

1987

Census of Agriculture

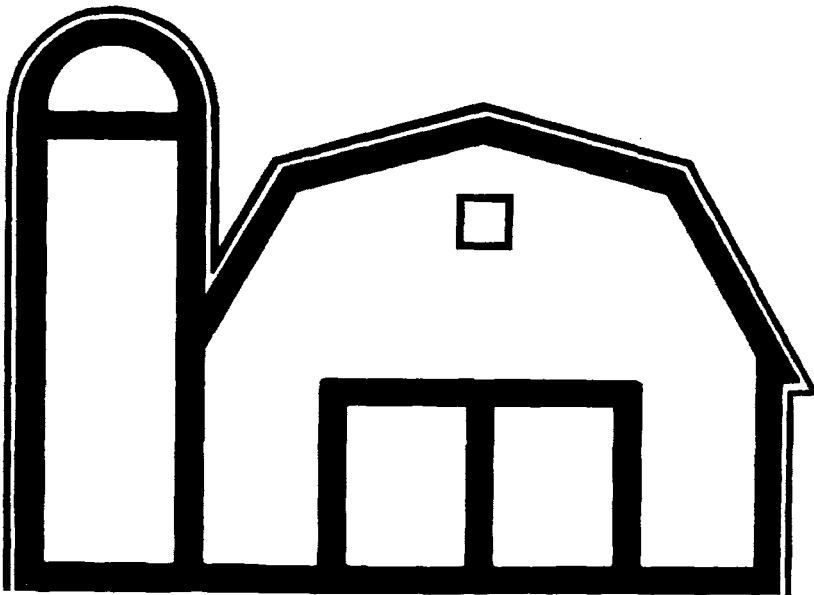
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Volume 1
GEOGRAPHIC AREA SERIES

Part 16

Kansas

State and County Data



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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Issued June 1989



U.S. Department of Commerce
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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..	68 579	73 315	-6.5
Land in farms..... acres..	46 628 519	47 052 213	-9
Average size of farm..... acres..	680	642	5.9
Value of land and buildings ¹ :			
Average per farm..... dollars..	278 047	384 197	-27.6
Average per acre..... dollars..	413	601	-31.3
Farms by size:			
1 to 9 acres.....	3 689	3 547	4.0
10 to 49 acres.....	6 222	6 837	-9.0
50 to 179 acres.....	15 510	16 720	-7.2
180 to 499 acres.....	16 705	18 693	-10.6
500 to 999 acres.....	12 093	13 600	-11.1
1,000 to 1,999 acres.....	9 304	9 428	-1.3
2,000 acres or more.....	5 056	4 490	12.6
Harvested cropland..... farms..	57 822	62 860	-8.0
..... acres..	17 729 394	20 186 974	-12.2
Irrigated land..... farms..	7 352	7 257	1.3
..... acres..	2 463 073	2 675 167	-7.9
Market value of agricultural products sold..... \$1,000..	6 476 669	6 190 861	4.6
Average per farm..... dollars..	94 441	84 442	11.8
Crops, including nursery and greenhouse crops..... \$1,000..	1 693 609	2 143 047	-21.0
Grains..... \$1,000..	1 550 403	2 009 729	-22.9
Cotton and cottonseed..... \$1,000..	186	-	-
Tobacco..... \$1,000..	80	77	4.7
Hay, silage, and field seeds..... \$1,000..	109 574	100 169	9.4
Vegetables, sweet corn, and melons..... \$1,000..	4 151	3 206	29.5
Fruits, nuts, and berries..... \$1,000..	1 693	1 398	21.1
Nursery and greenhouse crops..... \$1,000..	26 805	21 515	24.6
Other crops..... \$1,000..	716	6 954	-89.7
Livestock, poultry, and their products..... \$1,000..	4 783 060	4 047 815	18.2
Poultry and poultry products..... \$1,000..	25 284	25 755	-1.8
Dairy products..... \$1,000..	140 232	162 232	-13.6
Cattle and calves..... \$1,000..	4 305 335	3 516 670	22.4
Hogs and pigs..... \$1,000..	284 375	316 882	-10.3
Sheep, lambs, and wool..... \$1,000..	18 561	15 502	19.7
Other livestock and livestock products (see text)..... \$1,000..	9 273	10 773	-13.9
Farms by type of organization:			
Individual or family (sole proprietorship).....	60 202	64 313	-6.4
Partnership.....	5 889	6 702	-12.1
Corporation.....	2 100	1 876	11.9
Other—cooperative, estate or trust, institutional, etc.....	388	424	-8.5
Operators by principal occupation:			
Farming.....	42 607	47 293	-9.9
Other.....	25 972	26 022	-2
Operators by days worked off farm:			
Any.....	34 654	35 521	-2.4
200 days or more.....	21 677	21 306	1.7
Average age of operator..... years..	52.0	50.9	2.2
Total farm production expenses ¹ \$1,000..	5 516 518	(NA)	(NA)
Selected farm production expenses ¹ :			
Livestock and poultry purchased..... \$1,000..	2 426 149	1 900 272	27.7
Feed for livestock and poultry..... \$1,000..	887 270	920 415	-3.6
Commercial fertilizer ² \$1,000..	216 166	254 590	-15.1
Agricultural chemicals ² \$1,000..	125 003	94 957	31.6
Petroleum products..... \$1,000..	243 568	358 860	-32.1
Hired farm labor..... \$1,000..	226 075	153 404	47.4
Interest expense ³ \$1,000..	314 163	467 054	-32.7
Livestock and poultry inventory:			
Cattle and calves..... farms..	40 785	47 008	-13.2
..... number..	5 539 292	5 800 138	-4.5
Milk cows..... farms..	3 093	4 631	-33.2
..... number..	96 675	123 009	-21.4
Hogs and pigs..... farms..	6 768	9 241	-26.8
..... number..	1 516 878	1 708 770	-11.2
Chickens 3 months old or older..... farms..	4 206	6 044	-30.4
..... number..	2 094 610	2 093 245	.1
Selected crops harvested:			
Corn for grain or seed..... farms..	8 944	8 346	7.2
..... acres..	1 243 969	1 161 875	7.1
Corn for silage or green chop..... farms..	2 009	3 020	-33.5
..... acres..	109 230	154 307	-29.2
Sorghum for grain or seed..... farms..	32 492	26 908	20.8
..... acres..	3 399 564	3 187 148	6.7
Wheat for grain..... farms..	38 638	49 231	-21.5
..... acres..	8 679 588	11 664 008	-25.6
Oats for grain..... farms..	5 313	6 644	-20.0
..... acres..	128 091	168 982	-24.2
Soybeans for beans..... farms..	18 864	17 116	10.2
..... acres..	1 878 978	1 692 288	11.0
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)..... farms..	33 964	37 341	-9.0
..... acres..	2 254 082	2 233 631	.9

¹Data are based on a sample of farms.

²Data for 1987 include cost of custom applications.

³Data for 1982 do not include imputation for item nonresponse.