

# 1987

## Census of Agriculture

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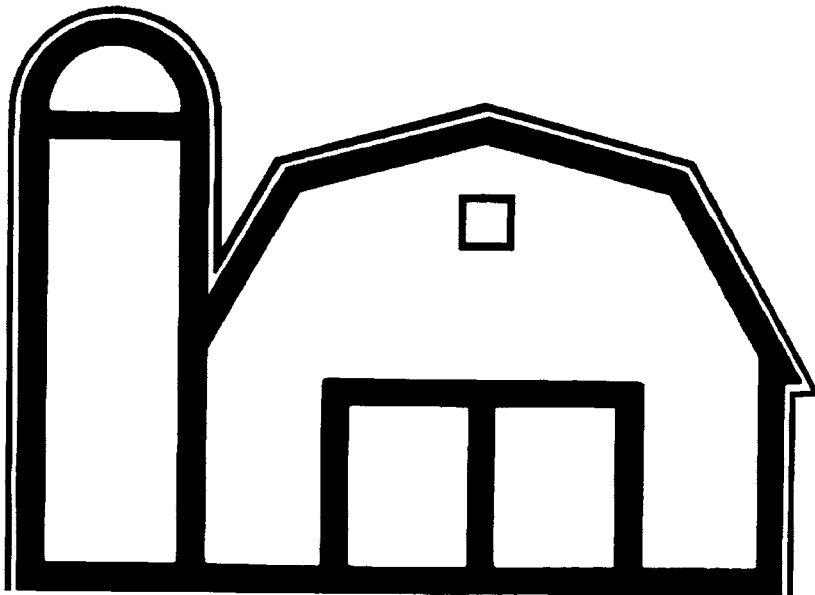
Volume 1  
GEOGRAPHIC AREA SERIES

Part 25

# Missouri

## 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.

If you have any questions concerning the statistics in this report, call:

(301) 763-8555 Division Chief

(301) 763-8567 Crops Branch

(301) 763-8569 Livestock Branch

(301) 763-8566 Farm Economics Branch

(301) 763-1113 General Information

(301) 763-8558 Statistical Methodology

# 1987

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AC87-A-25

Volume 1  
GEOGRAPHIC AREA SERIES

Part 25  
**Missouri**  
State and County Data

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Issued June 1989



U.S. Department of Commerce  
Robert A. Mosbacher, Secretary

BUREAU OF THE CENSUS

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**BUREAU OF THE CENSUS**  
**C. L. Kincannon, Deputy Director**

**Charles A. Waite**, Associate Director for  
Economic Programs  
**Roger H. Bugenhagen**, Assistant Director for  
Economic and Agriculture Censuses

