

1982 Census of Agriculture

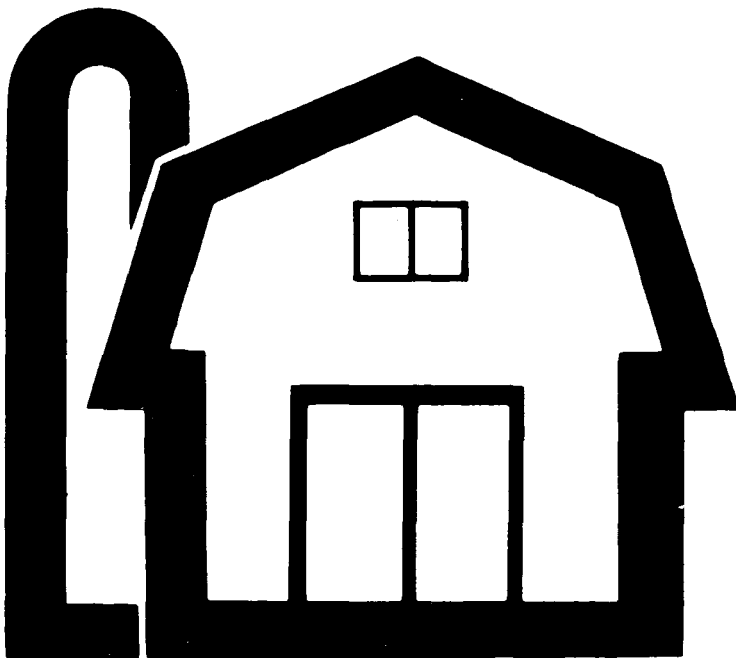
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Volume 1
GEOGRAPHIC AREA SERIES

Part 42

Tennessee

State and County Data



U.S. Department of Commerce
BUREAU OF THE CENSUS

The publications
from the 1982 Economic and
Agriculture Censuses are dedicated
to the memory of Shirley Kallek,
Associate Director for Economic Fields.
During her career at the Bureau of the
Census (1955 to 1983), she continually
directed efforts to improve
the timeliness and accuracy of
economic statistics.

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Issued May 1984



U.S. Department of Commerce
Malcolm Baldrige, Secretary
Clarence J. Brown, Deputy Secretary
Sidney Jones, Under Secretary for
Economic Affairs

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ACKNOWLEDGMENTS—Many persons participated in conducting the 1982 Census of Agriculture. Primary direction was by **Shirley Kallek**, Associate Director for Economic Fields (to May 1983), **Charles A. Waite**, her successor, and **Michael G. Farrell**, Assistant Director for Economic and Agriculture Censuses.

This report was prepared in the Agriculture Division under the general supervision of **Orvin L. Wilhite**, Chief (to January 1980); **Arnold L. Bollenbacher**, Chief (to June 1982); and **John H. Berry**, Chief (from July 1982).

Many divisions contributed to this report. Data Preparation performed the clerical processing; Administrative Services provided the forms design and other administrative services; Publications Services contributed in publication planning and design, editorial review, composition, and printing procurement; Computer Services provided the computer processing facilities; Field provided selected data collection activities; and Economic Surveys assisted in preparation of data collection and processing procedures and computer programs.

Members of the Census Advisory Committee on Agriculture Statistics and representatives of both public and private organizations made significant recommendations which helped establish data content.

Members of various agencies of the U.S. Department of Agriculture provided valuable advice in the planning, publicizing, and processing phases of the census, and in helping farmers and ranchers complete the report forms.

The press, farm magazines, radio and television stations, and farm organizations were most helpful in publicizing the census and encouraging cooperation of farm and ranch operators.

Special tribute is paid to the millions of farm and ranch operators who furnished the information requested. Only through their cooperation was it possible to collect and publish the data in this report.

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*Not applicable.

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FARM DEFINITION

Since 1850, when minimum criteria defining a farm for census purposes were first established, the farm definition has been changed nine times. The current definition, first used for the 1974 final reports, is any place from which \$1,000 or more of agricultural products were sold or normally would have been sold during the census year. The previous definition (used for the 1959, 1964, and 1969 censuses, and for the 1974 preliminary reports) was any place with less than 10 acres from which \$250 or more of agricultural products were sold or normally would have been sold during the census year, or any place of 10 acres or more from which \$50 or more of agricultural products were sold or normally would have been sold during the census year.

