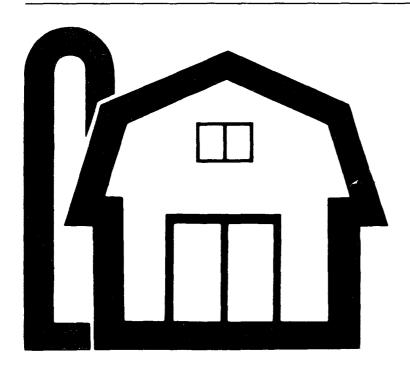
## 1982 Census of Agriculture

AC82-A-23

Volume 1 GEOGRAPHIC AREA SERIES

Part 23

# Minnesota 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-23

Volume I GEOGRAPHIC AREA SERIES

Part 23

### Minnesota 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



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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 http://doi.org/1082)

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.

#### Library of Congress Cataloging in Publication Data

Main entry under title:

1982 census of agriculture.

"October 1983." Includes indexes.

Supt. of Docs. no.: C3.31/4:982/v.1/pt.

1. Agriculture-United States-Statistics. 1. United

States. Bureau of the Census.

HD1769.A14 1983

338.1′0973

83-600308

For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

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

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#### INTRODUCTION

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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.

Withheld to avoid disclosing data for (D) individual farms.

(X) Not applicable.

Less than half of the unit shown. (Z)

(NA) Not available.

(IC) Independent city.

Hundredweight. cwt.

Square feet. sq.ft.

#### **MINNESOTA**



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]

Dollar rigures are in current dollars with no adjustment for price changes. For meaning	All farms			Farms with sales of \$10,000 or more		
ltem	1982	1978	Percent change from 1978 to 1982	1982	1978	Percent change from 1978 to 1982
Farms	94 382	98 671	-4.3	66 966	67 765	-1.2
	27 708 456	28 459 790	-2.6	25 034 999	24 892 509	.6
	294	288	2.1	374	367	1.9
Value of land and buildings1:  Average per farmdollars Average per acredollars	342 593	261 096	31.2	444 911	344 263	29.2
	1 165	898	29.7	1 188	934	27.2
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	4 547	3 472	31.0	1 686	1 246	35.3
	10 461	8 775	19.2	2 003	1 420	41.1
	29 258	32 267	-9.3	17 103	16 596	3.1
	35 897	40 461	-11.3	32 202	35 143	-8.4
	10 602	10 593	.1	10 383	10 286	.9
	2 935	2 529	16.1	2 912	2 507	16.2
	682	574	18.8	677	567	19.4
Harvested cropland farms acres	85 948	92 257	-6.8	64 071	65 604	-2.3
	19 722 645	19 122 640	3.1	18 818 305	17 755 236	6.0
Irrigated land farms acres.  Market value of agricultural products sold \$1,000\$.  Crops, including nursery and greenhouse products farms. \$1,000\$.  Livestock, poultry, and their products \$1,000\$.  \$1,000\$.	2 172	2 031	6.9	1 866	1 685	10.7
	315 376	271 704	16.1	312 643	266 134	17.5
	5 939 629	4 523 148	31.3	5 837 695	4 397 238	32.8
	67 566	77 779	-13.1	53 016	57 306	-7.5
	2 671 482	2 075 014	28.7	2 622 438	2 008 616	30.6
	65 014	68 237	-4.7	48 189	49 933	-3.5
	3 268 146	2 448 134	33.5	3 215 258	2 388 622	34.6
Farms by standard industrial classification:	3 200 140	2 446 134	33.5	3 2 15 250	2 300 022	34.0
Cash grains (011) Field crops, except cash grains (013) Vegetables and melons (016) Fruits and tree nuts (017) Horticultural speciatities (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)	36 190	39 682	-8.8	28 439	28 505	2
	4 406	4 790	-8.0	1 492	1 403	6.3
	612	603	1.5	326	285	14.4
	268	243	10.3	76	67	13.4
	452	517	-12.6	310	316	-1.9
	2 059	2 480	-17.0	8831	932	-10.8
	26 233	26 666	-1.6	14 471	15 398	-6.0
	18 618	17 775	4.7	17 880	16 719	6.9
	1 199	1 253	-4.3	768	836	-8.1
	1 822	1 148	58.7	362	305	18.7
	2 523	3 514	-28.2	2 011	2 999	-32.9
Farms by type of organization: Individual or family	83 010	87 652	-5.3	57 481	58 993	-2.6
	9 530	9 458	.8	7 875	7 377	6.8
	1 582	1 396	13.3	1 471	1 324	11.1
	260	165	57.6	139	71	95.8
Tenure of operator: Full owners	51 319	54 474	-5.8	29 981	30 547	-1.9
	31 433	32 307	-2.7	27 595	28 163	-2.0
	11 630	11 890	-2.2	9 390	9 055	3.7
Operators by principal occupation: FarmingOther	67 742	71 086	-4.7	58 537	59 918	-2.3
	26 640	27 585	-3.4	8 429	7 847	7.4
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_	711 701	496 206	43.4	696 453	481 484	44.6
	374 854	317 597	18.0	367 425	306 809	19.8
	224 044	123 394	81.6	220 006	119 247	84.5
	533 461	276 628	92.8	509 964	256 027	99.2
	207 615	158 571	30.9	202 422	152 311	32.9
Livestock and poultry inventory:  Cattle and calves	51 589	54 088	-4.6	37 958	39 714	-4.4
	3 377 956	3 271 602	3.3	3 132 977	3 016 739	3.9
	24 178	25 911	-6.7	22 262	22 955	-3.0
Hogs and pigs farms_ Chickens 3 months old or older number	839 302	766 494	9.5	826 629	747 470	10.6
	20 813	25 703	-19.0	17 621	20 713	-14.9
	4 473 181	4 089 987	9.4	4 394 350	3 940 816	11.5
	6 468	8 555	-24.4	3 505	4 909	-28.6
	12 928 376	11 697 301	10.5	12 761 585	11 406 241	11.9
Crops harvested: Corn for grain or seed						
Wheat for grain acres.  Barley for grain farms_ acres. acres. acres.	57 612	62 696	-8.1	50 327	52 030	-3.3
	5 904 579	5 777 316	2.2	5 770 117	5 535 423	4.2
	21 070	23 577	-10.6	18 820	19 717	-4.5
	2 972 376	2 479 152	19.9	2 900 538	2 354 831	23.2
	7 037	9 412	-25.2	6 362	7 853	-19.0
	827 093	960 378	-13.9	807 923	912 438	-11.5
Oats for grain farms_	38 907	47 103	-17.4	32 490	36 772	-11.6
acres_   Sunflower seed	1 290 191 2 747 467 408 38 867	1 665 246 3 020 598 062 39 129	-22.5 -9.0 -21.8 7	1 157 540 2 633 463 090 35 050	1 416 135 2 845 590 848 34 131	-18.3 -7.5 -21.6 2.7 22.3
acres Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	4 501 543 53 227	3 730 704   59 708	20.7 -10.9	4 407 970 38 155	3 604 060 41 593	-8.3
acres	2 504 795	2 712 400	-7.7	2 090 249	2 188 815	-4.5

<sup>&</sup>lt;sup>1</sup>Data are based on a sample of farms.
<sup>2</sup>Data for 1978 include the cost of lime which was not collected in 1982.