

Volume 1

**State and County Data**

Part 14

**Indiana**

AC78-A-14

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1978

CENSUS OF  
AGRICULTURE

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U.S. Department of Commerce  
BUREAU OF THE CENSUS

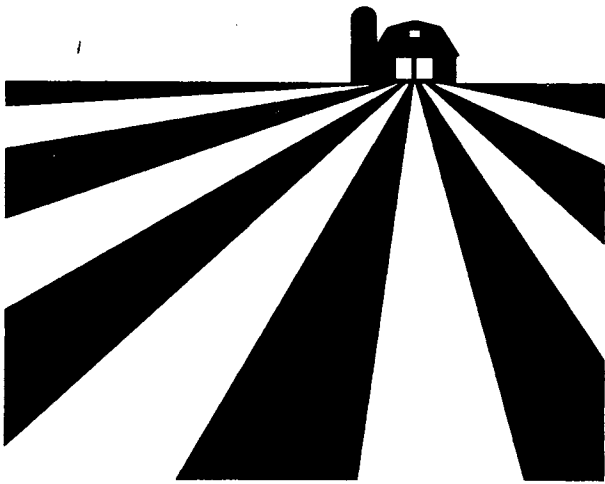


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Issued April 1981



**U.S. Department of Commerce**  
Malcolm Baldrige, Secretary  
William A. Cox,  
Acting Chief Economist

**BUREAU OF THE CENSUS**  
Daniel B. Levine,  
Acting Director



**BUREAU OF THE CENSUS**  
**Daniel B. Levine, Acting Director**  
**Shirley Kallek, Associate Director for**  
**Economic Fields**  
**Richard B. Quanrud, Assistant Director for**  
**Economic and Agriculture Censuses**

**AGRICULTURE DIVISION**  
**Arnold L. Bollenbacher, Chief**

**ACKNOWLEDGMENTS**—Many persons participated in the various activities of the 1978 Census of Agriculture. Primary direction was by **Shirley Kallek**, Associate Director for Economic Fields, and **Richard B. Quanrud**, 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) and **Arnold L. Bollenbacher**, his successor. **Arnold L. Bollenbacher**, assisted by **Thomas D. Monroe**, **Donald R. Jahnke**, and **John A. Blackledge**, was directly responsible for data content of the tables, analysis of the data, and clerical and computer edit, and tabulation specifications. **William A. Harlan**, **Arlon M. Scott**, and **James C. Vogelsang**, directed the resolution of problems with individual census reports.

**John E. Adkins**, assisted by **Stephen M. Schobel**, **Loyd C. Brown**, **Billy E. Stark**, **Lowell Wrucke**, **Sharon C. Spivey**, **Martin S. Harahush**, **Ralph A. Graham**, **Avon B. Floyd**, **Kent C. Hoover**, and **Lee Smallwood**, was directly responsible for the systems and processing procedures, including preparation of control systems, clerical procedures, and computer programs. **Dana E. Moore** and **Jay A. Johnson** were responsible for the photocomposition system. **Bobbie E. Catlin** and **Paulette M. Bonchak** were directly responsible for table preparation and publication standards used. **Mittie Buchanan**, Industry Division (to May 1980), and **Helen R. Pugh**, her successor, were responsible for coding the Linotron table formats for publication. **Carl N. McAllister** coordinated the final preparation of the tables. **Virginia Crockett**, **Regina E. Lindsey**, and **Karin G. Bauer** provided editorial services.

**Charles E. Rogers**, assisted by **D. Dean Prochaska**, and **David D. Chapman**, with the additional assistance of **Jane Y. Dea** and **Tommy W. Gaulden**, was directly responsible for mailing list acquisition and unduplication, design of sampling procedures for the direct enumeration sample and the sample from the mail list, sampling variability estimates, statistical adjustment for nonresponse, monitoring of processing, and evaluation of coverage. **Albert W. Graybill** was responsible for the preparation of the operational procedures for the collection and processing of the direct enumeration sample data.

**George E. Pierce**, assisted by **Patricia A. Clark** and **Richard R. Storm**, was directly responsible for overall census planning, the Farm and Ranch Identification Survey, and development of the data collection forms and followup letters. **J. Thomas Miller**, Consultant, assisted in the design and content of the data collection forms and followup letters, specifications for publication tables, and preparation of text.

**Don L. Adams**, Chief, Data Preparation Division, Jeffersonville, Ind., assisted by **Patricia M. Clark**, **Rebecca Lamon**, **George Wilson**, **William L. Pangburn**, **Les Brown**, **Darrell L. Farabee**, and **Keith Lacey**, was directly responsible for clerical and data-keying operations, and labeling, sorting, and distribution of the mail and direct enumeration census forms.