HISTORY

The census of agriculture provides a periodic statistical picture of the Nation's farming, ranching, and related activities. The 1982 Census of Agriculture is the 22d taken by the U.S. Department of Commerce, Bureau of the Census.

The first agriculture census was taken in 1840 as part of the sixth decennial census of population. From 1840 to 1950, an agriculture census was taken as part of the decennial census. A separate mid-decade census of agriculture was conducted in 1925, 1935, and 1945. From 1954 to 1974, a census of agriculture was taken for the years ending in 4 and 9. In 1976, Congress authorized the census of agriculture to be taken for 1978 and 1982 to adjust the data reference year to coincide with the 1982 Economic Censuses covering manufacturing, mining, construction, retail trade, wholesale trade, service industries, and selected transportation activities. After 1982, the agriculture census will revert to a 5-year cycle and be taken covering years ending in 2 and 7.

USES OF THE CENSUS

The census of agriculture is the leading source of statistics about the Nation's agriculture and the only source of consistent, comparable data about agriculture at the county, State, and national levels. Census statistics are used by Congress in developing and changing farm programs and for determining the effects of these programs. Many national and State programs affecting agriculture are designed or allocated on the basis of census data, such as funds for extension services, research, and soil conservation projects. Private industry uses census statistics to provide a more effective production and distribution system for the farm community.

AUTHORITY AND AREA COVERED

The census of agriculture is required by law under title 13, United States Code, sections 142(a) and 191, which directs that the census be taken in 1979, in 1983, and in every fifth year after 1983 covering the prior year. The 1982 census includes each State, Puerto Rico, Guam, and the Virgin Islands of the United States.

COMPARABILITY OF DATA

All censuses since 1969 were conducted primarily by mail. To improve the coverage of the 1978 census, especially in counting the number of small farms, the mailout/mailback enumeration was supplemented by the direct enumeration of all households in approximately 6,400 sample segments in rural areas in all States, except Alaska and Hawaii. Due to budget reductions, the direct enumeration area sample was eliminated for 1982.

The U.S. region, and State data for 1978 shown in the 1978 Census of Agriculture publications included data for farms represented on the mail list plus estimates from the area sample for farms not on the mail list. The 1978 county data included only farms represented on the mail list as the sample was not large enough to provide reliable estimates for each county.

To provide comparable data for 1982 and 1978, estimates from the 1978 area sample have been subtracted from the 1978 data. Thus, the 1978 data in this report include only farms represented on the mail list. Appendix B includes a detailed discussion of the effect of the area sample on census comparability.

In general, data for 1982, 1978, and 1974 are not fully comparable with data for 1969 and earlier censuses due to changes in the farm definition. Data on acreages and inventories for 1982 and 1978 are generally comparable. Dollar figures shown for expenses and agricultural product sales have not been adjusted for changes in price levels between census years.

TABULAR PRESENTATION

State data—In chapter 1, State tables 1 through 43 show detailed State level data usually accompanied by historical data for one or more past censuses. Tables 44 through 50 provide 1982 State data cross-tabulated by various farm classifications.

County data—Selected data items are presented by county in chapter 2. Tables 1 through 16 include general data for all counties. The counties are listed in alphabetical order in the

column headings. In tables 17 through 36, only counties reporting the data item are included in the table stub. Counties not having the item, or with a limited number of farms reporting the item, are not listed separately. Data for these counties are combined and presented as "all other counties."

PRELIMINARY REPORTS

Preliminary reports have been published separately for each county with 10 farms or more in 1982, each State, and the United States. This series provided, at the earliest possible date, information on major data items together with comparable final data from the 1978 census. The data items were standard except in tables 4 and 5 where the selected crops varied by State according to their relative importance.

For farms, land in farms, livestock inventories, and other major items at the county level, differences between the preliminary and final figures are generally less than 5 percent. At the State level, differences are significantly less.

