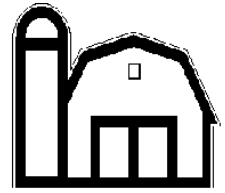


1992

Census of Agriculture



AC92-A-23

Volume 1
GEOGRAPHIC AREA SERIES

Part 23

Minnesota

State and County Data



U.S. Department of Commerce
Economics and Statistics Administration
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.

If you have any questions concerning the statistics in this report, call:

301-763-8555 Division Chief

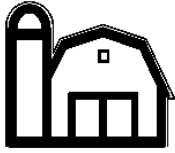
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Introduction

HISTORY

The 1992 Census of Agriculture is the 24th 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 1992 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 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 its farm definition.

COMPARABILITY OF DATA

Data on acreages and inventories for 1992 and 1987 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.

TABULAR PRESENTATION

State data. Tables 1 through 45 in chapter 1 show detailed State-level data usually accompanied by historical data for one or more past censuses. Tables 46 through 52 provide 1992 State data cross-tabulated by various farm classifications.

County data. Chapter 2 presents selected data items by county. Tables 1 through 17 include general data for all counties. The counties are listed in alphabetical order in the column headings. Tables 18 through 39 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."

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, DC 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 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.
(H)	Standard error or relative standard error of estimate is greater than or equal to 99.95 percent.
(IC)	Independent city.
(L)	Standard error or relative standard error of estimate is less than .05 percent.
(NA)	Not available.
(S)	Withheld because estimate did not meet publication standards on the basis of either the response rate or a consistency review.
(X)	Not applicable.
(Z)	Less than half of the unit shown.
cwt	Hundredweight.
sq ft	Square feet.

