

# 1987

# Census of Agriculture

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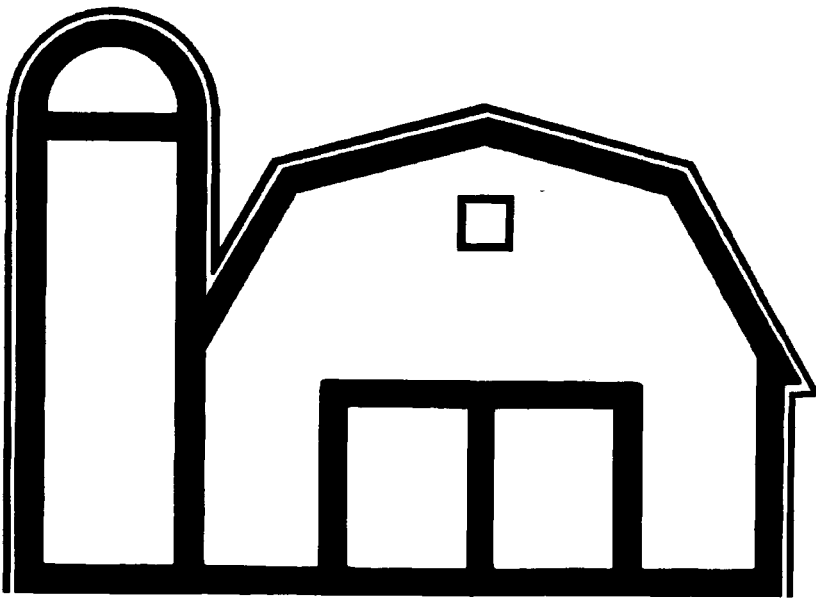
Volume 1  
GEOGRAPHIC AREA SERIES

Part 4

# Arkansas

## State and County Data

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U.S. Department of Commerce  
BUREAU OF THE CENSUS

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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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# 1987

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GEOGRAPHIC AREA SERIES

Part 4  
**Arkansas**  
State and County Data

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Issued July 1989



**U.S. Department of Commerce**  
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**BUREAU OF THE CENSUS**

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# INTRODUCTION

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## HISTORY

The 1987 Census of Agriculture is the 23d 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 so that it coincided with the economic censuses covering manufacturing, mining, construction, retail trade, wholesale trade, service industries, and selected transportation activities. This adjustment in timing established the agriculture census on a 5-year cycle collecting data for years ending in 2 and 7.

## USES OF THE CENSUS

The census of agriculture is the leading source of statistics about the Nation's agricultural production and the only source of consistent, comparable data 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 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 agricultural 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 a census be taken in 1979, 1983, and in every

fifth year after 1983 covering the prior year. The 1987 census includes each State, Puerto Rico, Guam, and the Virgin Island of the United States. A census of agriculture will be conducted in American Samoa and the Commonwealth of the Northern Mariana Islands in conjunction with the 1990 Census of Population and Housing.

## FARM DEFINITION

Since 1850, when minimum criteria defining a farm for census purposes first were established, the farm definition has been changed nine times. The current definition, first used for the 1974 census, is any place from which \$1,000 or more of agricultural products were produced and sold or normally would have been sold during the census year. The farm definition used for the outlying areas varies according to area. The report for each area includes a discussion of the farm definition.

## COMPARABILITY OF DATA

Data on acreages and inventories for 1987 and 1982 are generally comparable. Dollar figures shown for expenses and agricultural product sales are expressed in current dollars and have not been adjusted for inflation or deflation. In general, data for censuses since 1974 are not fully comparable with data for 1969 and earlier censuses due to changes in the farm definition.

The 1978 U.S., region, and State data shown in the 1978 Census of Agriculture publications included data for farms on the mail list plus estimates from an area sample for farms not on the mail list. For comparability, the 1978 data in the 1987 publications include only farms on the mail list.

## TABULAR PRESENTATION

**State data**—Tables 1 through 47 in chapter 1 show detailed State-level data usually accompanied by historical data for one or more past censuses. Tables 48 through 53 provide 1987 State data cross-tabulated by various farm classifications.

**County data**—Chapter 2 presents selected data items by county. Tables 1 through 16 include general data for all counties. The counties are listed in alphabetical order in the column headings. Tables 17 through 36 include only



counties reporting the data item. Counties not having the item, or with a limited number of farms reporting the item, have data combined and presented as "all other counties."

## ADVANCE REPORTS

Advance reports of 1987 census data have been published separately for each county with 10 farms or more, each State, and the United States. This series provided, at the earliest possible date, final data on major data items together with comparable final data from the 1982 census. Data items are standard across States except information on selected crops harvested, which vary by State according to their relative importance in the State.

## ELECTRONIC DATA DISSEMINATION

The volume 1 data are available on computer tapes and compact disc. The advance report data are available on computer tapes, computer diskettes, and through electronic data services such as the AGRIDATA network, the CENDATA package on Dialog, CompuServe on-line services, and the Census Bureau's State Data Center Bulletin Board. Computer tapes, diskettes, and compact discs are sold by the Customer Services Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233 (telephone (301) 763-4100).

## SPECIAL TABULATIONS

Custom designed tabulations can be developed to individual user specifications on a programming cost reimbursable basis. Inquiries about special 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, such as size of farm, is not considered a release of confidential information and is provided even though other information is withheld.

