Volume 1

State and County Data

Part 36

Oklahoma

AC78-A-36

AGRICULTURAL STATISTICIAN
2800 N. Lincoln Blvd.
Oklahoma City, OK 73105

1978

CENSUS OF AGRICULTURE

U.S. Department of Commerce
BUREAU OF THE CENSUS

AGRICULTURAL STATISTICIAN
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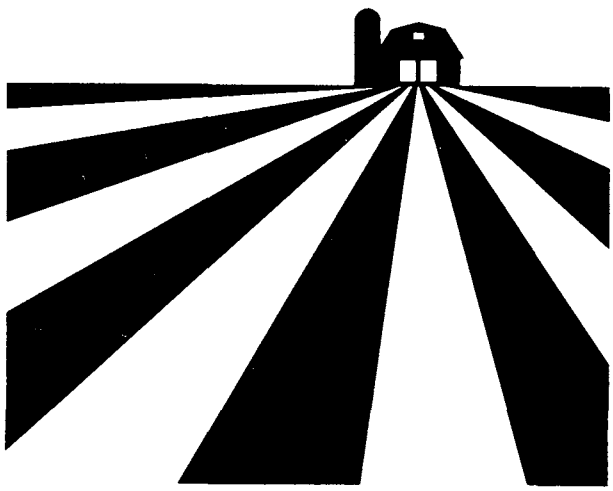
Volume 1
State and County Data



Part 36
Oklahoma

AC78-A-36

Issued May 1981

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[1] Not shown separately to avoid disclosing data for individual farms. However, the data for the county are included in the State totals.

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HISTORY

The census of agriculture provides a periodic statistical picture of the Nation's farming, ranching, and related activities. The 1978 Census of Agriculture is the 21st 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. From 1840 to 1950, an agriculture census was taken as part of the decennial census of population. A 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. Thereafter, the agriculture census will revert to a 5-year cycle.

AUTHORITY AND AREA COVERED

The census of agriculture is authorized under the provisions of title 13, United States Code. Section 142(a) provides for the census to be taken in 1979, in 1983, and in every fifth year after 1983. Section 191 provides that the census shall include each State, the District of Columbia, Puerto Rico, Guam, and the Virgin Islands. A census of agriculture will be conducted in American Samoa and the Northern Mariana Islands in conjunction with the 1980 Census of Population and Housing.

FARM DEFINITION

Since 1850, when minimum criteria defining a farm for census purposes were first established, the farm definition has been changed nine times, as the Nation has grown and changed. The current definition was announced on August 12, 1975, in accordance with a joint agreement between the U.S. Department of Agriculture, the Office of Management and Budget, and the Bureau of the Census. It defines a farm, for statistical purposes, as 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 county reports) counted as a farm 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.

METHOD OF ENUMERATION

Evaluation studies of the 1969 and 1974 censuses, which were conducted primarily by mail, indicated that the administrative lists used to create the census mailing list were not adequate to assure complete coverage in the census. Also, censuses prior to 1969, conducted by direct enumeration, had been found by evaluation studies (conducted since 1950) to be progressively less and less complete, as increased mobility of farm operators led to increases in the numbers of nonresident operators, operators farming on a part-time basis, and operators farming two or more separate tracts.

The 1978 Census of Agriculture was conducted primarily by mail for maximum economy, supplemented by a personal canvass of a statistical area segment sample for maximum completeness of coverage. The area segment sample, which consists of selected geographic areas completely canvassed by direct enumeration, provides reliable estimates for States of the number and characteristics of any farms not represented in the mail portion of the census. Estimates for such farms are an integral part of the State totals published for the 1978 census. The direct enumeration sample estimates are statistically reliable only for State totals and have not been allocated to counties. Appendix A provides a more detailed description of how the 1978 census was taken and includes a discussion of census coverage.

COMPARABILITY OF DATA

State totals for 1978 are not directly comparable with totals for 1974 or earlier censuses as they include data for farm operations represented on the mail list plus estimates from the direct enumeration sample for farms not represented on the mail list. The 1974 State level data include only operations represented on the mail list.

Coverage evaluation studies for the 1974 census indicated that 10.7 percent of all farms were not included in the census. Farms missed in the census were usually small and accounted for less than 3 percent of the total value of agricultural products sold and less than 6 percent of the land in farms. The proportion of farms missed in the 1974 census was generally higher in

States having a large proportion of small farms and urbanized areas having a sizable number of part-time farms. Farm counts for 1974, adjusted for the net undercount, are shown in appendix C.

County level data on acreages and inventories for 1978 and 1974 are generally comparable; however, improvements in the coverage of the 1978 census, especially of smaller farms, should be taken into consideration when comparing farm counts.

