43,566	16,630	2.37	382
V	83,209	23,405	2.10	281
VI	61,424	28,818	2.27	469
VII	30,988	9,798	2.07	316
VIII	55,072	17,261	2.11	313
IX	20,536	8,899	2.31	433
X	37,538	23,163	3.10	617
State	568,176	261,836	2.27	461

Based on these data, production per worker was highest on farms in Areas I and X and lowest on Farms in Area V. Production was also relatively low in Areas VII and VIII. Production per worker in Area I was more than twice that in Area V.

By counties, production per worker varied from \$145 in Carter County to \$1,283 in Atchison County. Four counties in North-western Missouri produced more than \$800 of farm products per worker. Information for each county appears in Appendix Table A and is shown graphically in Figure 5.

\*In this study, the average number of workers (Man-years of labor) was obtained by adding the following:

1. The number of farm operators, Sept. 24-30, 1939.
2. The number of persons classified as family laborers, Sept. 24-30, 1939.
3. The number of persons classified as laborers hired by the month, Sept. 24-30, 1939.
4. The estimated average number of man-years of labor performed by persons hired other than by the month based on the wages paid in 1939 to workers of this type.

From the above total, the number of man-years of work off farms by farm operators based on the days worked off farms as reported, was deducted.

All basic data are from the 1940 Census of Agriculture.

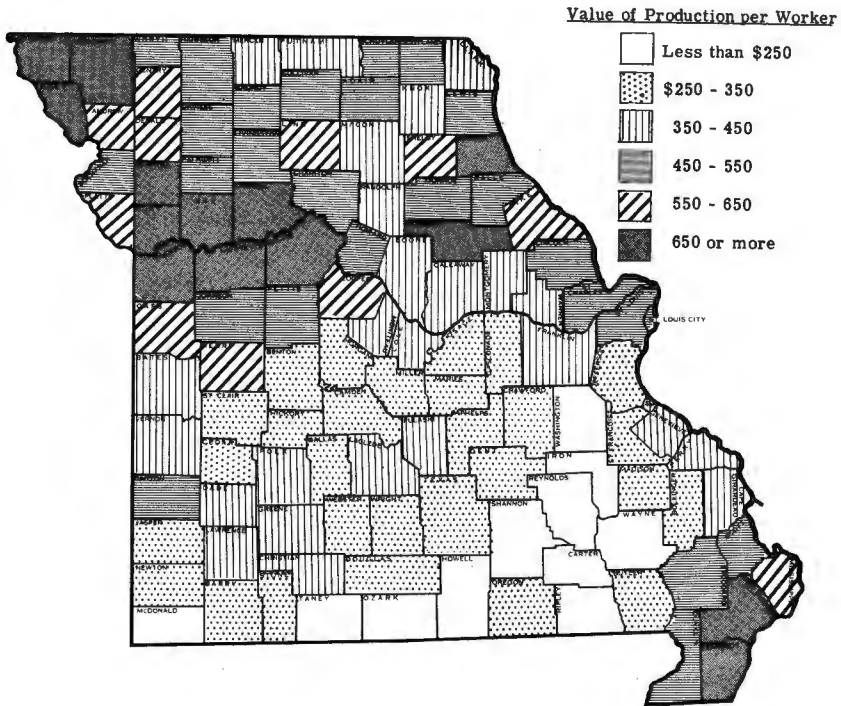


Fig. 5.—Value of farm production per worker on farms, by counties, Missouri, 1939.

### Production Per \$1000 of Capital

It might be thought that production per worker is low in certain areas of the state because more labor and less capital are used in the production of farm products. If this were true, production per \$1000 of capital would be highest in the areas where production per worker is lower. This is not the case, however, for production per unit of capital was highest in Area X where production per worker was high, (Table 6).

Value of production per \$1000 of capital in Southeastern Missouri is high because it takes relatively little farm machinery and equipment for cotton, the most important crop. In Area III and IV, production is low in relation to capital invested, because the land in this area has high "site" value due to its location near metropolitan centers, and because production of truck crops, prominent in these areas, requires relatively large investments in machinery and equipment.

By counties, value of production per \$1000 of capital varied from \$107 in St. Louis County to \$404 in New Madrid County, (Appendix Table D).



TABLE 6.-VALUE OF FARM PRODUCTION PER \$1000 OF CAPITAL INVESTED, BY TYPES OF FARMING AREAS, MISSOURI, 1939

Area	Value of Capital		Production per \$1000 of Capital	
	Machinery and Equipment	All Capital	Machinery and Equipment	All Capital
(Thousands of Dollars)				
I	23,584	332,080	\$2,963	\$210
II	15,255	188,442	2,860	232
III	7,470	145,526	2,726	140
IV	7,292	87,286	2,281	191
V	6,946	96,182	3,370	243
VI	10,211	128,375	2,822	224
VII	3,610	48,481	2,714	202
VIII	4,905	70,338	3,519	245
IX	2,501	31,125	3,558	286
X	5,276	66,522	4,390	348
State	87,050	1,194,357	3,008	219

**Total Number of Workers Used on Farms**

For some purposes the maximum numbers of workers used on farms, which reflect seasonal needs for labor on farms, is of more value than the average number. The nearest approach to the maximum number of workers used is the number employed on farms during the last week of September, 1939, as reported by the Census. This was a busy season of the year but not the season of maximum needs in any area except possibly Area X. Except for Area X, the number of workers employed in September, 1939, was not much different from the average number for the year 1939, (Table 7). Data by counties appear in Appendix Table E.

TABLE 7.-NUMBER OF FARM WORKERS PER AREA AND PER FARM, SEPT. 24-30, 1939 AND ESTIMATED CHANGE IN CIVILIAN POPULATION BY AREAS FROM APRIL 1, 1940 TO NOVEMBER 1, 1943.

Area	Numbers of Workers		Estimated Civilian Population		
	Total	Per Farm	Nov. 1, 1943	Apr. 1, 1940	Percentage Change
I	113,427	2.45	308,300	367,307	-16.1
II	95,543	2.37	281,339	328,803	-14.4
III	41,754	2.61	1,756,564	1,732,622	1.4
IV	46,750	2.55	188,804	213,066	-11.4
V	90,760	2.29	230,914	281,671	-18.0
VI	65,141	2.41	176,446	210,231	-16.1
VII	34,144	2.28	155,685	171,676	-9.3
VIII	60,443	2.32	196,161	225,878	-13.2
IX	23,002	2.59	86,547	97,662	-11.4
X	65,956	5.44	144,030	154,750	-6.9
Total	636,920	2.55	3,524,790	3,783,666	-6.8

### Changes in Population from 1940 to 1943

The major shifts in population during the past several years also have considerable influence on the availability of labor. Although the average loss of civilian population for the entire state from April 1, 1940 to November 1, 1943, was less than 7 per cent, losses in Areas I, V and VI were in excess of 15 per cent, (Table 7). By counties, population changes varied from an increase of 20.5 per cent for Phelps county to a decline of 32.9 per cent for Shannon County.

