

1982

Census of Agriculture

AC82-A-15

Volume 1
GEOGRAPHIC AREA SERIES

Part 15

Iowa

State and County Data



U.S. Department of Commerce
BUREAU OF THE CENSUS

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.

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Issued May 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,
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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 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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*Not applicable.

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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

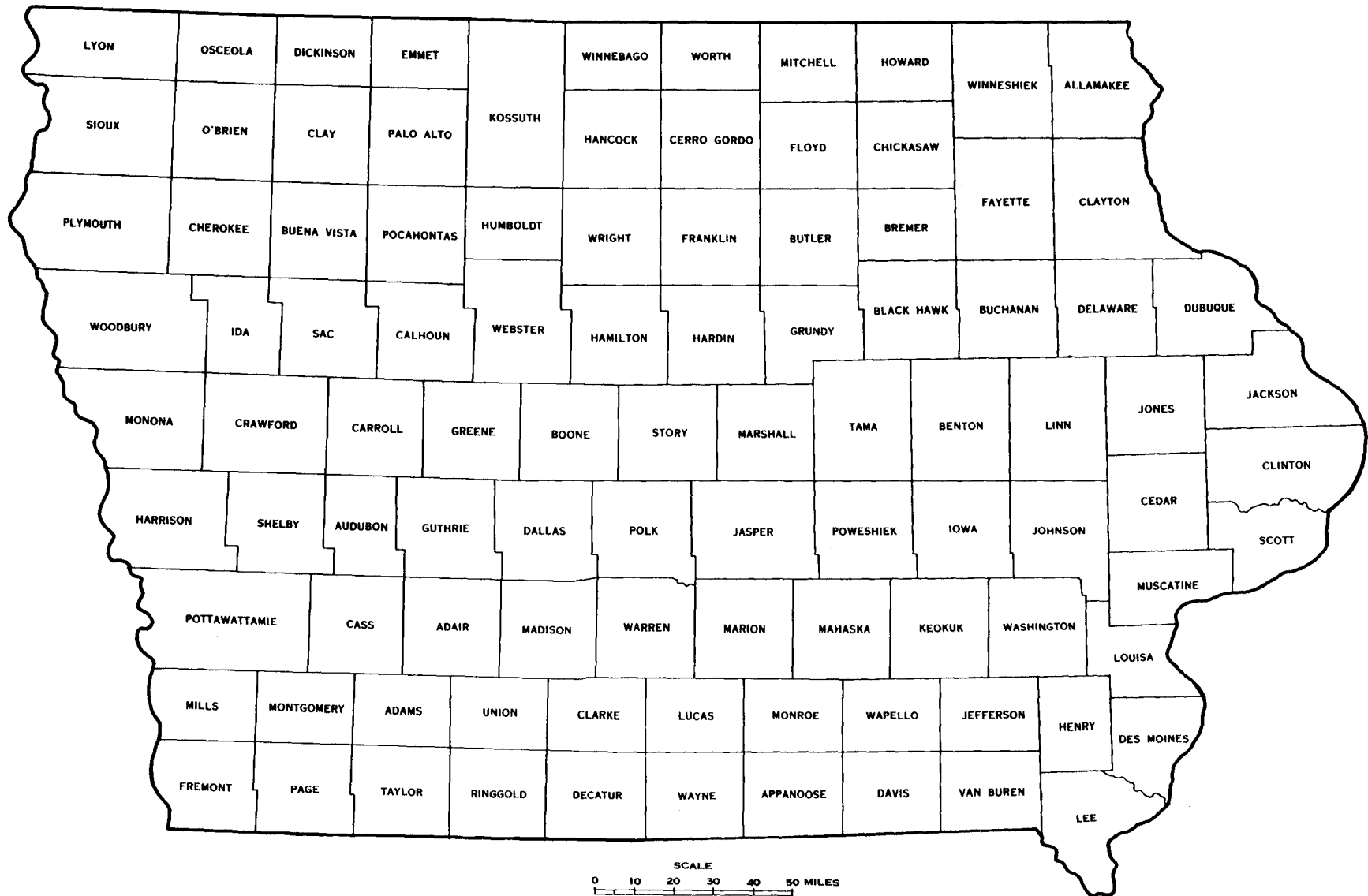
Inventories of livestock, poultry, and machinery and equipment are as of December 31 of the census year. Crop and livestock production, sales, and expense data are for the calendar year, except for a few crops (such as citrus) for which the production year overlaps the calendar year.

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.
(IC)	Independent city.
cwt.	Hundredweight.
sq. ft.	Square feet.

IOWA



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]