USE OF SAMPLING

Two types of sampling were used for data collection for the 1978 census. In addition to the State estimates from the direct enumeration sample discussed previously, data for items in sections 22 through 27 of the census report form were collected from only a sample of farms. Data based on a sample are subject to sampling error. Detailed discussions of the census report forms, the use of sampling, and estimates of sampling error are included in appendix A.

GRAPHICS

Several charts and maps presented on the following pages show selected agricultural statistics for this State. The items in the charts and the first four maps are presented for all States. The last four maps present data of particular importance to this State.

TABULAR PRESENTATION

State data—In chapter 1, State tables 1 through 28 show detailed State level data usually accompanied by historical data for one or more censuses. Tables 29 through 35 provide 1978 State data cross-tabulated by various farm classifications.

County summary data—Selected data items are presented by county in chapter 2. Tables 1 through 15 include general data such as land in farms, size of farms, land use, operator characteristics, expenses, and machinery and equipment. Inventory and sales data for livestock, poultry, and animal specialties are contained in tables 16 through 27 and detailed crop data in tables 28 through 35. Tables 36 through 43 present data on foreign ownership, income from customwork, direct sales to consumers, operators by racial group, and female operators.

Individual county data—Five pages of tables are presented in chapter 3 for each county with 10 farms or more in 1978. The tables include final data for each county and are more comprehensive than those in the preliminary reports. Data are provided for all farms and for farms with sales of $2,500 or more for both 1978 and 1974.

This chapter also includes a set of similar tables for the State as a whole and for those farms in the State not on the mailing list and not included in county tables.

PRELIMINARY REPORTS

Preliminary reports have been published separately for all counties in the United States with 10 farms or more in 1978, each State, the four geographic regions, and the United States. This series provided, at the earliest possible date, information on major data items, with comparable final data from the 1974 census. The data items were standard for each State and county except in table 3 where the selected crops varied by State according to their relative importance in the State. The State preliminary report also included a full set of tables providing data derived from the direct enumeration sample on the estimated number and characteristics of farms not included in county totals because they were not represented on the mailing list.

For major data items at the county level differences between the preliminary and final figures are in general less than 5 percent. At the State level, differences are significantly less.

CENSUS DISCLOSURE RULES

In keeping with the provisions of title 13, United States Code, data that would disclose the operations of an individual farm are not published. However, the number of farms in a given size category or other classification is not considered a disclosure. Appendix A presents additional information on disclosure rules.

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.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used throughout the tables:

- — Zero.
- (D) Data withheld to avoid disclosing information for individual farms.
- (X) Not applicable.
- (Z) Less than half of the unit reported.
- (NA) Not available.
- * Independent city.