**Thomas L. Mesenbourg**, Chief,  
Economic Census Staff

**AGRICULTURE DIVISION**  
**Charles P. Pautler, Jr., Chief**

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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.....	106 105	112 447	-5.6
Land in farms.....acres.....	29 209 187	29 266 609	-2.2
Average size of farm.....acres.....	275	260	5.8
Value of land and buildings <sup>1</sup> :			
Average per farm.....dollars.....	175 612	223 247	-21.3
Average per acre.....dollars.....	640	856	-25.2
Farms by size:			
1 to 9 acres.....	4 960	4 713	5.2
10 to 49 acres.....	17 028	19 050	-10.6
50 to 179 acres.....	37 413	40 513	-7.7
180 to 499 acres.....	30 423	32 292	-6.8
500 to 999 acres.....	11 413	11 561	-1.3
1,000 to 1,999 acres.....	3 990	3 566	11.9
2,000 acres or more.....	878	752	16.8
Harvested cropland.....farms.....	80 396	86 837	-7.4
.....acres.....	11 655 304	12 725 378	-8.4
Irrigated land.....farms.....	2 823	2 037	38.6
.....acres.....	534 795	402 914	32.7
Market value of agricultural products sold.....\$1,000.....	3 644 988	3 606 856	1.1
Average per farm.....dollars.....	34 353	32 076	7.1
Crops, including nursery and greenhouse crops.....\$1,000.....	1 460 850	1 546 664	-5.5
Grains.....\$1,000.....	1 219 240	1 385 386	-12.0
Cotton and cottonseed.....\$1,000.....	88 531	49 605	78.5
Tobacco.....\$1,000.....	5 292	8 945	-40.8
Hay, silage, and field seeds.....\$1,000.....	65 286	47 422	37.7
Vegetables, sweet corn, and melons.....\$1,000.....	9 543	6 602	44.5
Fruits, nuts, and berries.....\$1,000.....	11 232	9 688	15.9
Nursery and greenhouse crops.....\$1,000.....	57 516	37 405	53.8
Other crops.....\$1,000.....	4 210	1 611	161.3
Livestock, poultry, and their products.....\$1,000.....	2 184 138	2 060 191	6.0
Poultry and poultry products.....\$1,000.....	273 584	194 807	40.4
Dairy products.....\$1,000.....	328 049	342 135	-4.1
Cattle and calves.....\$1,000.....	1 067 580	906 446	17.8
Hogs and pigs.....\$1,000.....	492 286	594 949	-17.3
Sheep, lambs, and wool.....\$1,000.....	5 924	5 624	5.3
Other livestock and livestock products (see text).....\$1,000.....	16 715	16 230	3.0
Farms by type of organization:			
Individual or family (sole proprietorship).....	94 574	99 370	-4.8
Partnership.....	9 050	10 733	-15.7
Corporation.....	2 096	2 020	3.8
Other—cooperative, estate or trust, institutional, etc.....	385	324	18.8
Operators by principal occupation:			
Farming.....	53 694	58 511	-8.2
Other.....	52 411	53 936	-2.8
Operators by days worked off farm:			
Any.....	58 409	61 466	-5.0
200 days or more.....	40 925	41 189	-6
Average age of operator.....years.....	52.9	51.0	3.7
Total farm production expenses <sup>1</sup> .....\$1,000.....	2 804 630	(NA)	(NA)
Selected farm production expenses <sup>1</sup> :			
Livestock and poultry purchased.....\$1,000.....	397 299	383 293	3.7
Feed for livestock and poultry.....\$1,000.....	552 814	593 598	-6.9
Commercial fertilizer <sup>2</sup> .....\$1,000.....	239 254	255 645	-6.4
Agricultural chemicals <sup>2</sup> .....\$1,000.....	135 348	130 122	4.0
Petroleum products.....\$1,000.....	176 852	258 582	-31.6
Hired farm labor.....\$1,000.....	163 868	141 232	16.0
Interest expense <sup>3</sup> .....\$1,000.....	277 614	393 388	-29.4
Livestock and poultry inventory:			
Cattle and calves.....farms.....	73 738	81 927	-10.0
.....number.....	4 158 226	4 664 498	-10.9
Milk cows.....farms.....	7 712	11 320	-31.9
.....number.....	242 039	267 753	-9.6
Hogs and pigs.....farms.....	14 985	22 589	-33.7
.....number.....	2 581 954	3 186 443	-19.0
Chickens 3 months old or older.....farms.....	7 485	11 304	-33.8
.....number.....	8 235 467	7 314 637	12.6
Selected crops harvested:			
Corn for grain or seed.....farms.....	25 921	25 323	2.4
.....acres.....	2 069 238	1 892 882	9.3
Corn for silage or green chop.....farms.....	2 831	3 861	-26.7
.....acres.....	82 412	116 473	-29.2
Sorghum for grain or seed.....farms.....	9 258	10 317	-10.3
.....acres.....	625 047	746 547	-16.3
Wheat for grain.....farms.....	12 683	29 507	-57.0
.....acres.....	750 208	2 044 839	-63.3
Cotton.....farms.....	1 214	971	25.0
.....acres.....	197 598	144 947	36.3
Soybeans for beans.....farms.....	33 489	38 820	-13.7
.....acres.....	4 827 272	5 286 129	-8.7
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text).....farms.....	60 138	63 951	-6.0
.....acres.....	3 138 012	2 970 014	5.7

<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.