

1987

Census of Agriculture

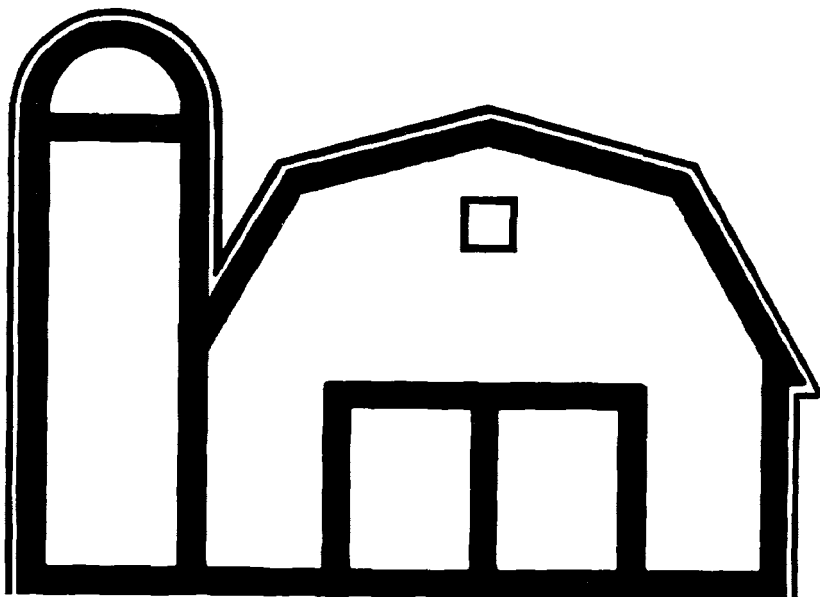
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Volume 1
GEOGRAPHIC AREA SERIES

Part 41

South Dakota

State and County Data



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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



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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.....	36 376	37 148	-2.1
Land in farms.....acres.....	44 157 503	43 810 988	.8
Average size of farm.....acres.....	1 214	1 179	3.0
Value of land and buildings ¹ :			
Average per farm.....dollars.....	326 333	418 940	-22.1
Average per acre.....dollars.....	269	348	-22.7
Farms by size:			
1 to 9 acres.....	1 881	1 919	-2.0
10 to 49 acres.....	2 638	2 105	25.3
50 to 179 acres.....	5 083	5 248	-3.1
180 to 499 acres.....	8 625	9 505	-9.3
500 to 999 acres.....	7 618	8 206	-7.2
1,000 to 1,999 acres.....	5 728	5 723	.1
2,000 acres or more.....	4 803	4 442	8.1
Harvested cropland.....farms.....	31 110	32 823	-5.2
acres.....	12 982 611	14 433 490	-10.1
Irrigated land.....farms.....	1 869	1 815	3.0
acres.....	361 796	376 447	-3.9
Market value of agricultural products sold.....\$1,000.....	2 719 498	2 478 111	9.7
Average per farm.....dollars.....	74 761	66 709	12.1
Crops, including nursery and greenhouse crops.....\$1,000.....	857 373	842 980	1.7
Grains.....\$1,000.....	780 325	780 908	-1.1
Cotton and cottonseed.....\$1,000.....	-	-	-
Tobacco.....\$1,000.....	-	-	-
Hay, silage, and field seeds.....\$1,000.....	58 759	48 967	20.0
Vegetables, sweet corn, and melons.....\$1,000.....	593	600	-1.2
Fruits, nuts, and berries.....\$1,000.....	128	38	238.7
Nursery and greenhouse crops.....\$1,000.....	7 875	7 990	-1.4
Other crops.....\$1,000.....	9 693	4 477	116.5
Livestock, poultry, and their products.....\$1,000.....	1 862 125	1 635 131	13.9
Poultry and poultry products.....\$1,000.....	35 638	27 768	28.3
Dairy products.....\$1,000.....	168 730	181 183	-6.9
Cattle and calves.....\$1,000.....	1 273 147	1 065 722	19.5
Hogs and pigs.....\$1,000.....	316 951	312 623	1.4
Sheep, lambs, and wool.....\$1,000.....	44 820	31 194	43.7
Other livestock and livestock products (see text).....\$1,000.....	22 839	16 640	37.3
Farms by type of organization:			
Individual or family (sole proprietorship).....	31 761	32 396	-2.0
Partnership.....	3 394	3 613	-6.1
Corporation.....	942	885	6.4
Other—cooperative, estate or trust, institutional, etc.....	279	254	9.8
Operators by principal occupation:			
Farming.....	28 407	30 267	-6.1
Other.....	7 969	6 881	15.8
Operators by days worked off farm:			
Any.....	13 553	12 941	4.7
200 days or more.....	6 641	5 616	18.3
Average age of operator.....years.....	49.7	48.6	2.3
Total farm production expenses ¹\$1,000.....	2 138 164	(NA)	(NA)
Selected farm production expenses ¹ :			
Livestock and poultry purchased.....\$1,000.....	519 803	446 010	16.5
Feed for livestock and poultry.....\$1,000.....	277 680	268 944	3.2
Commercial fertilizer ²\$1,000.....	96 748	79 742	21.3
Agricultural chemicals ²\$1,000.....	77 926	53 836	44.7
Petroleum products.....\$1,000.....	144 494	214 464	-32.6
Hired farm labor.....\$1,000.....	94 911	67 414	40.8
Interest expense ³\$1,000.....	200 864	296 609	-32.3
Livestock and poultry inventory:			
Cattle and calves.....farms.....	23 998	27 000	-11.1
number.....	3 630 200	3 925 131	-7.5
Milk cows.....farms.....	3 940	5 610	-29.8
number.....	137 020	158 180	-13.4
Hogs and pigs.....farms.....	7 906	9 336	-15.3
number.....	1 750 236	1 764 654	-8
Chickens 3 months old or older.....farms.....	2 173	3 311	-34.4
number.....	1 752 361	1 795 254	-2.4
Selected crops harvested:			
Corn for grain or seed.....farms.....	19 448	18 694	4.0
acres.....	2 573 567	2 583 209	-4
Corn for silage or green chop.....farms.....	6 960	11 145	-37.6
acres.....	374 158	685 580	-45.4
Wheat for grain.....farms.....	15 273	13 530	12.9
acres.....	3 229 384	3 332 487	-3.1
Barley for grain.....farms.....	7 911	5 105	55.0
acres.....	766 698	521 755	46.9
Oats for grain.....farms.....	13 558	19 743	-31.3
acres.....	919 997	1 807 860	-49.1
Sunflower seed.....farms.....	1 659	-	-
acres.....	262 847	-	-
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text).....farms.....	23 131	25 732	-10.1
acres.....	3 355 299	3 787 135	-11.4

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.