War activities affected the shifts in some counties. Pulaski, Laclede, and Texas counties, in addition to Phelps, were affected by Fort Leonard Wood. Also, shifts in Newton and Jasper counties were lessened by Camp Crowder. The metropolitan counties of St. Louis, St. Charles, Clay and Jackson, as well as the city of St. Louis, showed increases in population.

Changes in population are presented by counties in Figure 6 and Appendix Table E.

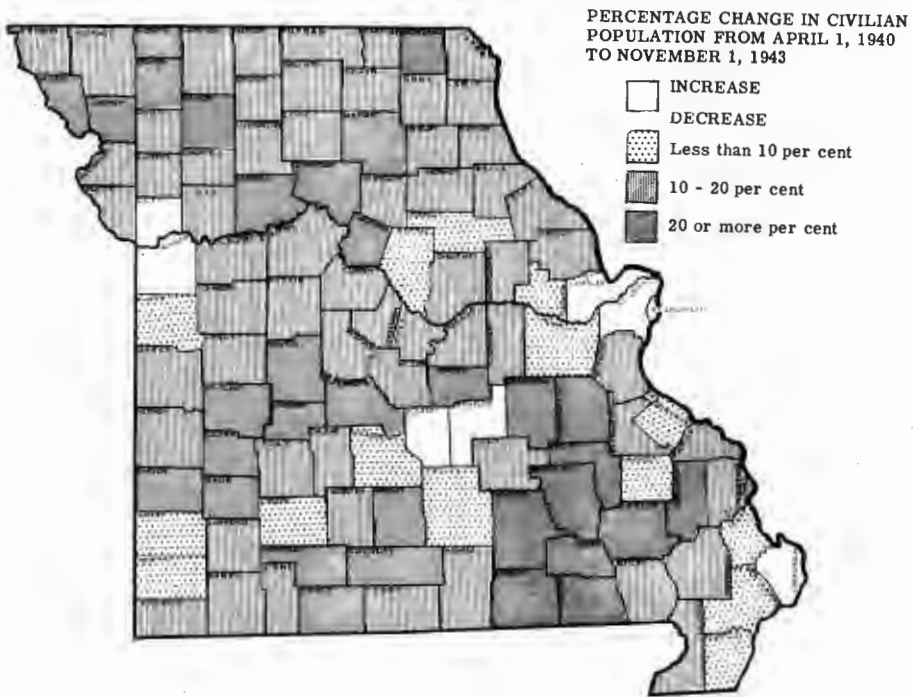


Fig. 6.—Percentage changes in civilian population from April 1, 1940, to November 1, 1943, Missouri.

Appendix Table ANUMBER OF FARMS AND FARM WORKERS AND VALUE OF FARM PRODUCTION,  
MISSOURI, 1939

Area and County	Number of Farms	Average Number of Workers	Value of Production	Workers Per Farm	Production Per Farm	Production Per Worker
<b>AREA I</b>			(Thousands)			
Andrew	2,201	4,881	\$ 3,037	2.22	\$ 1,380	\$ 622
Atchison	1,492	3,884	4,982	2.60	3,339	1,283
Caldwell	1,781	3,906	2,089	2.19	1,173	535
Carroll	2,656	5,953	3,911	2.24	1,472	657
Chariton	2,719	6,700	3,347	2.46	1,231	500
Clay	1,913	4,187	4,088	2.19	2,137	976
Clinton	1,515	3,689	3,085	2.43	2,036	836
Daviess	2,331	5,323	2,633	2.28	1,130	495
DeKalb	1,757	4,052	2,402	2.31	1,367	593
Gentry	2,002	4,175	2,579	2.09	1,288	618
Grundy	1,776	3,757	1,815	2.12	1,022	483
Harrison	2,774	6,767	3,083	2.44	1,111	456
Holt	1,584	3,882	3,243	2.45	2,047	835
Howard	1,572	3,957	2,174	2.52	1,383	549
Lafayette	2,743	6,597	4,518	2.41	1,647	685
Linn	2,251	4,949	2,891	2.20	1,284	584
Livingston	2,072	4,871	2,446	2.35	1,181	502
Mercer	1,719	3,780	1,547	2.20	900	409
Nodaway	3,365	8,362	5,713	2.48	1,698	683
Ray	2,439	5,655	3,840	2.32	1,574	679
Saline	2,608	6,529	5,130	2.50	1,967	786
Worth	<u>1,072</u>	<u>2,508</u>	<u>1,316</u>	<u>2.34</u>	<u>1,228</u>	<u>525</u>
Total	46,342	108,364	69,869	2.34	1,508	645
<b>AREA II</b>						
Adair	2,152	4,288	1,953	1.99	907	455
Audrain	2,069	4,385	2,962	2.12	1,432	675
Boone	2,754	5,849	2,628	2.12	954	449
Callaway	2,702	5,973	2,576	2.21	953	431
Clark	1,605	3,787	1,662	2.36	1,036	439
Knox	1,611	4,144	1,802	2.57	1,118	435
Lewis	1,644	3,561	1,953	2.17	1,118	548
Lincoln	2,233	5,370	2,426	2.40	1,087	452
Macon	3,319	7,336	2,958	2.21	891	403
Marion	1,595	3,516	2,472	2.20	1,550	703
Monroe	2,295	5,332	2,696	2.32	1,175	506
Montgomery	1,896	4,090	1,817	2.16	958	444
Pike	2,100	5,103	2,894	2.43	1,378	567
Putnam	1,964	3,954	1,576	2.01	803	399
Ralls	1,582	3,542	1,634	2.24	1,033	461
Randolph	1,987	4,134	1,707	2.08	859	413
Schuyler	1,150	2,588	1,321	2.25	1,149	510
Scotland	1,560	3,329	1,757	2.13	1,126	528
Shelby	1,797	4,023	2,226	2.24	1,239	553
Sullivan	<u>2,363</u>	<u>5,043</u>	<u>2,612</u>	<u>2.13</u>	<u>1,105</u>	<u>518</u>
Total	40,378	89,347	43,632	2.21	1,081	488

