1982 Census of Agriculture

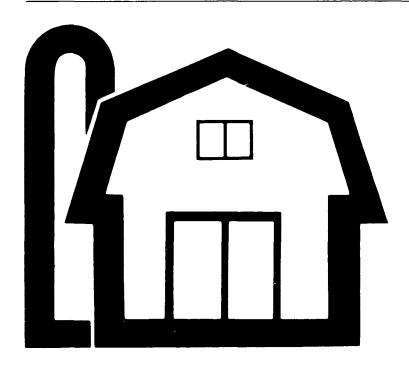
AC82-A-34

Volume 1 GEOGRAPHIC AREA SERIES

Part 34

North Dakota

State and County Data



The publications from the 1982 Economic and Agriculture Censuses are dedicated to the memory of Shirley Kallek, Associate Director for Economic Fields. During her career at the Bureau of the Census (1955 to 1983), she continually directed efforts to improve the timeliness and accuracy of economic statistics.

1982 Census of Agriculture

AC82-A-34

Volume 1 GEOGRAPHIC AREA SERIES

Part 34

North Dakota State and County Data

Issued June 1984



U.S. Department of Commerce

Malcolm Baldrige, Secretary
Clarence J. Brown, Deputy Secretary
Sidney Jones, Under Secretary for
Economic Affairs

BUREAU OF THE CENSUS John G. Keane, Director



BUREAU OF THE CENSUS John G. Keane, Director C.L. Kincannon, Deputy Director Charles A. Waite, Associate Director for Economic Fields Michael G. Farrell, Assistant Director for Economic and Agriculture Censuses

AGRICULTURE DIVISION John H. Berry, Chief

ACKNOWLEDGMENTS—Many persons participated in conducting the 1982 Census of Agriculture. Primary direction was by Shirley Kallek, Associate Director for Economic Fields (to May 1983), Charles A. Waite, her successor, and Michael G. Farrell, Assistant Director for Economic and Agriculture Censuses.

This report was prepared in the Agriculture Division under the general supervision of Orvin L. Wilhite, Chief (to January 1980); Arnold L. Bollenbacher, Chief (to June 1982); and John H. Berry, Chief (from July 1982).

Many divisions contributed to this report. Data Preparation performed the clerical processing; Administrative Services provided the forms design and other administrative services; Publications Services contributed in publication planning and design, editorial review, composition, and printing procurement; Computer Services provided the computer processing facilities; Field provided selected data collection activities; and Economic Surveys assisted in preparation of data collection and processing procedures and computer programs.

Members of the Census Advisory Committee on Agriculture Statistics and representatives of both public and private organizations made significant recommendations which helped establish data content.

Members of various agencies of the U.S. Department of Agriculture provided valuable advice in the planning, publicizing, and processing phases of the census, and in helping farmers and ranchers complete the report forms.

The press, farm magazines, radio and television stations, and farm organizations were most helpful in publicizing the census and encouraging cooperation of farm and ranch operators.

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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If you have any questions concerning the statistics in this report, call (301) 763-5230.

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HISTORY

The census of agriculture provides a periodic statistical picture of the Nation's farming, ranching, and related activities. The 1982 Census of Agriculture is the 22d 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 to coincide with the 1982 Economic Censuses covering manufacturing, mining, construction, retail trade, wholesale trade, service industries, and selected transportation activities. After 1982, the agriculture census will revert to a 5-year cycle and be taken covering years ending in 2 and 7.

USES OF THE CENSUS

The census of agriculture is the leading source of statistics about the Nation's agriculture and the only source of consistent, comparable data about agriculture 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 affecting agriculture 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 farm 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 the census be taken in 1979, in 1983, and in every fifth year after 1983 covering the prior year. The 1982 census includes each State, Puerto Rico, Guam, and the Virgin Islands of the United States.

FARM DEFINITION

Since 1850, when minimum criteria defining a farm for census purposes were first established, the farm definition has been changed nine times. The current definition, first used for the 1974 final reports, is 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 reports) was 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.

COMPARABILITY OF DATA

All censuses since 1969 were conducted primarily by mail. To improve the coverage of the 1978 census, especially in counting the number of small farms, the mailout/mailback enumeration was supplemented by the direct enumeration of all households in approximately 6,400 sample segments in rural areas in all States, except Alaska and Hawaii. Due to budget reductions, the direct enumeration area sample was eliminated for 1982.

The U.S., region, and State data for 1978 shown in the 1978 Census of Agriculture publications included data for farms represented on the mail list plus estimates from the area sample for farms not on the mail list. The 1978 county data included only farms represented on the mail list as the sample was not large enough to provide reliable estimates for each county.

To provide comparable data for 1982 and 1978, estimates from the 1978 area sample have been subtracted from the 1978 data. Thus, the 1978 data in this report include only farms represented on the mail list. Appendix B includes a detailed discussion of the effect of the area sample on census comparability.