A. Highlights of the State's Agriculture: 1992 and 1987

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

Item	All farms			Percent change from 1987 to 1992
	1992		1987	
Farms ----- number	75 079		85 079	-11.8
Land in farms ----- acres	25 666 944		26 573 819	-3.4
Average size of farm ----- acres	342		312	9.6
Estimated market value of land and buildings ¹ :				
Average per farm ----- dollars	310 612		218 808	42.0
Average per acre ----- dollars	910		700	30.0
Estimated market value of all machinery and equipment ¹ :				
Average per farm ----- dollars	69 859		55 741	25.3
Farms by size:				
1 to 9 acres ----- farms	3 517		4 613	-23.8
10 to 49 acres ----- farms	8 927		9 481	-5.8
50 to 179 acres ----- farms	20 967		24 947	-16.0
180 to 499 acres ----- farms	26 395		30 963	-14.8
500 to 999 acres ----- farms	10 497		10 814	-2.9
1,000 to 1,999 acres ----- farms	3 913		3 619	8.1
2,000 acres or more ----- farms	863		642	34.4
Total cropland ----- farms	69 866		79 461	-12.1
Harvested cropland ----- acres	21 387 063		21 876 066	-2.2
Irrigated land ----- farms	66 549		76 537	-13.0
----- acres	18 201 061		16 635 264	9.4
Market value of agricultural products sold ----- \$1,000	6 477 004		5 676 376	14.1
Average per farm ----- dollars	86 269		66 719	29.3
Crops, including nursery and greenhouse crops ----- \$1,000	3 054 747		2 500 827	22.1
Livestock, poultry, and their products ----- \$1,000	3 422 257		3 175 549	7.8
Farms by value of sales:				
Less than \$2,500 ----- farms	9 725		11 915	-18.4
\$2,500 to \$4,999 ----- farms	5 387		6 509	-17.2
\$5,000 to \$9,999 ----- farms	7 028		8 293	-15.3
\$10,000 to \$24,999 ----- farms	11 187		13 588	-17.7
\$25,000 to \$49,999 ----- farms	10 168		12 983	-21.7
\$50,000 to \$99,999 ----- farms	12 482		15 385	-18.9
\$100,000 to \$249,999 ----- farms	13 958		12 830	8.8
\$250,000 to \$499,999 ----- farms	3 816		2 716	40.5
\$500,000 or more ----- farms	1 328		860	54.4
Total farm production expenses ¹ ----- \$1,000	5 244 708		4 427 445	18.5
Average per farm ----- dollars	69 860		52 040	34.2
Net cash return from agricultural sales for the farm unit (see text) ¹ ----- farms	75 075		85 078	-11.8
----- \$1,000	1 216 890		1 233 896	-1.4
Average per farm ----- dollars	16 209		14 503	11.8
Operators by principal occupation:				
Farming ----- farms	51 021		58 519	-12.8
Other ----- farms	24 058		26 560	-9.4
Operators by days worked off farm:				
Any ----- farms	33 932		39 567	-14.2
200 days or more ----- farms	19 826		22 006	-9.9
Livestock and poultry:				
Cattle and calves inventory ----- farms	34 501		40 222	-14.2
----- number	2 543 373		2 700 095	-5.8
Beef cows ----- farms	15 101		15 528	-2.7
----- number	381 869		360 153	6.0
Milk cows ----- farms	13 380		17 454	-23.3
----- number	609 034		709 832	-14.2
Cattle and calves sold ----- farms	33 852		39 972	-15.3
----- number	1 388 581		1 474 577	-5.8
Hogs and pigs inventory ----- farms	13 125		16 042	-18.2
----- number	4 668 590		4 236 500	10.2
Hogs and pigs sold ----- farms	13 749		16 652	-17.4
----- number	9 141 699		8 073 029	13.2
Sheep and lambs inventory ----- farms	3 451		4 250	-18.8
----- number	221 777		241 603	-8.2
Chickens 3 months old or older inventory ----- farms	2 310		4 003	-42.3
----- number	14 324 989		12 124 965	18.1
Broilers and other meat-type chickens sold ----- farms	679		1 000	-32.1
----- number	36 828 542		27 356 247	34.6
Selected crops harvested:				
Corn for grain or seed ----- farms	42 961		51 355	-16.3
----- acres	6 123 731		4 756 348	28.7
Wheat for grain ----- bushels	669 550 546		567 384 166	18.0
----- farms	12 753		20 238	-37.0
Barley for grain ----- farms	2 609 161		2 444 294	6.7
----- bushels	126 255 763		97 967 169	28.9
Oats for grain ----- farms	5 216		8 412	-38.0
----- acres	592 914		807 374	-26.6
Sunflower seed ----- farms	42 514 551		44 734 800	-5.0
----- bushels	16 658		25 984	-35.9
Soybeans for beans ----- farms	465 846		730 864	-36.3
----- bushels	29 142 473		39 554 088	-26.3
----- farms	1 131		683	65.6
----- acres	202 025		82 278	145.5
Hay ----- pounds	278 550 934		117 623 254	136.8
----- farms	33 581		36 348	-7.6
----- acres	5 078 066		4 384 981	15.8
----- bushels	162 137 215		166 025 760	-2.3
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) ----- farms	38 336		46 531	-17.6
----- acres	2 098 145		2 418 800	-13.3
----- tons, dry	5 082 391		5 920 884	-14.2

¹Data are based on a sample of farms.

B. Highlights of the State's Agriculture: 1992 and 1987 (Metric Measurement)

[1 acre = 0.4047 hectare. For further metric conversions, see metric conversion table in appendix E. Dollar figures are in current dollars with no adjustment for price changes. For meaning of abbreviations and symbols, see introductory text]