Appendix Table ANUMBER OF FARMS AND FARM WORKERS AND VALUE OF FARM PRODUCTION,  
MISSOURI, 1939

Area and County	Number of Farms	Average Number of Workers	Value of Production (Thousands)	Workers Per Farm	Production Per Farm	Production Per Worker
<b>AREA III</b>						
Buchanan	2,400	5,299	\$ 2,806	2.21	\$ 1,169	\$ 530
Jackson	3,641	8,534	5,575	2.34	1,531	653
Jefferson	2,530	5,246	1,624	2.07	642	310
Platte	2,022	4,799	3,093	2.37	1,530	645
St. Charles	2,143	5,589	2,903	2.61	1,354	519
St. Louis	<u>3,262</u>	<u>8,665</u>	<u>4,360</u>	<u>2.66</u>	<u>1,337</u>	<u>503</u>
Total	15,998	38,132	20,361	2.38	1,273	534
<b>AREA IV</b>						
Cape Girardeau	2,620	6,538	2,563	2.50	978	392
Cole	1,678	4,050	1,811	2.41	1,079	447
Franklin	3,307	7,481	3,205	2.26	969	428
Gasconade	1,548	3,694	1,151	2.39	744	312
Moniteau	1,665	3,947	1,472	2.37	884	373
Osage	1,827	4,071	1,334	2.23	730	328
Perry	1,818	4,942	1,923	2.72	1,058	389
St. Francois	1,414	2,983	841	2.11	595	282
Ste. Genevieve	1,275	2,980	1,098	2.34	861	368
Warren	<u>1,192</u>	<u>2,880</u>	<u>1,232</u>	<u>2.42</u>	<u>1,034</u>	<u>428</u>
Total	18,344	43,566	16,630	2.37	907	382
<b>AREA V</b>						
Benton	2,047	4,786	1,635	2.34	799	342
Bollinger	2,148	4,774	1,283	2.23	597	269
Camden	1,264	61	797	2.11	631	300
Carter	617	1,300	188	2.11	305	145
Crawford	1,821	2,972	961	1.63	528	323
Dent	1,731	3,532	1,174	2.04	678	332
Hickory	1,320	2,717	911	2.06	691	335
Iron	1,183	2,465	528	2.08	446	214
Laclede	2,659	5,348	1,907	2.01	717	357
Madison	925	1,975	550	2.14	595	278
Maries	1,540	3,581	1,126	2.33	731	314
Miller	2,114	4,452	1,468	2.11	694	330
Morgan	1,805	3,717	1,127	2.06	625	303
Oregon	1,956	3,869	1,121	1.98	573	290
Ozark	2,085	4,434	947	2.13	454	214
Phelps	1,898	3,930	1,190	2.07	627	303
Pulaski	1,517	2,687	1,046	1.77	690	389
Reynolds	1,248	2,394	484	1.92	388	202
Ripley	1,910	3,922	958	2.05	501	244
Shannon	1,639	3,481	796	2.12	486	229
Stone	1,834	3,863	1,106	2.11	603	286
Taney	1,448	3,446	721	2.38	498	209
Washington	1,402	3,650	676	2.60	482	185
Wayne	<u>1,552</u>	<u>3,253</u>	<u>705</u>	<u>2.10</u>	<u>454</u>	<u>217</u>
Total	39,663	83,209	23,405	2.10	590	281

Appendix Table ANUMBER OF FARMS AND FARM WORKERS AND VALUE OF FARM PRODUCTION,  
MISSOURI, 1939

Area and County	Number of Farms	Average Number of Workers	Value of Production (Thousands)	Workers Per Farm	Production Per Farm	Production Per Worker
<b>AREA VI</b>						
Barton	1,917	4,064	\$ 2,021	2.12	\$ 1,054	\$ 497
Bates	2,940	7,046	3,026	2.40	1,029	429
Cass	2,736	6,226	3,536	2.28	1,292	568
Cedar	1,933	4,287	1,302	2.22	674	304
Cooper	2,024	4,729	2,717	2.34	1,343	575
Dade	2,032	4,010	1,761	1.97	867	439
Henry	2,683	6,117	3,606	2.28	1,344	590
Johnson	2,970	7,088	3,454	2.39	1,163	487
Pettis	2,496	5,781	3,104	2.32	1,244	537
St. Clair	2,255	5,134	1,787	2.28	793	348
Vernon	<u>3,091</u>	<u>6,942</u>	<u>2,504</u>	<u>2.25</u>	<u>810</u>	<u>361</u>
Total	27,077	61,424	28,818	2.27	1,064	469
<b>AREA VII</b>						
Barry	3,242	6,642	1,927	2.05	595	290
Jasper	2,963	6,791	2,225	2.29	751	328
Lawrence	3,011	5,637	2,264	1.87	752	402
McDonald	2,385	4,744	1,076	1.99	451	227
Newton	<u>3,391</u>	<u>7,174</u>	<u>2,306</u>	<u>2.12</u>	<u>680</u>	<u>321</u>
Total	14,992	30,998	9,798	2.07	654	316
<b>AREA VIII</b>						
Christian	2,392	4,524	1,786	1.89	747	395
Dallas	1,851	3,920	1,159	2.12	626	296
Douglas	2,749	5,282	1,460	1.92	531	276
Greene	4,144	8,376	3,468	2.02	837	414
Howell	3,130	6,564	1,497	2.10	478	228
Polk	3,011	6,818	2,392	2.26	794	351
Texas	3,265	7,263	1,876	2.22	575	258
Webster	2,693	6,293	2,052	2.34	762	326
Wright	<u>2,834</u>	<u>6,032</u>	<u>1,571</u>	<u>2.13</u>	<u>555</u>	<u>260</u>
Total	26,069	55,072	17,261	2.11	662	313
<b>AREA IX</b>						
Butler	3,195	6,886	1,863	2.16	583	271
Scott	1,810	4,711	2,546	2.60	1,406	540
Stoddard	<u>3,888</u>	<u>8,939</u>	<u>4,490</u>	<u>2.30</u>	<u>1,155</u>	<u>502</u>
Total	8,893	20,536	8,899	2.31	1,001	433
<b>AREA X</b>						
Dunklin	3,409	10,195	\$ 5,486	2.99	\$ 1,609	\$ 538
Mississippi	2,265	6,279	3,503	2.77	1,547	558
New Madrid	3,454	10,184	7,082	2.95	2,050	695
Pemiscot	<u>2,994</u>	<u>10,880</u>	<u>7,092</u>	<u>3.63</u>	<u>2,369</u>	<u>652</u>
Total	12,122	37,538	23,163	3.10	1,911	617
Grand Total	249,878	568,176	261,836	2.27	1,048	461

Source: U. S. Census of Agriculture, 1937. For method of estimating average number of workers, see footnote on page 7.

Appendix Table B

NUMBER OF FARMS HAVING SPECIFIED VALUE OF PRODUCTION, MISSOURI, 1939

Area and County	Less than \$250	\$250-400	\$400-600	\$600-1000	\$1000-1500	\$1500-or more
<b>AREA I</b>						
Andrew	188	176	251	484	469	633
Atchison	52	47	85	145	222	941
Caldwell	165	143	217	462	385	409
Carroll	339	244	291	491	450	841
Chariton	340	336	380	566	449	648
Clay	245	172	222	364	294	616
Clinton	176	107	160	309	255	508
Daviess	274	216	329	618	424	470
De Kalb	118	134	195	428	388	494
Gentry	199	152	251	547	408	445
Grundy	283	186	276	441	329	261
Harrison	283	242	373	730	577	569
Holt	63	88	146	275	291	721
Howard	270	163	189	287	243	420
Lafayette	291	209	238	475	478	1,052
Linn	269	245	300	518	374	545
Livingston	328	229	273	415	326	501
Mercer	250	214	285	457	288	225
Nodaway	234	177	322	672	714	1,246
Ray	188	276	388	560	397	630
Saline	278	204	243	463	418	1,000
Worth	<u>93</u>	<u>86</u>	<u>143</u>	<u>281</u>	<u>215</u>	<u>254</u>
Total	4,926	4,046	5,559	9,988	8,394	13,429
<b>AREA II</b>						
Adair	400	281	367	562	281	261
Audrain	259	216	289	439	339	527
Boone	587	434	499	522	307	405
Callaway	705	409	420	512	279	377
Clark	223	144	259	396	291	292
Knox	208	173	241	423	275	291
Lewis	198	175	244	403	244	380
Lincoln	407	279	314	474	315	444
Macon	755	421	523	758	449	413
Marion	260	172	203	322	218	420
Monroe	288	264	358	496	381	508
Montgomery	272	264	317	440	286	317
Pike	442	272	281	365	237	503
Putnam	445	241	296	486	265	231
Ralls	294	217	235	295	242	299
Randolph	459	287	364	402	210	265
Schuyler	115	105	141	334	244	211
Scotland	180	131	240	403	302	304
Shelby	254	181	255	409	297	401
Sullivan	<u>231</u>	<u>227</u>	<u>323</u>	<u>656</u>	<u>463</u>	<u>463</u>
Total	6,982	4,893	6,169	9,097	5,925	7,312