The direct enumeration activities were administered by the Field Division, under **Forrest P. Cawley**, Chief, with the assistance of **Darren F.**

**Althouse** and **Thomas J. Manning** and the 12 directors of the Bureau's Regional Offices.

The computer processing facilities used were under the general supervision of **C. Thomas DiNenna**, Chief, Computer Operations Division.

Forms design was performed under the general supervision of **Henry J. Husmann**, Chief, Administrative Services Division, assisted by **Albert W. Cosner**, **Cathern S. Kline**, and **Irene A. Grey**.

Within the Publications Services Division, many individuals made significant contributions in the areas of publication planning and design, editorial review, composition, and printing procurement.

Important contributions were made by the members of the Census Advisory Committee on Agriculture Statistics in establishing data needs and priorities for collection and publication of the information. Other representatives of both public and private organizations also made significant recommendations and suggestions.

Members of various agencies of the U.S. Department of Agriculture provided advice and counsel during the planning, data collecting, and processing phases of the census and assisted farmers and ranchers who requested help in completing the report form.

The press, farm magazines, and radio and television stations were most helpful in publicizing the census and encouraging cooperation of farm and ranch operators. **John W. Ternus** and **Douglas J. Miller**, Agriculture Division, and **Richard D. Ritter**, Public Information Office, were primarily responsible for developing and coordinating the public relations program.

Special tribute is paid to the millions of farm and ranch operators and other agriculture-associated people who furnished the information requested in the census. Only through their cooperation was it possible to collect and publish the data in this report.

**Library of Congress Cataloging in Publication Data**

United States. Bureau of the Census.  
1978 census of agriculture.

Supt. of Docs. no.: L 3.31/

CONTENTS: v. 1. State and county data.—v. 2. Statistics by subject.—v. 3. Agricultural services. [etc.]

1. Agriculture—United States—Statistics. I. Title. II. Title: Census of agriculture.

HD1753 1978.B87 7 1980 338.1'0973

79-600215

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### HISTORY

The census of agriculture provides a periodic statistical picture of the Nation's farming, ranching, and related activities. The 1978 Census of Agriculture is the 21st 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. From 1840 to 1950, an agriculture census was taken as part of the decennial census of population. A 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. Thereafter, the agriculture census will revert to a 5-year cycle.

### AUTHORITY AND AREA COVERED

The census of agriculture is authorized under the provisions of title 13, United States Code. Section 142(a) provides for the census to be taken in 1979, in 1983, and in every fifth year after 1983. Section 191 provides that the census shall include each State, the District of Columbia, Puerto Rico, Guam, and the Virgin Islands. A census of agriculture will be conducted in American Samoa and the Northern Mariana Islands in conjunction with the 1980 Census of Population and Housing.

### FARM DEFINITION

Since 1850, when minimum criteria defining a farm for census purposes were first established, the farm definition has been changed nine times, as the Nation has grown and changed. The current definition was announced on August 12, 1975, in accordance with a joint agreement between the U.S. Department of Agriculture, the Office of Management and Budget, and the Bureau of the Census. It defines a farm, for statistical purposes, as any place from which \$1,000 or more of agri-

cultural 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 county reports) counted as a farm 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.

### METHOD OF ENUMERATION

Evaluation studies of the 1969 and 1974 censuses, which were conducted primarily by mail, indicated that the administrative lists used to create the census mailing list were not adequate to assure complete coverage in the census. Also, censuses prior to 1969, conducted by direct enumeration, had been found by evaluation studies (conducted since 1950) to be progressively less and less complete, as increased mobility of farm operators led to increases in the numbers of nonresident operators, operators farming on a part-time basis, and operators farming two or more separate tracts.

The 1978 Census of Agriculture was conducted primarily by mail for maximum economy, supplemented by a personal canvass of a statistical area segment sample for maximum completeness of coverage. The area segment sample, which consists of selected geographic areas completely canvassed by direct enumeration, provides reliable estimates for States of the number and characteristics of any farms not represented in the mail portion of the census. Estimates for such farms are an integral part of the State totals published for the 1978 census. The direct enumeration sample estimates are statistically reliable only for State totals and have not been allocated to counties. Appendix A provides a more detailed description of how the 1978 census was taken and includes a discussion of census coverage.

### COMPARABILITY OF DATA

State totals for 1978 are not directly comparable with totals for 1974 or earlier censuses as they include data for farm operations represented on the mail list plus estimates from the direct enumeration sample for farms not represented on the mail list. The 1974 State level data include only operations represented on the mail list.