Item	All farms			Farms with sales of \$10,000 or more		
	1982	1978	Percent change from 1978 to 1982	1982	1978	Percent change from 1978 to 1982
Farms.....number.....	115 413	121 339	-4.9	93 512	98 407	-5.0
Land in farms.....acres.....	32 611 964	33 258 233	-1.9	31 386 294	31 779 370	-1.2
Average size of farm.....acres.....	283	274	3.3	336	323	4.0
Value of land and buildings ¹ :						
Average per farm.....dollars.....	471 011	431 827	9.1	559 108	501 603	11.5
Average per acre.....dollars.....	1 684	1 564	7.7	1 686	1 554	8.5
Farms by size:						
1 to 9 acres.....	7 910	6 610	19.7	3 382	2 603	29.9
10 to 49 acres.....	12 322	11 342	8.6	3 003	2 613	14.9
50 to 179 acres.....	30 959	34 898	-11.3	24 041	26 046	-7.7
180 to 499 acres.....	46 259	51 974	-11.0	45 192	50 707	-10.9
500 to 999 acres.....	14 858	14 109	5.3	14 800	14 040	5.4
1,000 to 1,999 acres.....	2 796	2 152	29.9	2 787	2 149	29.7
2,000 acres or more.....	309	254	21.7	307	249	23.3
Harvested cropland.....farms.....	103 644	111 379	-6.9	88 759	94 404	-6.0
.....acres.....	24 137 670	23 622 212	2.2	23 705 724	23 021 840	3.0
Irrigated land.....farms.....	616	739	-16.6	558	638	-12.5
.....acres.....	91 427	100 770	-9.3	90 942	99 497	-8.6
Market value of agricultural products sold.....\$1,000.....	9 828 932	8 172 960	20.3	9 733 562	8 060 381	20.8
Crops, including nursery and greenhouse products.....farms.....	92 378	99 767	-7.4	81 379	86 487	-5.9
.....\$1,000.....	4 143 086	3 133 218	32.2	4 102 399	3 082 002	33.1
Livestock, poultry, and their products.....farms.....	85 613	93 571	-8.5	71 384	78 363	-8.9
.....\$1,000.....	5 685 846	5 039 742	12.8	5 631 163	4 978 379	13.1
Farms by standard industrial classification:						
Cash grains (011).....	54 319	52 491	3.5	46 986	43 809	7.3
Field crops, except cash grains (013).....	1 173	1 261	-7.0	269	272	-1.1
Vegetables and melons (016).....	116	135	-14.1	46	50	-8.0
Fruits and tree nuts (017).....	159	135	17.8	51	31	64.5
Horticultural specialties (018).....	264	256	3.1	177	169	4.7
General farms, primarily crop (019).....	1 099	1 314	-16.4	629	916	-31.3
Livestock, except dairy, poultry, and animal specialties (021).....	49 446	57 375	-13.8	38 263	45 938	-16.7
Dairy farms (024).....	4 985	4 479	11.3	4 878	4 272	14.2
Poultry and eggs (025).....	625	723	-13.6	424	528	-19.7
Animal specialties (027).....	1 280	651	96.6	190	122	55.7
General farms, primarily livestock (029).....	1 947	2 519	-22.7	1 599	2 300	-30.5
Farms by type of organization:						
Individual or family.....	97 610	103 884	-6.0	77 851	83 266	-6.5
Partnership.....	13 213	14 345	-7.9	11 450	12 332	-7.2
Corporation.....	4 110	2 668	54.0	3 907	2 565	52.3
Other—cooperative, estate or trust, institutional, etc.	480	442	8.6	304	244	24.6
Tenure of operator:						
Full owners.....	52 934	55 682	-4.9	35 753	38 050	-6.0
Part owners.....	38 427	39 094	-1.7	36 482	37 043	-1.5
Tenants.....	24 052	26 563	-9.5	21 277	23 314	-8.7
Operators by principal occupation:						
Farming.....	86 041	92 309	-6.8	79 106	84 551	-6.4
Other.....	29 372	29 030	1.2	14 406	13 856	4.0
Selected farm production expenses ¹ :						
Feed for livestock and poultry.....\$1,000.....	1 214 715	1 033 523	17.5	1 200 238	1 017 981	17.9
Commercial fertilizer.....	562 767	481 090	17.0	557 082	473 465	17.7
Other agricultural chemicals ²\$1,000.....	331 924	208 549	59.2	327 698	204 782	60.0
Energy and petroleum products.....\$1,000.....	668 410	373 582	78.9	651 727	359 757	81.2
Hired farm labor.....\$1,000.....	222 146	192 667	15.3	218 726	188 308	16.2
Livestock and poultry inventory:						
Cattle and calves.....farms.....	62 412	69 226	-9.8	52 300	58 609	-10.8
.....number.....	5 822 488	6 531 710	-10.9	5 610 550	6 282 849	-10.7
Milk cows.....farms.....	10 485	12 623	-16.9	9 630	11 406	-15.6
.....number.....	339 664	339 469	.1	336 545	334 231	.7
Hogs and pigs.....farms.....	45 768	57 325	-20.2	42 415	52 104	-18.6
.....number.....	14 332 644	14 695 418	-2.5	14 205 892	14 458 435	-1.7
Chickens 3 months old or older.....farms.....	7 637	10 050	-24.0	5 256	7 432	-29.3
.....number.....	9 584 663	9 343 813	2.6	9 453 698	9 154 693	3.3
Crops harvested:						
Corn for grain or seed.....farms.....	92 462	100 984	-8.4	84 558	90 475	-6.5
.....acres.....	12 880 050	12 664 796	1.7	12 723 331	12 414 900	2.5
Corn for silage or green chop.....farms.....	17 412	20 462	-14.9	17 091	20 028	-14.7
.....acres.....	536 645	620 953	-13.6	532 002	615 732	-13.6
Wheat for grain.....farms.....	2 731	1 139	139.8	2 481	1 008	146.1
.....acres.....	98 688	31 863	209.7	93 911	29 764	215.5
Oats for grain.....farms.....	35 752	39 710	-10.0	33 671	37 104	-9.3
.....acres.....	811 716	866 584	-6.3	785 508	833 831	-5.8
Soybeans for beans.....farms.....	73 175	78 579	-6.9	67 917	71 780	-5.4
.....acres.....	8 044 305	7 420 862	8.4	7 933 927	7 268 690	9.2
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text).....farms.....	56 372	64 657	-12.8	48 434	55 592	-12.9
.....acres.....	2 035 033	2 285 255	-10.9	1 899 026	2 120 102	-10.4

¹Data are based on a sample of farms.

²Data for 1978 include the cost of lime which was not collected in 1982.