Highlights of the State's Agriculture: 1978 and 1974

	All farms			Farms with sales of $2,500 or more		
	1978		1974[1]	1978		1974[1]
	Total	Not on mail list	Total	Total	Not on mail list	Total
Farms—number	79 388	7 151	69 719	58 639	2 599	47 793
Land in farms—acres	34 344 480	607 188	33 082 848	32 224 183	387 113	30 090 903
Average size of farm—acres	433	85	475	550	149	630
Harvested cropland—acres	8 703 435	118 424	8 989 832	8 493 566	91 159	8 802 199
Average per farm—acres	110	17	129	145	35	184
Farms by size:						
1 to 49 acres—number	14 945	4 302	8 265	5 815	1 207	2 402
50 to 499 acres—number	46 694	2 699	44 013	35 410	1 242	28 436
500 to 999 acres—number	10 149	111	10 247	9 896	111	9 859
1,000 acres or more—number	7 600	39	7 194	7 518	39	7 096
Value of land and buildings:[2]						
Average per farm—dollars	222 624	88 936	143 320	273 970	141 445	187 069
Average per acre—dollars	512	1 047	302	499	950	297
Value of machinery and equipment on farms[2]—$1,000	1 785 765	67 690	1 066 350	1 646 498	37 671	931 132
Average per farm—dollars	22 494	9 466	15 295	28 079	14 494	19 483
Value of agricultural products sold—$1,000	2 367 696	37 288	1 594 913	2 338 753	33 131	1 564 528
Average per farm—dollars	29 824	5 214	22 876	39 884	12 748	32 736
Crops sold—$1,000	623 094	5 357	670 301	618 807	4 999	666 226
Average per farm—dollars	7 849	749	9 614	10 553	1 923	13 940
Livestock and livestock products sold—$1,000	1 646 892	25 586	867 968	1 622 558	21 825	842 023
Average per farm—dollars	20 745	3 578	12 450	27 670	8 398	17 618
Poultry and poultry products sold—$1,000	97 710	6 345	55 911	97 389	6 307	55 607
Average per farm—dollars	1 231	887	802	1 661	2 427	1 163
Farms by value of agricultural products sold:						
Less than $2,500—number	20 702	4 552	23 360	–	–	1 479
$2,500 to $9,999—number	26 962	1 721	20 216	26 962	1 721	20 216
$10,000 to $39,999—number	20 395	713	17 117	20 395	713	17 117
$40,000 to $99,999—number	7 566	135	6 606	7 566	135	6 606
$100,000 to $199,999—number	2 398	30	1 695	2 398	30	1 695
$200,000 or more—number	1 318	–	680	1 318	–	680
Abnormal farms—number	47	(X)	45	(X)	(X)	(X)
Value of agricultural products sold by farms having sales of—						
Less than $2,500—$1,000	25 373	4 157	28 071	–	–	2 161
$2,500 to $9,999—$1,000	143 629	7 205	110 301	143 629	7 205	110 301
$10,000 to $39,999—$1,000	413 402	14 268	354 164	413 402	14 268	354 164
$40,000 to $99,999—$1,000	468 932	7 984	404 041	468 932	7 984	404 041
$100,000 to $199,999—$1,000	330 999	3 674	227 108	330 999	3 674	227 108
$200,000 or more—$1,000	981 791	–	466 754	981 791	–	466 754
Abnormal farms—$1,000	3 570	(X)	4 476	(X)	(X)	(X)
Farm production expenses for selected items:[2]						
Feed for livestock and poultry—$1,000	428 491	11 356	311 019	415 311	9 348	293 551
Seeds, bulbs, plants, and trees—$1,000	33 653	429	26 320	33 084	340	25 732
Commercial fertilizer—$1,000	114 683	1 171	86 881	112 232	969	84 677
Other agricultural chemicals—$1,000	33 703	281	12 209	32 939	257	11 961
Petroleum products—gasoline, diesel, etc.—$1,000	115 459	4 122	70 001	110 417	3 011	66 221
Hired farm labor—$1,000	80 776	694	53 428	77 728	412	51 289
Livestock and poultry inventory:						
Cattle and calves—number	5 038 012	97 620	4 943 568	4 785 287	59 177	4 458 428
Hogs and pigs—number	330 016	22 489	225 189	294 095	9 643	203 513
Sheep and lambs—number	102 341	2 124	105 649	91 434	729	97 180
Chickens 3 months old or older—number	3 442 698	61 003	2 351 832	3 318 527	14 018	2 236 227
Crops harvested:						
Sorghums for grain or seed—acres	519 391	3 146	470 023	513 153	1 546	464 993
bushels	18 103 683	110 180	16 017 147	17 981 639	87 300	15 896 378
Wheat for grain—acres	5 087 520	47 605	5 935 050	5 048 773	46 880	5 908 451
bushels	125 763 452	1 159 125	127 202 490	125 127 515	1 149 425	126 752 527
Cotton—acres	555 259	6 640	502 239	553 569	6 640	499 783
bales	339 216	2 506	302 685	338 380	2 506	301 496
Hay crops—acres	1 817 416	54 016	1 337 133	1 673 857	30 532	1 203 279
tons, dry	2 967 567	59 639	2 465 205	2 809 248	34 211	2 282 302

[1]Not fully comparable because of direct enumeration sample in 1978 totals; see text.
[2]1978 data are based on a sample of farms; see text.

OKLAHOMA

CIMARRON
TEXAS
BEAVER
HARPER
WOODS
ALFALFA
GRANT
KAY
OSAGE
WASHINGTON
NOWATA
CRAIG
OTTAWA
WOODWARD
MAJOR
GARFIELD
NOBLE
PAWNEE
ROGERS
MAYES
DELAWARE
ELLIS
DEWEY
BLAINE
KINGFISHER
LOGAN
PAYNE
CREEK
TULSA
WAGONER
CHEROKEE
ADAIR
ROGER MILLS
CUSTER
CANADIAN
OKLAHOMA
LINCOLN
OKMULGEE
MUSKOGEE
SEQUOYAH
OKFUSKEE
MC INTOSH
BECKHAM
WASHITA
CADDO
GRADY
CLEVELAND
POTTAWATOMIE
SEMINOLE
HUGHES
HASKELL
GREER
KIOWA
MC CLAIN
PITTSBURG
LATIMER
LE FLORE
HARMON
JACKSON
COMANCHE
GARVIN
PONTOTOC
COAL
TILLMAN
COTTON
STEPHENS
MURRAY
JOHNSTON
ATOKA
PUSHMATAHA
CARTER
JEFFERSON
MARSHALL
BRYAN
CHOCTAW
MC CURTAIN
LOVE
SCALE
0 10 20 30 40 50 MILES