MICROFICHE AND COMPUTER TAPES

The data in this report and final data for individual counties are available on microfiche. The final microfiche county tables have the same format as the county preliminary report. Also, computer tapes are available for the same summary statistics that are found in the preliminary and volume 1 reports. Microfiche reports are sold by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Computer tapes are sold by the Customer Services Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

UNPUBLISHED DATA

Copies of computer printouts of the following unpublished county summary tables are available:

Land in Farms With Cropland Harvested and Land in Farms and Cropland Harvested on Irrigated Farms, by Size of Farm: 1982
Owned and Rented Land—Farms, Land in Farms, and Value of Land and Buildings: 1982
Farms With Grazing Permits: 1982

Other special unpublished tables and summaries on computer tape can be developed to individual user specifications.

Inquiries about the availability and cost of unpublished tabulations should be directed to the Chief, Agriculture Division, Bureau of the Census, Washington, D.C. 20233.

CENSUS DISCLOSURE RULES

In keeping with the provisions of title 13, United States Code, no data are published that would disclose the operations of an individual farm. However, the number of farms in a given size category or other classification is not considered a disclosure, so this information may be given even though other information is withheld.

DEFINITIONS AND EXPLANATIONS

Appendix A includes definitions and explanations of selected terms used in the tables.

"SEE TEXT" REFERENCE

Items in the tables which are followed by the reference "see text" are explained or defined in appendix A.

INVENTORIES, PRODUCTION, AND SALES DATA

Inventories of livestock, poultry, and machinery and equipment are as of December 31 of the census year. Crop and livestock production, sales, and expense data are for the calendar year, except for a few crops (such as citrus) for which the production year overlaps the calendar year.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used throughout the tables:

—	Represents zero.
(D)	Withheld to avoid disclosing data for individual farms.
(X)	Not applicable.
(Z)	Less than half of the unit shown.
(NA)	Not available.
(IC)	Independent city.
cwt.	Hundredweight.
sq. ft.	Square feet.

Highlights of the State's Agriculture: 1982 and 1978

[Dollar figures are in current dollars with no adjustment for price changes. For meaning of abbreviations and symbols, see introductory text]