## Appendix Table B

## NUMBER OF FARMS HAVING SPECIFIED VALUE OF PRODUCTION, MISSOURI, 1939

Area and County	Less than \$250	\$250-400	\$400-600	\$600-1000	\$1000-1500	\$1500- or more
<b>AREA III</b>						
Buchanan	525	327	304	407	326	511
Jackson	1,183	491	400	504	340	723
Jefferson	1,008	383	332	320	208	279
Platte	239	199	205	351	345	683
St. Charles	319	193	230	364	355	682
St. Louis	<u>677</u>	<u>416</u>	<u>419</u>	<u>601</u>	<u>428</u>	<u>721</u>
Total	3,951	2,009	1,890	2,547	2,002	3,599
<b>AREA IV</b>						
Cape Girardeau	436	303	425	611	404	441
Cole	302	204	255	400	248	269
Franklin	676	427	505	723	477	499
Gasconade	291	220	264	437	202	134
Moniteau	261	262	281	404	254	203
Osage	387	281	325	422	233	179
Perry	233	209	244	393	357	382
St. Francois	678	187	173	163	98	115
Ste. Genevieve	283	149	173	296	196	178
Warren	<u>180</u>	<u>122</u>	<u>168</u>	<u>263</u>	<u>211</u>	<u>248</u>
Total	3,727	2,364	2,813	4,112	2,680	2,648
<b>AREA V</b>						
Benton	502	301	361	441	224	218
Bollinger	559	419	434	448	158	130
Camden	480	224	186	193	80	101
Carter	367	106	72	48	16	8
Crawford	899	302	231	191	96	102
Dent	476	377	299	328	135	116
Hickory	298	230	262	302	128	100
Iron	460	312	200	127	43	41
Laclede	907	427	426	451	212	236
Madison	316	193	141	148	74	53
Maries	399	258	268	326	147	142
Miller	567	327	352	453	227	188
Morgan	588	334	298	316	147	122
Oregon	697	416	355	273	101	114
Ozark	712	461	423	353	88	48
Phelps	640	373	345	314	107	119
Pulaski	442	293	255	249	122	156
Reynolds	617	259	190	104	38	40
Ripley	572	374	395	391	126	52
Shannon	600	322	321	263	88	45
Stone	549	338	339	348	148	112
Taney	551	306	235	213	86	57
Washington	668	217	179	187	80	71
Wayne	<u>689</u>	<u>363</u>	<u>217</u>	<u>153</u>	<u>49</u>	<u>81</u>
Total	13,555	7,532	6,784	6,620	2,720	2,452

Appendix Table B

## NUMBER OF FARMS HAVING SPECIFIED VALUE OF PRODUCTION, MISSOURI, 1939

Area and County	Less than \$250	\$250-400	\$400-600	\$600-1000	\$1000-1500	\$1500-or more
<b>AREA VI</b>						
Barton	336	225	284	427	266	379
Bates	506	358	414	667	417	578
Cass	307	275	379	600	490	685
Cedar	460	313	379	406	216	159
Cooper	286	183	285	411	335	524
Dade	479	259	301	416	284	293
Henry	528	326	428	532	406	463
Johnson	451	302	387	675	482	673
Pettis	418	280	362	558	373	505
St. Clair	507	311	400	515	271	251
Vernon	<u>769</u>	<u>466</u>	<u>522</u>	<u>620</u>	<u>359</u>	<u>355</u>
Total	5,047	3,298	4,141	5,827	3,899	4,865
<b>AREA VII</b>						
Barry	1,018	609	594	588	237	196
Jasper	991	412	365	510	351	334
Lawrence	698	474	520	643	360	316
McDonald	1,025	456	350	334	138	82
Newton	<u>1,084</u>	<u>572</u>	<u>569</u>	<u>594</u>	<u>293</u>	<u>279</u>
Total	4,816	2,523	2,398	2,669	1,379	1,207
<b>AREA VIII</b>						
Christian	518	360	392	594	309	219
Dallas	533	305	344	353	188	128
Douglas	769	568	589	525	190	108
Greene	1,242	570	584	798	435	515
Howell	1,136	646	570	509	163	106
Polk	523	432	592	755	407	302
Texas	1,039	566	556	629	281	194
Webster	543	389	524	659	352	226
Wright	<u>852</u>	<u>539</u>	<u>504</u>	<u>585</u>	<u>216</u>	<u>138</u>
Total	7,155	4,375	4,655	5,407	2,541	1,936
<b>AREA IX</b>						
Butler	982	646	561	557	252	197
Scott	167	153	209	402	345	534
Stoddard	<u>492</u>	<u>467</u>	<u>614</u>	<u>895</u>	<u>607</u>	<u>813</u>
Total	1,641	1,266	1,384	1,854	1,204	1,544
<b>AREA X</b>						
Dunklin	113	189	355	798	787	1,167
Mississippi	131	208	307	607	412	600
New Madrid	104	152	322	729	692	1,455
Pemiscot	<u>64</u>	<u>116</u>	<u>168</u>	<u>465</u>	<u>696</u>	<u>1,485</u>
Total	412	665	1,152	2,599	2,587	4,707
Grand Total	52,212	32,971	36,945	50,720	33,331	43,699

Source: U. S. Census of Agriculture, 1939.