Coverage evaluation studies for the 1974 census indicated that 10.7 percent of all farms were not included in the census. Farms missed in the census were usually small and accounted for less than 3 percent of the total value of agricultural products sold and less than 6 percent of the land in farms. The proportion of farms missed in the 1974 census was generally higher in

States having a large proportion of small farms and urbanized areas having a sizable number of part-time farms. Farm counts for 1974, adjusted for the net undercount, are shown in appendix C.

County level data on acreages and inventories for 1978 and 1974 are generally comparable; however, improvements in the coverage of the 1978 census, especially of smaller farms, should be taken into consideration when comparing farm counts.

## USE OF SAMPLING

Two types of sampling were used for data collection for the 1978 census. In addition to the State estimates from the direct enumeration sample discussed previously, data for items in sections 22 through 27 of the census report form were collected from only a sample of farms. Data based on a sample are subject to sampling error. Detailed discussions of the census report forms, the use of sampling, and estimates of sampling error are included in appendix A.

## GRAPHICS

Several charts and maps presented on the following pages show selected agricultural statistics for this State. The items in the charts and the first four maps are presented for all States. The last four maps present data of particular importance to this State.

## TABULAR PRESENTATION

**State data**—In chapter 1, State tables 1 through 28 show detailed State level data usually accompanied by historical data for one or more censuses. Tables 29 through 35 provide 1978 State data cross-tabulated by various farm classifications.

**County summary data**—Selected data items are presented by county in chapter 2. Tables 1 through 15 include general data such as land in farms, size of farms, land use, operator characteristics, expenses, and machinery and equipment. Inventory and sales data for livestock, poultry, and animal specialties are contained in tables 16 through 27 and detailed crop data in tables 28 through 35. Tables 36 through 43 present data on foreign ownership, income from customwork, direct sales to consumers, operators by racial group, and female operators.

**Individual county data**—Five pages of tables are presented in chapter 3 for each county with 10 farms or more in 1978. The tables include final data for each county and are more comprehensive than those in the preliminary reports. Data are provided for all farms and for farms with sales of \$2,500 or more for both 1978 and 1974.

This chapter also includes a set of similar tables for the State as a whole and for those farms in the State not on the mailing list and not included in county tables.

## PRELIMINARY REPORTS

Preliminary reports have been published separately for all counties in the United States with 10 farms or more in 1978, each State, the four geographic regions, and the United States. This series provided, at the earliest possible date, information on major data items, with comparable final data from the 1974 census. The data items were standard for each State and county except in table 3 where the selected crops varied by State according to their relative importance in the State. The State preliminary report also included a full set of tables providing data derived from the direct enumeration sample on the estimated number and characteristics of farms not included in county totals because they were not represented on the mailing list.

For major data items at the county level differences between the preliminary and final figures are in general less than 5 percent. At the State level, differences are significantly less.

## CENSUS DISCLOSURE RULES

In keeping with the provisions of title 13, United States Code, data that would disclose the operations of an individual farm are not published. However, the number of farms in a given size category or other classification is not considered a disclosure. Appendix A presents additional information on disclosure rules.

## 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.

## ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used throughout the tables:

- Zero.
- (D) Data withheld to avoid disclosing information for individual farms.
- (X) Not applicable.
- (Z) Less than half of the unit reported.
- (NA) Not available.
- Independent city.

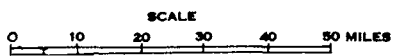
# Highlights of the State's Agriculture: 1978 and 1974