Item	All farms			Farms with sales of \$10,000 or more		
	1982	1978	Percent change from 1978 to 1982	1982	1978	Percent change from 1978 to 1982
Farms.....number..	90 565	86 910	4.2	25 444	23 882	6.5
Land in farms.....acres..	12 474 931	12 680 809	-1.6	7 686 437	7 546 570	1.9
Average size of farm.....acres..	138	146	-5.5	302	316	-4.4
Value of land and buildings ¹ :						
Average per farm.....dollars..	139 141	125 238	11.1	291 347	269 723	8.0
Average per acre.....dollars..	1 014	856	18.5	965	850	13.5
Farms by size:						
1 to 9 acres.....	9 481	7 611	24.6	851	663	28.4
10 to 49 acres.....	26 965	23 141	16.5	2 421	1 677	44.4
50 to 179 acres.....	35 998	37 057	-2.9	9 516	8 568	11.1
180 to 499 acres.....	13 757	14 806	-7.1	8 701	9 119	-4.6
500 to 999 acres.....	3 065	3 037	.9	2 718	2 658	2.3
1,000 to 1,999 acres.....	995	993	.2	944	943	.1
2,000 acres or more.....	304	265	14.7	293	254	15.4
Harvested cropland.....farms..	74 518	73 823	.9	23 978	22 330	7.4
.....acres..	4 548 895	4 409 331	3.2	3 787 102	3 530 894	7.3
Irrigated land.....farms..	1 141	1 254	-9.0	491	470	4.5
.....acres..	17 745	13 163	34.8	15 170	9 429	60.9
Market value of agricultural products sold.....\$1,000..	1 683 852	1 395 535	20.7	1 456 316	1 163 456	25.2
Crops, including nursery and greenhouse products.....farms..	56 935	56 418	.9	21 178	19 184	10.4
.....\$1,000..	848 819	658 403	28.9	733 427	553 783	32.4
Livestock, poultry, and their products.....farms..	62 531	63 491	-1.5	19 527	19 161	1.9
.....\$1,000..	835 033	737 132	13.3	722 890	609 673	18.6
Farms by standard industrial classification:						
Cash grains (011).....	10 997	11 265	-2.4	5 948	5 675	4.8
Field crops, except cash grains (013).....	29 517	25 307	16.6	6 506	3 974	63.7
Vegetables and melons (016).....	770	656	17.4	238	222	7.2
Fruits and tree nuts (017).....	355	286	24.1	37	55	-32.7
Horticultural specialties (018).....	701	651	7.7	373	322	15.8
General farms, primarily crop (019).....	2 539	2 517	.9	1 066	1 108	-3.8
Livestock, except dairy, poultry, and animal specialties (021).....	39 342	40 539	-3.0	7 234	8 529	-15.2
Dairy farms (024).....	3 238	3 262	-.7	2 997	2 800	7.0
Poultry and eggs (025).....	714	821	-13.0	533	676	-21.2
Animal specialties (027).....	1 408	652	116.0	182	127	43.3
General farms, primarily livestock (029).....	984	954	3.1	330	394	-16.2
Farms by type of organization:						
Individual or family.....	80 881	77 317	4.6	20 992	19 531	7.5
Partnership.....	8 910	8 868	.5	4 028	3 841	4.9
Corporation.....	511	590	-13.4	347	478	-27.4
Other—cooperative, estate or trust, institutional, etc.....	263	135	94.8	77	32	140.6
Tenure of operator:						
Full owners.....	64 182	61 666	4.1	12 451	11 656	6.8
Part owners.....	19 864	19 112	3.9	10 692	10 112	5.7
Tenants.....	6 519	6 132	6.3	2 301	2 114	8.8
Operators by principal occupation:						
Farming.....	36 802	36 209	1.6	17 084	16 277	5.0
Other.....	53 763	50 701	6.0	8 360	7 605	9.9
Selected farm production expenses ¹ :						
Feed for livestock and poultry.....\$1,000..	228 199	209 886	8.7	204 063	181 404	12.5
Commercial fertilizer.....\$1,000..	124 921	107 441	16.3	105 889	84 933	24.7
Other agricultural chemicals ²\$1,000..	57 848	40 824	41.7	53 398	35 407	50.8
Energy and petroleum products.....\$1,000..	128 069	79 569	61.0	98 938	57 582	71.8
Hired farm labor.....\$1,000..	109 251	81 407	34.2	92 424	68 650	34.6
Livestock and poultry inventory:						
Cattle and calves.....farms..	60 924	56 962	7.0	17 397	16 385	6.2
.....number..	2 242 905	2 056 341	9.1	1 342 323	1 239 297	8.3
Milk cows.....farms..	8 098	9 662	-16.2	4 368	4 413	-1.0
.....number..	217 234	204 084	6.4	205 414	185 659	10.6
Hogs and pigs.....farms..	12 963	19 535	-33.6	5 502	7 150	-23.0
.....number..	866 226	1 016 050	-14.7	751 547	769 551	-2.3
Chickens 3 months old or older.....farms..	9 655	11 567	-16.5	1 957	2 283	-14.3
.....number..	3 578 895	4 856 685	-26.3	3 356 704	4 557 454	-26.3
Crops harvested:						
Corn for grain or seed.....farms..	18 711	21 871	-14.4	9 662	9 975	-3.1
.....acres..	563 467	615 553	-8.5	490 567	502 380	-2.4
Wheat for grain.....farms..	8 357	3 885	115.1	6 452	3 052	111.4
.....acres..	720 123	145 777	394.0	681 793	136 187	400.6
Cotton.....farms..	1 850	2 308	-19.8	1 461	1 751	-16.6
.....acres..	241 998	227 995	6.1	236 529	221 557	6.8
Tobacco.....farms..	36 515	33 938	7.6	11 419	8 918	28.0
.....acres..	82 390	66 813	23.3	49 079	35 856	36.9
Soybeans for beans.....farms..	14 359	15 433	-7.0	9 457	9 396	.6
.....acres..	2 104 123	2 105 885	-.1	1 965 551	1 923 424	2.2
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text).....farms..	43 737	45 584	-4.1	14 887	14 471	2.9
.....acres..	1 127 138	1 146 423	-1.7	649 611	622 314	4.4

¹Data are based on a sample of farms.

²Data for 1978 include the cost of lime which was not collected in 1982.