Appendix Table C

NUMBER OF FARMS HAVING SPECIFIED VALUE OF PRODUCTION AS PER CENT OF TOTAL  
NUMBER OF FARMS, MISSOURI, 1939

Area and County	Less than \$250	\$250- 400	\$400- 600	\$600- 1000	\$1000- 1500	\$1500 or more
<b>AREA I</b>						
Andrew	8.5	8.0	11.4	22.0	21.3	28.8
Atchison	3.5	3.2	5.7	9.7	14.9	63.0
Caldwell	9.3	8.0	12.2	25.9	21.6	23.0
Carroll	12.8	9.2	11.0	18.5	16.9	31.6
Chariton	12.5	12.4	14.0	20.8	16.5	23.8
Clay	12.8	9.0	11.6	19.0	15.4	32.2
Clinton	11.6	7.1	10.6	20.4	16.8	33.5
Daviess	11.8	9.3	14.1	26.5	18.2	20.1
De Kalb	6.7	7.6	11.1	24.4	22.1	28.1
Gentry	9.9	7.6	12.5	27.3	20.4	22.3
Grundy	15.9	10.5	15.5	24.8	18.5	14.8
Harrison	10.2	8.7	13.5	26.3	20.8	20.5
Holt	4.0	5.6	9.2	17.4	18.4	45.4
Howard	17.2	10.4	12.0	18.3	15.5	26.6
Lafayette	10.6	7.6	8.7	17.3	17.4	38.4
Linn	12.0	10.9	13.3	23.0	16.6	24.2
Livingston	15.8	11.1	13.2	20.0	15.7	24.2
Mercer	14.5	12.5	16.6	26.6	16.8	13.0
Nodaway	7.0	5.3	9.6	20.0	21.1	37.0
Ray	7.7	11.3	15.9	23.0	16.3	25.8
Saline	10.7	7.8	9.4	17.8	16.0	38.3
Worth	<u>8.7</u>	<u>8.0</u>	<u>13.3</u>	<u>26.2</u>	<u>20.1</u>	<u>23.7</u>
Total	10.6	8.7	12.0	21.6	18.1	29.0
<b>AREA II</b>						
Adair	18.6	13.1	17.1	26.1	13.1	12.0
Audrain	12.5	10.4	14.0	21.2	16.4	25.5
Boone	21.3	15.8	18.1	19.0	11.1	14.7
Callaway	26.1	15.1	15.6	19.0	10.2	14.0
Clark	13.9	9.0	16.1	24.7	18.1	18.2
Knox	12.9	10.7	15.0	26.3	17.1	18.0
Lewis	12.0	10.6	14.8	24.5	14.9	23.2
Lincoln	18.2	12.5	14.1	21.2	14.1	19.9
Macon	22.8	12.7	15.8	22.8	13.5	12.4
Marion	16.3	10.8	12.7	20.2	13.7	26.3
Monroe	12.6	11.5	15.6	21.6	16.6	22.1
Montgomery	14.4	13.9	16.7	23.2	15.1	16.7
Pike	21.1	13.0	13.4	17.4	11.2	23.9
Putnam	22.7	12.3	15.1	24.7	13.5	11.7
Ralls	18.6	13.7	14.9	18.7	15.3	18.8
Randolph	23.1	14.4	18.3	20.2	10.6	13.4
Schuyler	10.0	9.1	12.3	29.0	21.2	18.4
Scotland	11.5	8.4	15.4	25.8	19.4	19.5
Shelby	14.1	10.1	14.2	22.8	16.5	22.3
Sullivan	<u>9.8</u>	<u>9.6</u>	<u>13.7</u>	<u>27.8</u>	<u>19.6</u>	<u>19.5</u>
Total	17.3	12.1	15.3	22.5	14.7	18.1

Appendix Table C

NUMBER OF FARMS HAVING SPECIFIED VALUE OF PRODUCTION AS PER CENT OF TOTAL  
NUMBER OF FARMS, MISSOURI, 1939

Area and County	Less than \$250	\$250-400	\$400-600	\$600-1000	\$1000-1500	\$1500 or more
<b>AREA III</b>						
Buchanan	21.9	13.6	12.7	17.0	13.6	21.2
Jackson	32.5	13.5	11.0	13.8	9.3	19.9
Jefferson	39.8	15.1	13.1	12.7	8.2	11.1
Platte	11.8	9.8	10.1	17.4	17.1	33.8
St. Charles	14.9	9.0	10.7	17.0	16.6	31.8
St. Louis	<u>20.8</u>	<u>12.8</u>	<u>12.8</u>	<u>18.4</u>	<u>13.1</u>	<u>22.1</u>
Total	24.7	12.6	11.8	15.9	12.5	22.5
<b>AREA IV</b>						
Cape Girardeau	16.6	11.6	16.2	23.3	15.4	16.9
Cole	18.0	12.2	15.2	23.8	14.8	16.0
Franklin	20.4	12.9	15.3	21.9	14.4	15.1
Gasconade	18.8	14.2	17.1	28.2	13.0	8.7
Moniteau	15.7	15.7	16.9	24.3	15.3	12.1
Osage	21.2	15.4	17.8	23.1	12.8	9.7
Perry	12.8	11.5	13.4	21.6	19.6	21.1
St. Francois	48.0	13.2	12.2	11.5	6.9	8.2
Ste. Genevieve	22.2	11.7	13.6	23.2	15.4	13.9
Warren	<u>15.1</u>	<u>10.2</u>	<u>14.1</u>	<u>22.1</u>	<u>17.7</u>	<u>20.8</u>
Total	20.3	12.9	15.3	22.4	14.6	14.5
<b>AREA V</b>						
Benton	24.5	14.7	17.6	21.5	11.0	10.7
Bollinger	26.0	19.5	20.2	20.9	7.4	6.0
Camden	38.0	17.7	14.7	15.3	6.3	8.0
Carter	59.5	17.2	11.7	7.8	2.6	1.2
Crawford	49.4	16.6	12.7	10.5	5.3	5.5
Dent	27.5	21.8	17.3	19.0	7.8	6.6
Hickory	22.6	17.4	19.9	22.9	9.7	7.5
Iron	38.9	26.4	16.9	10.7	3.6	3.5
Laclede	34.1	16.1	16.0	17.0	8.0	8.8
Madison	34.2	20.9	15.2	16.0	8.0	5.7
Maries	25.9	16.8	17.4	21.2	9.5	9.2
Miller	26.8	15.5	16.7	21.4	10.7	8.9
Morgan	32.6	18.5	16.5	17.5	8.1	6.8
Oregon	35.6	21.3	18.2	14.0	5.2	5.7
Ozark	34.2	22.1	20.3	16.9	4.2	2.3
Phelps	33.7	19.7	18.2	16.5	5.6	6.3
Pulaski	29.1	19.3	16.8	16.4	8.0	10.4
Reynolds	49.4	20.8	15.2	8.3	3.0	3.3
Ripley	30.0	19.6	20.7	20.5	6.6	2.6
Shannon	36.6	19.7	19.6	16.0	5.4	2.7
Stone	29.9	18.4	18.5	19.0	8.1	6.1
Taney	38.1	21.1	16.2	14.7	5.9	4.0
Washington	47.7	15.5	12.8	13.3	5.7	5.0
Wayne	<u>44.4</u>	<u>23.4</u>	<u>14.0</u>	<u>9.9</u>	<u>3.2</u>	<u>5.1</u>
Total	34.2	19.0	17.1	16.7	6.9	6.2