In general, data for 1982, 1978, and 1974 are not fully comparable with data for 1969 and earlier censuses due to changes in the farm definition. Data on acreages and inventories for 1982 and 1978 are generally comparable. Dollar figures shown for expenses and agricultural product sales have not been adjusted for changes in price levels between census years.

TABULAR PRESENTATION

State data-In chapter 1, State tables 1 through 43 show detailed State level data usually accompanied by historical data for one or more past censuses. Tables 44 through 50 provide 1982 State data cross-tabulated by various farm classifications.

County data-Selected data items are presented by county in chapter 2. Tables 1 through 16 include general data for all counties. The counties are listed in alphabetical order in the column headings. In tables 17 through 36, only counties reporting the data item are included in the table stub. Counties not having the item, or with a limited number of farms reporting the item, are not listed separately. Data for these counties are combined and presented as "all other counties."

PRELIMINARY REPORTS

Preliminary reports have been published separately for each county with 10 farms or more in 1982, each State, and the United States. This series provided, at the earliest possible date, information on major data items together with comparable final data from the 1978 census. The data items were standard except in tables 4 and 5 where the selected crops varied by State according to their relative importance.

For farms, land in farms, livestock inventories, and other major items at the county level, differences between the preliminary and final figures are generally less than 5 percent. At the State level, differences are significantly less.

MICROFICHE AND COMPUTER TAPES

The data in this report and final data for individual counties are available on microfiche. The final microfiche county tables have the same format as the county preliminary report. Also, computer tapes are available for the same summary statistics that are found in the preliminary and volume 1 reports. Microfiche reports are sold by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Computer tapes are sold by the Customer Services Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

UNPUBLISHED DATA

Copies of computer printouts of the following unpublished county summary tables are available:

Land in Farms With Cropland Harvested and Land in Farms and Cropland Harvested on Irrigated Farms, by Size of Farm: 1982

Owned and Rented Land-Farms, Land in Farms, and

Value of Land and Buildings: 1982 Farms With Grazing Permits: 1982

Other special unpublished tables and summaries on computer tape can be developed to individual user specifications. Inquiries about the availability and cost of unpublished 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 is not considered a disclosure, so this information may be given even though other information is withheld.

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.

INVENTORIES, PRODUCTION, AND SALES DATA

Inventories of livestock, poultry, and machinery and equipment are 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.

(X) Not applicable.

(Z) Less than half of the unit shown.

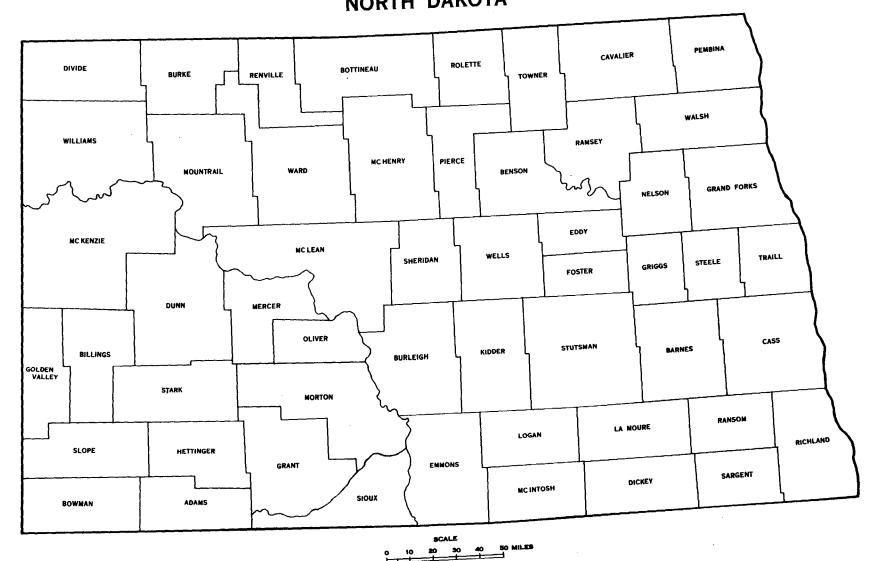
(NA) Not available.

Independent city. (IC)

cwt. Hundredweight.

sq. ft. Square feet.