## INVENTORIES, PRODUCTION, AND SALES DATA

Inventories of livestock, poultry, and machinery and equipment are measured 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.
- (IC) Independent city.
- (NA) Not available.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate (associated relative standard error) or a consistency review.
- (X) Not applicable.
- (Z) Less than half of the unit shown.
- cwt Hundredweight.
- sq ft Square feet.

# Highlights of the State's Agriculture: 1987 and 1982

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

Item	All farms		
	1987	1982	Percent change from 1982 to 1987
Farms..... number	48 242	50 525	-4.5
Land in farms..... acres	14 355 611	14 682 960	-2.2
Average size of farm..... acres	298	291	2.4
Value of land and buildings <sup>1</sup> :			
Average per farm..... dollars	225 604	286 402	-21.2
Average per acre..... dollars	761	972	-21.7
Farms by size:			
1 to 9 acres.....	2 249	2 069	8.7
10 to 49 acres.....	9 723	10 255	-5.2
50 to 179 acres.....	17 551	19 022	-7.7
180 to 499 acres.....	11 173	11 622	-3.9
500 to 999 acres.....	4 371	4 519	-3.3
1,000 to 1,999 acres.....	2 304	2 154	7.0
2,000 acres or more.....	871	884	-1.5
Harvested cropland..... farms	32 248	34 725	-7.1
..... acres	6 477 365	7 484 316	-13.5
Irrigated land..... farms	7 269	6 678	8.8
..... acres	2 406 338	2 022 695	19.0
Market value of agricultural products sold..... \$1,000	3 320 258	2 826 497	17.5
Average per farm..... dollars	68 825	55 943	23.0
Crops, including nursery and greenhouse crops..... \$1,000	1 246 686	1 356 618	-8.1
Grains..... \$1,000	945 602	1 171 661	-19.3
Cotton and cottonseed..... \$1,000	248 155	142 376	74.3
Tobacco..... \$1,000	(D)	(D)	(D)
Hay, silage, and field seeds..... \$1,000	16 352	12 985	25.9
Vegetables, sweet corn, and melons..... \$1,000	14 233	8 445	68.5
Fruits, nuts, and berries..... \$1,000	6 851	6 643	3.1
Nursery and greenhouse crops..... \$1,000	13 288	12 042	10.3
Other crops..... \$1,000	(D)	(D)	(D)
Livestock, poultry, and their products..... \$1,000	2 073 572	1 469 879	41.1
Poultry and poultry products..... \$1,000	1 541 248	1 021 149	50.9
Dairy products..... \$1,000	91 287	108 676	-18.0
Cattle and calves..... \$1,000	315 680	243 483	29.7
Hogs and pigs..... \$1,000	87 542	66 871	30.9
Sheep, lambs, and wool..... \$1,000	460	328	40.2
Other livestock and livestock products (see text)..... \$1,000	37 355	29 373	27.2
Farms by type of organization:			
Individual or family (sole proprietorship).....	42 885	45 152	-5.0
Partnership.....	3 626	3 856	-6.0
Corporation.....	1 542	1 326	16.3
Other—cooperative, estate or trust, institutional, etc.....	189	191	-1.0
Operators by principal occupation:			
Farming.....	24 210	25 701	-5.8
Other.....	24 032	24 824	-3.2
Operators by days worked off farm:			
Any.....	26 208	26 948	-2.7
200 days or more.....	18 417	18 455	-2.2
Average age of operator..... years	51.8	50.9	1.8
Total farm production expenses <sup>1</sup> ..... \$1,000	2 454 097	(NA)	(NA)
Selected farm production expenses <sup>1</sup> :			
Livestock and poultry purchased..... \$1,000	368 424	272 441	35.2
Feed for livestock and poultry..... \$1,000	774 203	570 609	35.7
Commercial fertilizer <sup>2</sup> ..... \$1,000	123 230	131 022	-5.9
Agricultural chemicals <sup>2</sup> ..... \$1,000	115 386	114 397	.9
Petroleum products..... \$1,000	136 284	191 553	-28.9
Hired farm labor..... \$1,000	198 167	164 885	20.2
Interest expense <sup>3</sup> ..... \$1,000	135 440	192 827	-29.8
Livestock and poultry inventory:			
Cattle and calves..... farms	31 606	34 779	-9.1
..... number	1 562 243	1 718 315	-9.1
Milk cows..... farms	2 252	3 769	-40.2
..... number	70 926	86 779	-18.3
Hogs and pigs..... farms	2 467	3 737	-34.0
..... number	452 930	388 388	18.6
Chickens 3 months old or older..... farms	3 263	4 809	-32.1
..... number	24 085 427	24 235 681	-6
Selected crops harvested:			
Sorghum for grain or seed..... farms	3 631	2 203	64.8
..... acres	334 569	235 778	41.9
Wheat for grain..... farms	5 329	7 727	-31.0
..... acres	859 405	1 667 522	-48.5
Rice..... farms	5 613	5 436	3.3
..... acres	1 041 433	1 262 744	-17.5
Cotton..... farms	2 479	2 019	22.8
..... acres	529 636	405 345	30.7
Soybeans for beans..... farms	8 983	11 307	-20.6
..... acres	3 160 746	4 198 968	-24.7
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)..... farms	21 832	22 614	-3.5
..... acres	944 470	878 203	7.5

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Data for 1987 include cost of custom applications.

<sup>3</sup>Data for 1982 do not include imputation for item nonresponse.