## Appendix Table C

NUMBER OF FARMS HAVING SPECIFIED VALUE OF PRODUCTION AS PER CENT OF TOTAL  
NUMBER OF FARMS, MISSOURI, 1939

Area and County	Less than \$250	\$250- 400	\$400- 600	\$600- 1000	\$1000- 1500	\$1500 or more
<b>AREA VI</b>						
Barton	17.5	11.7	14.8	22.3	13.9	19.8
Bates	17.2	12.2	14.1	22.7	14.2	19.6
Cass	11.2	10.1	13.9	21.9	17.9	25.0
Cedar	23.8	16.2	19.6	21.0	11.2	8.2
Cooper	14.1	9.0	14.1	20.3	16.6	25.9
Dade	23.6	12.8	14.8	20.5	14.0	14.3
Henry	19.7	12.2	16.0	19.8	15.1	17.2
Johnson	15.2	10.2	13.0	22.7	16.2	22.7
Pettis	16.8	11.2	14.5	22.4	14.9	20.2
St. Clair	22.5	13.8	17.7	22.8	12.0	11.2
Vernon	<u>24.9</u>	<u>15.1</u>	<u>16.9</u>	<u>20.1</u>	<u>11.6</u>	<u>11.4</u>
Total	18.6	12.2	15.3	21.5	14.4	18.0
<b>AREA VII</b>						
Barry	31.4	18.8	18.3	18.1	7.3	6.1
Jasper	33.5	13.9	12.3	17.2	11.8	11.3
Lawrence	23.2	15.7	17.3	21.4	11.9	10.5
McDonald	43.0	19.1	14.7	14.0	5.8	3.4
Newton	<u>32.0</u>	<u>16.9</u>	<u>16.8</u>	<u>17.5</u>	<u>8.6</u>	<u>8.2</u>
Total	32.1	16.8	16.0	17.8	9.2	8.1
<b>AREA VIII</b>						
Christian	21.7	15.1	16.4	24.8	12.9	9.1
Dallas	28.8	16.5	18.6	19.1	10.1	6.9
Douglas	28.0	20.7	21.4	19.1	6.9	3.9
Greene	30.0	13.8	14.1	19.3	10.5	12.3
Howell	36.3	20.6	18.2	16.3	5.2	3.4
Polk	17.4	14.3	19.7	25.1	13.5	10.0
Texas	31.8	17.3	17.0	19.3	8.6	6.0
Webster	20.2	14.4	19.5	24.5	13.0	8.4
Wright	<u>30.1</u>	<u>19.0</u>	<u>17.8</u>	<u>20.6</u>	<u>7.6</u>	<u>4.9</u>
Total	27.4	16.8	17.9	20.7	9.7	7.5
<b>AREA IX</b>						
Butler	30.7	20.2	17.6	17.4	7.9	6.2
Scott	9.2	8.5	11.5	22.2	19.1	29.5
Stoddard	<u>12.7</u>	<u>12.0</u>	<u>15.8</u>	<u>23.0</u>	<u>15.6</u>	<u>20.9</u>
Total	18.5	14.2	15.6	20.8	13.5	17.4
<b>AREA X</b>						
Dunklin	3.3	5.5	10.4	23.4	23.1	34.3
Mississippi	5.8	9.2	13.6	26.8	18.2	26.4
New Madrid	3.0	4.4	9.3	21.1	20.0	42.2
Pemiscot	<u>2.1</u>	<u>3.9</u>	<u>5.6</u>	<u>15.5</u>	<u>23.3</u>	<u>49.6</u>
Total	3.4	5.5	9.5	21.4	21.4	38.8
Grand Total	20.9	13.2	14.8	20.3	13.3	17.5

Source: Calculated from Table 2.

Appendix Table D

## PRODUCTION PER \$1000 OF CAPITAL INVESTED, MISSOURI, 1939

Area And County	Machinery and Implements	Total Value of Capital	Production Per \$1000 of Capital	
			Machinery and Implements	Total Capital
<b>AREA I</b>				
(Thousands)				
Andrew	\$ 1,200	\$16,123	\$2,531	\$188
Atchison	1,719	24,356	2,898	205
Caldwell	764	9,633	2,734	217
Carroll	1,470	19,733	2,661	198
Chariton	1,389	16,128	2,409	208
Clay	960	17,785	4,258	230
Clinton	917	13,824	3,363	223
Daviess	939	12,025	2,805	219
DeKalb	844	11,729	2,846	205
Gentry	818	11,883	3,150	217
Grundy	594	8,623	3,053	211
Harrison	1,061	14,897	2,905	207
Holt	1,212	16,451	2,675	197
Howard	692	9,526	3,141	228
Lafayette	1,499	23,253	3,014	194
Linn	908	12,449	3,182	232
Livingston	763	10,845	3,204	226
Mercer	549	6,776	2,817	228
Nodaway	1,892	28,756	3,019	199
Ray	1,304	17,540	2,945	219
Saline	1,618	23,923	3,171	214
Worth	472	5,822	2,791	226
Total	23,584	332,080	2,963	210
<b>AREA II</b>				
Adair	593	8,777	3,290	223
Audrain	1,236	12,232	2,397	242
Boone	799	12,426	3,288	212
Callaway	926	11,610	2,781	222
Clark	785	8,117	2,118	205
Knox	664	7,936	2,713	227
Lewis	679	8,192	2,878	238
Lincoln	901	12,065	2,694	201
Macon	1,018	12,622	2,904	234
Marion	950	10,525	2,601	235
Monroe	820	10,246	3,285	263
Montgomery	754	8,268	2,409	220
Pike	915	11,634	3,162	249

Area And County	Machinery and Implements	Total Value of Capital	Production Per \$1000 of Capital	
			Machinery and Implements	Total Capital
<b>AREA V</b>				
(Thousands)				
Benton	\$ 618	\$ 7,579	\$2,648	\$216
Bollinger	346	4,228	3,708	304
Camden	205	2,993	3,880	266
Carter	67	1,038	2,804	182
Crawford	278	5,739	3,458	168
Dent	242	4,119	4,853	285
Hickory	364	3,866	2,501	236
Iron	108	2,330	4,906	227
Laclede	464	7,098	4,107	269
Madison	153	2,567	3,599	214
Maries	349	4,354	3,230	259
Miller	482	6,158	3,044	238
Morgan	543	5,776	2,076	195
Oregon	297	3,595	3,776	312
Ozark	191	2,937	4,957	322
Phelps	375	5,605	3,172	212
Pulaski	291	4,148	3,601	252
Reynolds	118	2,227	4,093	218
Ripley	302	3,109	3,170	308
Shannon	174	2,622	4,590	304
Stone	313	3,921	3,531	282
Taney	152	2,545	4,741	283
Washington	285	3,957	2,376	171
Wayne	229	3,671	3,078	192
Total	6,946	96,182	3,370	243
<b>AREA VI</b>				
Barton	831	9,065	2,432	223
Bates	1,200	14,392	2,522	210
Cass	1,285	18,590	2,751	190
Cedar	493	5,595	2,643	233
Cooper	937	11,717	2,900	232
Dade	510	6,681	3,453	264
Henry	1,052	11,989	3,429	301
Johnson	1,095	15,459	3,154	223
Pettis	1,115	14,195	2,783	219
St. Clair	673	8,004	2,654	223
Vernon	1,020	12,688	2,454	197
Total	10,211	128,375	2,822	224

Putnam	502	7,229	3,141	218
Ralls	715	7,582	2,285	216
Randolph	640	8,544	2,665	200
Schuyler	439	4,780	3,008	276
Scotland	571	7,207	3,077	244
Shelby	713	8,855	3,122	251
Sullivan	<u>635</u>	<u>9,595</u>	<u>4,111</u>	<u>272</u>
Total	15,255	188,442	2,860	232