Item	All farms		
	1992	1987	Percent change from 1987 to 1992
Farms number	75 079	85 079	-11.8
Land in farms hectares	10 387 412	10 754 425	-3.4
Average size of farm hectares	138	126	9.5
Estimated market value of land and buildings ¹ :			
Average per farm dollars	310 612	218 808	42.0
Average per hectare dollars	910	700	30.0
Estimated market value of all machinery and equipment ¹ :			
Average per farm dollars	69 859	55 741	25.3
Farms by size:			
.01 to 3.84 hectares	3 517	4 613	-23.8
3.85 to 20.04 hectares	8 927	9 481	-5.8
20.05 to 72.67 hectares	20 967	24 947	-16.0
72.68 to 202.22 hectares	26 395	30 963	-14.8
202.23 to 404.65 hectares	10 497	10 814	-2.9
404.66 to 809.51 hectares	3 913	3 619	8.1
809.52 hectares or more	863	642	34.4
Total cropland farms	69 866	79 461	-12.1
..... hectares	8 655 344	8 853 244	-2.2
Harvested cropland farms	66 549	76 537	-13.0
..... hectares	7 365 969	6 732 291	9.4
Irrigated land farms	2 368	2 425	-2.4
..... hectares	149 902	143 063	4.8
Market value of agricultural products sold \$1,000	6 477 004	5 676 376	14.1
Average per farm dollars	86 269	66 719	29.3
Crops, including nursery and greenhouse crops \$1,000	3 054 747	2 500 827	22.1
Livestock, poultry, and their products \$1,000	3 422 257	3 175 549	7.8
Farms by value of sales:			
Less than \$2,500	9 725	11 915	-18.4
\$2,500 to \$4,999	5 387	6 509	-17.2
\$5,000 to \$9,999	7 028	8 293	-15.3
\$10,000 to \$24,999	11 187	13 588	-17.7
\$25,000 to \$49,999	10 168	12 983	-21.7
\$50,000 to \$99,999	12 482	15 385	-18.9
\$100,000 to \$249,999	13 958	12 830	8.8
\$250,000 to \$499,999	3 816	2 716	40.5
\$500,000 or more	1 328	860	54.4
Total farm production expenses ¹ \$1,000	5 244 708	4 427 445	18.5
Average per farm dollars	69 860	52 040	34.2
Net cash return from agricultural sales for the farm unit (see text) ¹ farms	75 075	85 078	-11.8
..... \$1,000	1 216 890	1 233 896	-1.4
Average per farm dollars	16 209	14 503	11.8
Operators by principal occupation:			
Farming	51 021	58 519	-12.8
Other	24 058	26 560	-9.4
Operators by days worked off farm:			
Any	33 932	39 567	-14.2
200 days or more	19 826	22 006	-9.9
Livestock and poultry:			
Cattle and calves inventory farms	34 501	40 222	-14.2
..... number	2 543 373	2 700 095	-5.8
Beef cows farms	15 101	15 528	-2.7
..... number	381 869	360 153	6.0
Milk cows farms	13 380	17 454	-23.3
..... number	609 034	709 832	-14.2
Cattle and calves sold farms	33 852	39 972	-15.3
..... number	1 388 581	1 474 577	-5.8
Hogs and pigs inventory farms	13 125	16 042	-18.2
..... number	4 668 590	4 236 500	10.2
Hogs and pigs sold farms	13 749	16 652	-17.4
..... number	9 141 699	8 073 029	13.2
Sheep and lambs inventory farms	3 451	4 250	-18.8
..... number	221 777	241 603	-8.2
Chickens 3 months old or older inventory farms	2 310	4 003	-42.3
..... number	14 324 989	12 124 965	18.1
Broilers and other meat-type chickens sold farms	679	1 000	-32.1
..... number	36 828 542	27 356 247	34.6
Selected crops harvested:			
Corn for grain or seed farms	42 961	51 355	-16.3
..... hectares	2 478 274	1 924 894	28.7
..... metric tons	17 007 374	14 412 227	18.0
Wheat for grain farms	12 753	20 238	-37.0
..... hectares	1 055 927	989 206	6.7
..... metric tons	3 436 120	2 666 230	28.9
Barley for grain farms	5 216	8 412	-38.0
..... hectares	239 952	326 744	-26.6
..... metric tons	925 646	973 986	-5.0
Oats for grain farms	16 658	25 984	-35.9
..... hectares	188 528	295 781	-36.3
..... metric tons	423 002	574 126	-26.3
Sunflower seed farms	1 131	66	1 613.6
..... hectares	81 760	33 298	145.5
..... metric tons	126 349	53 353	136.8
Soybeans for beans farms	33 581	36 348	-7.6
..... hectares	2 055 093	1 774 602	15.8
..... metric tons	4 412 653	4 518 482	-2.3
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) farms	38 336	46 531	-17.6
..... hectares	849 119	978 888	-13.3
..... metric tons	4 610 669	5 371 337	-14.2

¹Data are based on a sample of farms.