	All farms			Farms with sales of \$2,500 or more		
	1978		1974 <sup>1</sup>	1978		1974 <sup>1</sup>
	Total	Not on mail list	Total	Total	Not on mail list	Total
Farms..... number.....	88 427	5 944	87 915	71 622	1 859	70 942
Land in farms..... acres.....	17 037 075	212 637	16 785 208	16 347 748	132 085	15 817 928
Average size of farm..... acres.....	193	36	191	228	71	223
Harvested cropland..... acres.....	11 910 343	100 852	11 234 214	11 748 685	83 604	11 039 115
Average per farm..... acres.....	135	17	128	164	45	156
Farms by size:						
1 to 49 acres..... number.....	26 109	4 337	20 919	13 795	887	10 704
50 to 499 acres..... number.....	54 150	1 607	59 883	49 694	972	53 163
500 to 999 acres..... number.....	6 552	-	5 969	6 528	-	5 941
1,000 acres or more..... number.....	1 616	-	1 144	1 605	-	1 134
Value of land and buildings: <sup>2</sup>						
Average per farm..... dollars.....	307 189	84 841	137 385	362 033	128 533	160 654
Average per acre..... dollars.....	1 589	2 372	720	1 587	1 809	721
Value of machinery and equipment on farms? <sup>2</sup> ..... \$1,000.....	3 168 947	50 616	1 899 878	3 043 161	25 657	1 775 484
Average per farm..... dollars.....	35 837	8 516	21 610	42 489	13 801	25 027
Value of agricultural products sold..... \$1,000.....	3 381 257	22 969	2 612 631	3 354 156	19 149	2 586 667
Average per farm..... dollars.....	38 238	3 864	29 718	46 831	10 301	36 462
Crops sold..... \$1,000.....	1 938 097	12 047	1 574 831	1 926 400	10 904	1 563 145
Average per farm..... dollars.....	21 917	2 027	17 913	26 897	5 865	22 034
Livestock and livestock products sold..... \$1,000.....	1 207 368	8 750	856 633	1 192 487	6 075	842 869
Average per farm..... dollars.....	13 654	1 472	9 744	16 650	3 268	11 881
Poultry and poultry products sold..... \$1,000.....	235 791	2 173	177 076	235 270	2 170	176 672
Average per farm..... dollars.....	2 667	366	2 014	3 285	1 167	2 490
Farms by value of agricultural products sold:						
Less than \$2,500..... number.....	16 760	4 085	18 215	-	-	1 286
\$2,500 to \$9,999..... number.....	23 706	1 178	24 273	23 706	1 178	24 273
\$10,000 to \$39,999..... number.....	25 411	680	26 777	25 411	680	26 777
\$40,000 to \$99,999..... number.....	14 016	1	13 098	14 016	1	13 098
\$100,000 to \$199,999..... number.....	5 844	-	4 151	5 844	-	4 151
\$200,000 or more..... number.....	2 645	-	1 357	2 645	-	1 357
Abnormal farms..... number.....	45	(X)	44	(X)	(X)	(X)
Value of agricultural products sold by farms having sales of -						
Less than \$2,500..... \$1,000.....	20 877	3 820	22 740	-	-	2 077
\$2,500 to \$9,999..... \$1,000.....	131 900	5 607	138 414	131 900	5 607	138 414
\$10,000 to \$39,999..... \$1,000.....	538 247	13 471	562 812	538 247	13 471	562 812
\$40,000 to \$99,999..... \$1,000.....	893 404	71	818 620	893 404	71	818 620
\$100,000 to \$199,999..... \$1,000.....	799 749	-	557 946	799 749	-	557 946
\$200,000 or more..... \$1,000.....	990 856	-	506 798	990 856	-	506 798
Abnormal farms..... \$1,000.....	6 223	(X)	5 302	(X)	(X)	(X)
Farm production expenses for selected items: <sup>2</sup>						
Feed for livestock and poultry..... \$1,000.....	392 221	5 152	334 734	385 598	3 219	328 131
Seeds, bulbs, plants, and trees..... \$1,000.....	121 608	1 196	77 528	120 404	979	76 530
Commercial fertilizer..... \$1,000.....	354 611	2 070	283 265	351 217	1 665	279 822
Other agricultural chemicals..... \$1,000.....	116 129	572	68 177	114 973	400	67 641
Petroleum products—gasoline, diesel, etc..... \$1,000.....	162 277	1 699	108 634	158 869	1 187	105 536
Hired farm labor..... \$1,000.....	117 682	109	71 751	114 869	21	70 074
Livestock and poultry inventory:						
Cattle and calves..... number.....	1 570 735	23 652	1 826 638	1 491 385	12 571	1 670 366
Hogs and pigs..... number.....	4 200 989	41 256	3 350 529	4 148 788	24 150	3 305 651
Sheep and lambs..... number.....	102 745	1 649	148 660	89 984	1 649	126 247
Chickens 3 months old or older..... number.....	18 802 673	53 934	16 199 315	18 697 130	31 469	16 077 052
Crops harvested:						
Corn for grain or seed..... acres.....	6 111 779	48 988	5 068 354	6 058 259	40 402	5 013 177
Wheat for grain..... bushels.....	631 229 350	4 704 146	371 396 556	627 244 619	3 985 790	368 591 934
Soybeans for beans..... acres.....	583 011	1 164	1 178 919	577 649	1 067	1 162 357
Hay crops..... bushels.....	22 187 429	11 640	44 246 255	22 026 445	10 670	43 759 347
Hay crops..... acres.....	4 108 425	22 299	3 734 150	4 077 505	20 941	3 705 968
Hay crops..... tons, dry.....	135 534 437	681 049	94 724 611	134 826 662	651 173	94 221 756
Hay crops..... tons, dry.....	883 629	26 583	852 504	819 034	21 437	768 541
Hay crops..... tons, dry.....	2 077 928	39 566	1 831 874	1 974 158	34 726	1 702 113

<sup>1</sup>Not fully comparable because of direct enumeration sample in 1978 totals; see text.

<sup>2</sup>1978 data are based on a sample of farms; see text.

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