**AREA III**

Buchanan	1,165	17,718	2,410	158
Jackson	1,481	35,135	3,766	159
Jefferson	783	14,798	2,075	110
Platte	1,271	18,639	2,433	166
St. Charles	1,283	18,353	2,263	158
St. Louis	<u>1,487</u>	<u>40,883</u>	<u>2,932</u>	<u>107</u>
Total	7,470	145,526	2,726	140

**AREA IV**

Cape Girardeau	1,076	12,346	2,382	208
Cole	651	9,009	2,784	201
Franklin	1,434	17,783	2,235	180
Gasconade	652	5,984	1,765	192
Moniteau	519	6,490	2,838	227
Osage	595	7,117	2,241	187
Perry	940	10,143	2,046	190
St. Francois	339	5,829	2,484	144
Ste. Genevieve	481	5,701	2,283	193
Warren	<u>605</u>	<u>6,904</u>	<u>2,035</u>	<u>179</u>
Total	7,292	87,286	2,281	191

**AREA VII**

Barry	604	8,262	3,191	233
Jasper	1,000	12,829	2,225	173
Lawrence	922	11,234	2,454	202
McDonald	319	4,881	3,371	220
Newton	<u>765</u>	<u>11,275</u>	<u>3,013</u>	<u>205</u>
Total	3,610	48,481	2,714	202

**AREA VIII**

Christian	563	6,818	3,171	262
Dallas	347	4,749	3,341	244
Douglas	318	4,314	4,584	338
Greene	1,161	20,451	2,986	170
Howell	406	5,524	3,689	271
Polk	713	8,962	3,355	267
Texas	523	6,661	3,589	282
Webster	524	7,193	3,915	285
Wright	<u>350</u>	<u>5,666</u>	<u>4,489</u>	<u>277</u>
Total	4,905	70,338	3,519	245

**AREA IX**

Butler	465	6,545	4,004	285
Scott	861	9,979	2,957	255
Stoddard	<u>1,175</u>	<u>14,601</u>	<u>3,823</u>	<u>308</u>
Total	2,501	31,125	3,558	286

**AREA X**

Dunklin	1,316	17,809	4,169	308
Mississippi	830	9,966	4,218	352
New Madrid	1,535	17,524	4,614	404
Pemiscott	<u>1,595</u>	<u>21,223</u>	<u>4,446</u>	<u>334</u>
Total	5,276	66,522	4,390	348

Grand Total	87,050	1,194,357	3,008	219
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Source: Adapted from U. S. Census of Agriculture, 1939.

## AGRICULTURAL EXTENSION SERVICE

Appendix Table E

NUMBER OF FARM LABORERS WORKING ON FARMS, SEPT. 24 - 30, 1939 AND CHANGES  
IN CIVILIAN POPULATION SINCE 1940, BY COUNTIES AND TYPE OF FARMING AREAS,  
MISSOURI

Area and County	Number of Farm Laborers			Estimated Civilian Population		Percentage Change from 1940-1943
	Operator and family	Hired Laborers	Total	Nov. 1, 1943	Apr. 1, 1940	
<b>AREA I</b>						
Andrew	4,677	588	5,265	10,391	13,015	-20.2
Atchison	3,140	587	3,727	10,410	12,897	-19.3
Caldwell	3,781	331	4,112	9,703	11,629	-16.6
Carroll	5,734	650	6,384	13,965	17,814	-21.6
Chariton	6,413	870	7,283	13,933	18,084	-23.0
Clay	4,043	669	4,712	33,437	30,417	+ 9.9
Clinton	3,383	475	3,858	11,406	13,261	-14.0
Daviess	5,215	318	5,533	10,150	13,398	-24.2
DeKalb	3,916	209	4,125	7,897	9,751	-19.0
Gentry	4,075	181	4,256	10,660	13,359	-20.2
Grundy	3,734	245	3,979	12,638	15,716	-19.6
Harrison	6,687	373	7,060	13,870	16,525	-16.1
Holt	3,513	604	4,117	9,492	12,476	-23.9
Howard	3,767	459	4,226	10,423	13,026	-20.0
Lafayette	6,190	713	6,903	24,170	27,856	-13.2
Linn	4,861	408	5,269	18,386	21,416	-14.1
Livingston	4,810	330	5,140	14,430	18,000	-19.8
Mercer	3,791	180	3,971	7,099	8,766	-19.0
Nodaway	7,886	619	8,505	20,866	25,556	-18.4
Ray	5,190	421	5,611	15,031	18,584	-19.1
Saline	5,832	854	6,686	25,002	29,416	-15.0
Worth	<u>2,466</u>	<u>239</u>	<u>2,705</u>	<u>4,941</u>	<u>6,345</u>	<u>-22.1</u>
Total	103,104	10,323	113,427	308,300	367,307	-16.1
<b>AREA II</b>						
Adair	4,267	264	4,531	16,449	20,246	-18.8
Audrain	4,223	522	4,745	21,393	22,673	- 5.6
Boone	5,725	885	6,610	33,128	34,991	- 5.3
Callaway	5,970	511	6,481	20,612	23,094	-10.7
Clark	3,703	326	4,029	8,770	10,166	-13.7
Knox	4,000	345	4,345	7,207	8,878	-18.8
Lewis	3,442	254	3,696	9,665	11,490	-15.9
Lincoln	5,147	718	5,865	12,368	14,395	-14.1
Macon	7,391	449	7,840	16,887	21,396	-21.1
Marion	3,308	392	3,700	26,975	31,576	-14.6
Monroe	5,215	279	5,494	10,831	13,195	-17.9
Montgomery	4,064	177	4,241	10,662	12,442	-14.3
Pike	4,780	964	5,744	15,550	18,327	-15.2
Putnam	4,011	182	4,193	9,367	11,327	-17.3
Ralls	3,412	433	3,845	8,066	10,040	-19.7
Randolph	4,203	327	4,530	20,641	24,458	-15.6
Schuyler	2,575	167	2,742	5,427	6,627	-18.1
Scotland	3,289	211	3,500	6,746	8,557	-21.2
Shelby	3,971	162	4,133	9,181	11,224	-18.2
Sullivan	<u>5,065</u>	<u>214</u>	<u>5,279</u>	<u>11,414</u>	<u>13,701</u>	<u>-16.7</u>
Total	87,761	7,782	95,543	281,339	328,803	-14.4

UNIVERSITY OF MISSOURI COLLEGE OF AGRICULTURE AND THE UNITED  
STATES DEPARTMENT OF AGRICULTURE COOPERATING

J. W. BURCH, Director, Agricultural Extension Service

Distributed in furtherance of the Acts of Congress of May 8, and June 30, 1914

## Appendix Table E

NUMBER OF FARM LABORERS WORKING ON FARMS, SEPT. 24 - 30, 1939 AND CHANGES  
IN CIVILIAN POPULATION SINCE 1940, BY COUNTIES AND TYPE OF FARMING AREAS,  
MISSOURI