NORTH DAKOTA



U. S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

Highlights of the State's Agriculture: 1982 and 1978

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

		All farms		Farm	s with sales of \$10, or more	,000
item	1982	1978	Percent change from 1978 to 1982	1982	1978	Percen change fron 1978 to 1982
Farmsnumber Land in farmsacres_ Average size of farmacres_	36 431	40 357	-9.7	29 890	32 325	-7.!
	40 206 005	41 702 370	-3.6	37 266 031	38 168 036	-2.
	1 104	1 033	6.9	1 247	1 181	5.0
Value of land and buildings¹: Average per farm	486 939	360 902	34.9	557 127	421 036	32.3
	439	347	26.5	447	355	25.9
Farms by size: 1 to 9 acres 10 to 49 acres 50 to 179 acres 180 to 499 acres 500 to 999 acres 1,000 to 1,999 acres 2,000 acres or more	1 121 1 140 3 178 6 577 9 756 10 042 4 617	1 048 902 3 564 7 901 11 774 11 133 4 035	7.0 26.4 -10.8 -16.8 -17.1 -9.8 14.4	327 158 961 4 843 9 148 9 886 4 567	321 122 806 5 235 10 911 10 939 3 991	1.9 29.9 19.2 -7.5 -16.2 -9.6
Harvested cropland	34 031	38 388	-11.3	29 291	31 725	-7.7
	20 308 135	18 978 609	7.0	19 863 907	18 200 384	9.1
Irrigated land	762	792	-3.8	691	709	-2.5
	162 643	141 434	15.0	160 234	137 676	16.4
	2 294 326	1 784 315	28.6	2 263 209	1 742 270	29.9
	31 570	36 665	-13.9	27 972	30 823	-9.2
	1 759 871	1 288 731	36.6	1 742 423	1 260 811	38.2
	20 703	23 192	-10.7	17 114	19 337	-11.5
	534 455	495 583	7.8	520 785	481 459	8.2
Farms by standard industrial classification: Cash grains (011) Field crops, except cash grains (013) Vegetables and melons (016) Fruits and tree nuts (017) Horticultural specialties (018) General farms, primarily crop (019) Livestock, except dairy, poultry, and animal specialties (021) Dairy farms (024) Poultry and eggs (025) Animal specialties (027) General farms, primarily livestock (029)	24 286 1 058 26 11 66 469 7 717 1 520 108 477 693	25 379 1 744 25 8 91 1 373 9 147 1 386 93 267 844	-4.3 -39.3 4.0 37.5 -27.5 -65.8 -15.6 9.7 16.1 78.7 -17.9	21 644 698 7 1 41 258 5 060 1 485 52 126 518	21 061 1 213 4 2 40 1 216 6 523 1 342 54 95 775	2.8 -42.5 75.0 -50.0 2.5 -78.8 -22.4 10.7 -3.7 32.6 -33.2
Farms by type of organization: Individual or family————————————————————————————————————	31 742	35 328	-10.2	25 910	28 197	-8.1
	4 338	4 769	-9.0	3 714	3 953	-6.0
	185	131	41.2	179	120	49.2
	166	129	28.7	87	55	58.2
Tenure of operator: Full owners Part owners Tenants	12 428	13 779	-9.8	8 381	9 189	-8.8
	17 769	19 713	-9.9	16 705	18 365	9.0
	6 234	6 865	-9.2	4 804	4 771	7.
Operators by principal occupation: FarmingOther	30 592	34 086	-10.3	27 277	29 739	-8.3
	5 839	6 271	-6.9	2 613	2 586	1.0
Selected farm production expenses¹: \$1,000. Feed for livestock and poultry \$1,000. Commercial fertilizer \$1,000. Other agricultural chemicals² \$1,000. Energy and petroleum products \$1,000. Hired farm labor \$1,000.	72 876	61 321	18.8	70 410	58 931	19.5
	159 111	150 712	5.6	158 014	147 262	7.3
	116 882	70 412	66.0	115 412	68 184	69.3
	285 435	159 034	79.5	278 077	151 105	84.0
	76 864	70 743	8.7	75 851	69 153	9.7
Livestock and poultry inventory: farms. Cattle and calves	18 548	20 733	-10.5	15 597	17 545	-11.1
	1 886 961	1 893 212	3	1 800 266	1 799 307	.1
	3 689	4 724	-21.9	3 346	4 206	-20.4
	102 660	101 166	1.5	101 264	98 896	2.4
	2 506	3 818	-34.4	2 135	3 239	-34.1
	260 160	328 025	-20.7	251 719	312 114	-19.4
	2 542	3 711	-31.5	1 947	2 961	-34.2
	429 469	520 842	-17.5	399 019	476 723	-16.3
Crops harvested: Com for grain or seed	3 325 522 122 4 471 306 970 29 277 9 818 946	2 489 298 245 4 454 272 955 34 170 9 561 795	33.6 75.1 .4 12.5 -14.3 2.7	3 209 518 307 4 347 302 764 26 666 9 622 126	2 326 293 106 4 295 267 039 29 394 9 132 066	38.0 76.8 1.2 13.4 -9.3
Barley for grain farms Oats for grain acres Sunflower seed farms acres	12 271	16 929	-27.5	11 734	15 581	-24.7
	1 808 815	2 396 811	-24.5	1 789 672	2 334 281	-23.3
	12 987	15 523	-16.3	11 976	13 905	-13.9
	963 922	1 076 412	-10.5	930 423	1 020 396	-8.8
	11 703	6 554	78.6	11 303	6 229	81.5
	3 115 317	1 624 229	91.8	3 091 841	1 603 404	92.8
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	19 094	22 815	-16.3	16 522	19 534	-15.4
	2 654 859	2 998 651	-11.5	2 503 926	2 815 436	-11.1

¹Data are based on a sample of farms. ²Data for 1978 include the cost of lime which was not collected in 1982.