Area and County	Number of Farm Laborers			Estimated Civilian Population		Percentage Change from 1940-1943
	Operator and family	Hired Laborers	Total	Nov. 1, 1943	Apr. 1, 1940	
<b>AREA III</b>						
Buchanan	5,092	1,108	6,200	79,960	94,067	-15.0
Jackson	7,781	1,491	9,272	485,893	477,828	+ 1.7
Jefferson	5,330	616	5,946	27,201	32,023	-15.1
Platte	4,447	930	5,377	12,224	13,862	-11.8
St. Charles	5,181	555	5,736	26,312	25,562	+ 2.9
St. Louis*	<u>7,358</u>	<u>1,865</u>	<u>9,223</u>	<u>1,124,974</u>	<u>1,089,280</u>	<u>+ 3.2</u>
Total	35,189	6,565	41,754	1,756,564	1,732,622	+ 1.4
<b>AREA IV</b>						
Cape Girardeau	6,512	492	7,004	32,722	37,775	-13.4
Cole	4,065	365	4,430	31,392	34,912	-10.1
Franklin	7,080	976	8,056	31,053	33,868	- 8.3
Gasconade	3,677	181	3,858	11,126	12,414	-10.4
Moniteau	3,976	183	4,159	10,148	11,775	-13.8
Osage	4,076	250	4,326	10,589	12,375	-14.4
Perry	4,814	625	5,439	13,133	15,358	-14.5
St. Francois	3,124	342	3,466	31,806	35,950	-11.5
Ste. Genevieve	2,956	150	3,106	9,820	10,905	- 9.9
Warren	<u>2,777</u>	<u>129</u>	<u>2,906</u>	<u>7,015</u>	<u>7,734</u>	<u>- 9.3</u>
Total	43,057	3,693	46,750	188,804	213,066	-11.4
<b>AREA V</b>						
Benton	4,875	225	5,100	8,900	11,142	-20.1
Bollinger	4,916	248	5,164	9,643	12,898	-25.2
Camden	2,829	133	2,962	6,312	8,971	-29.6
Carter	1,432	24	1,456	4,432	6,226	-28.8
Crawford	3,012	327	3,339	9,018	12,693	-29.0
Dent	3,665	133	3,798	9,620	11,763	-18.2
Hickory	2,798	127	2,925	4,782	6,506	-26.5
Iron	2,623	81	2,704	7,874	10,440	-24.6
Laclede	5,560	158	5,718	18,455	18,718	- 1.4
Madison	2,039	130	2,169	8,749	9,656	- 9.4
Maries	3,598	214	3,812	5,950	8,638	-31.1
Miller	4,602	129	4,731	12,354	14,798	-16.5
Morgan	3,891	72	3,963	9,253	11,140	-16.9
Oregon	4,066	289	4,355	10,116	13,390	-24.5
Ozark	4,665	201	4,866	8,782	10,766	-18.4
Phelps	4,065	246	4,311	21,014	17,437	+20.5
Pulaski	2,864	112	2,976	12,442	10,775	+15.5
Reynolds	2,594	153	2,747	6,721	9,370	-28.3
Ripley	4,125	82	4,207	9,965	12,606	-21.0
Shannon	3,782	189	3,971	7,936	11,831	-32.9
Stone	3,962	203	4,165	9,351	11,298	-17.2
Taney	3,606	166	3,772	7,845	10,323	-24.0
Washington	3,820	206	4,026	12,370	17,492	-29.3
Wayne	<u>3,414</u>	<u>109</u>	<u>3,523</u>	<u>9,030</u>	<u>12,794</u>	<u>-29.4</u>
Total	86,803	3,957	90,760	230,914	281,671	-18.0

\*Includes St. Louis County and city.

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IN CIVILIAN POPULATION SINCE 1940, BY COUNTIES AND TYPE OF FARMING AREAS,  
MISSOURI

Area and County	Number of Farm Laborers			Estimated Civilian Population		Percentage Change from 1940-1943
	Operator and family	Hired Laborers	Total	Nov. 1, 1943	Apr. 1, 1940	
<b>AREA VI</b>						
Barton	4,048	233	4,281	10,908	14,148	-22.9
Bates	6,922	372	7,294	15,875	19,531	-18.7
Cass	5,951	668	6,619	17,648	19,534	- 9.7
Cedar	4,336	160	4,496	9,293	11,697	-20.6
Cooper	4,525	407	4,932	16,025	18,075	-11.3
Dade	4,165	207	4,372	8,911	11,248	-20.8
Henry	5,920	472	6,392	17,932	22,313	-19.6
Johnson	6,959	489	7,448	18,643	21,617	-13.8
Pettis	5,530	731	6,261	29,381	33,336	-11.9
St. Clair	5,215	315	5,530	10,175	13,146	-22.6
Vernon	6,983	533	7,516	21,655	25,586	-15.4
Total	60,554	4,587	65,141	176,446	210,231	-16.1
<b>AREA VII</b>						
Barry	6,882	374	7,256	19,335	23,546	-17.5
Jasper	7,156	399	7,555	73,963	78,705	- 6.0
Lawrence	5,746	415	6,161	21,238	24,637	-13.8
McDonald	4,954	186	5,140	13,402	15,749	-14.9
Newton	7,504	528	8,032	27,647	29,039	- 4.8
Total	32,242	1,902	34,144	155,685	171,676	- 9.3
<b>AREA VIII</b>						
Christian	4,634	456	5,090	10,822	13,538	-20.1
Dallas	4,026	72	4,098	9,429	11,523	-18.2
Douglas	5,532	270	5,802	11,802	15,600	-24.3
Greene	8,870	830	9,700	85,256	90,541	- 5.8
Howell	7,025	228	7,253	17,855	22,270	-19.8
Polk	6,868	467	7,335	14,434	17,400	-17.0
Texas	7,514	362	7,876	18,223	19,813	- 8.0
Webster	6,456	371	6,827	14,016	17,226	-18.6
Wright	6,230	232	6,462	14,324	17,967	-20.3
Total	57,155	3,288	60,443	196,161	225,878	-13.2
<b>AREA IX</b>						
Butler	7,031	441	7,472	29,526	34,276	-13.9
Scott	4,327	1,331	5,658	28,238	30,377	- 7.0
Stoddard	8,663	1,209	9,872	28,763	33,009	-12.8
Total	20,021	2,981	23,002	86,547	97,662	-11.4
<b>AREA X</b>						
Dunklin	8,112	6,712	14,824	39,613	44,957	-11.9
Mississippi	5,263	5,309	10,572	23,313	23,149	+ 0.7
New Madrid	8,323	7,153	15,476	38,365	39,787	- 3.6
Pemiscot	6,826	18,258	25,084	42,739	48,857	- 8.8
Total	28,524	37,432	65,956	144,030	154,750	- 6.9
Grand Total	554,410	82,510	636,920	3,524,790	3,783,666	- 6.8

Sources: Number of farm laborers from U.S. Census of Agriculture, 1940;  
Civilian Population, 1940, from Sixth Census of the U.S., 1940;  
Civilian Population, 1943, from Estimated Civilian Population of  
the United States by Counties, November 1, 1943 U.S. Bureau of  
the Census, Series P-44, No. 3.