

Volume 1

State and County Data

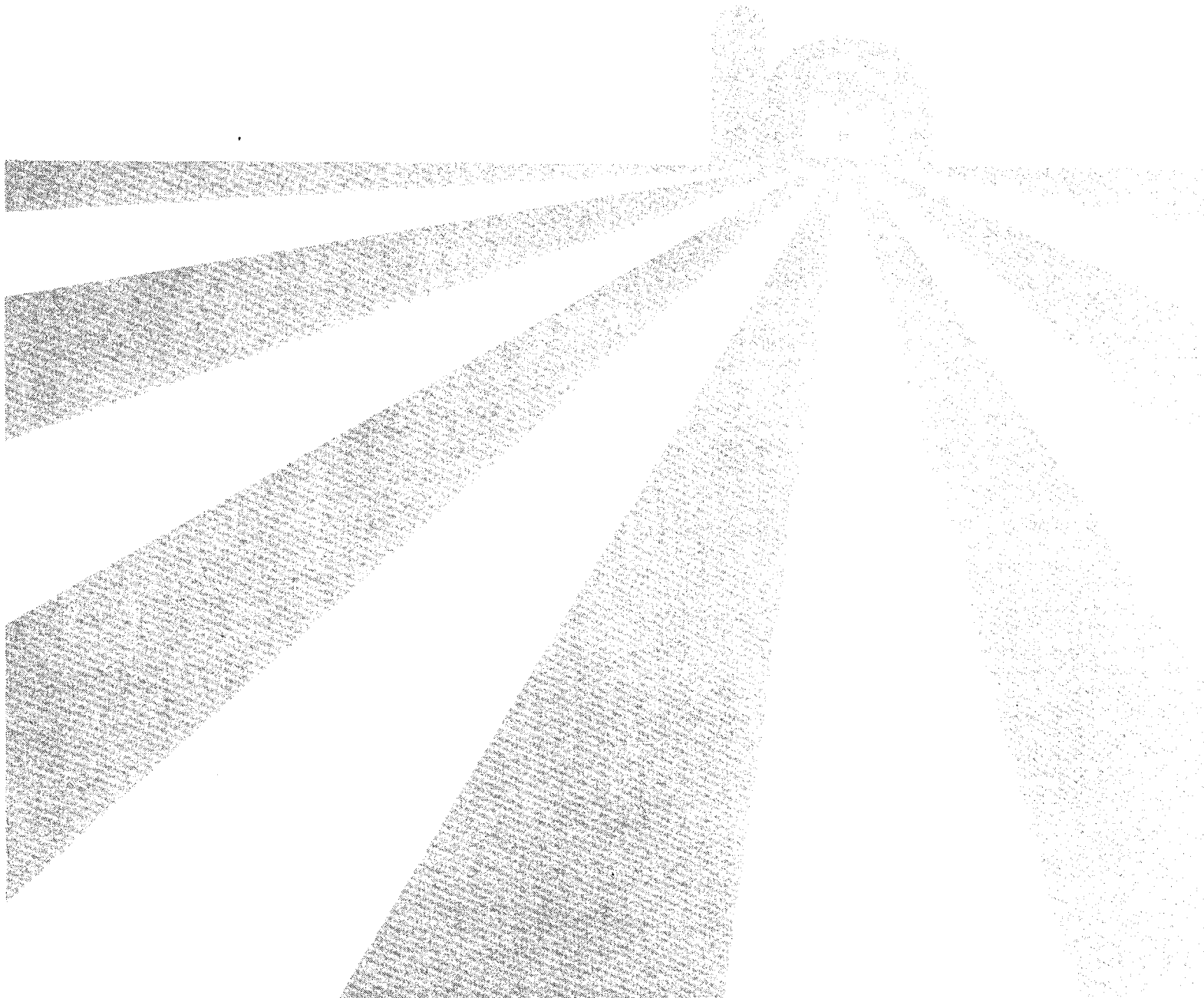
Part 15

Iowa

AC78-A-15

1978
CENSUS OF
AGRICULTURE

U.S. Department of Commerce
BUREAU OF THE CENSUS



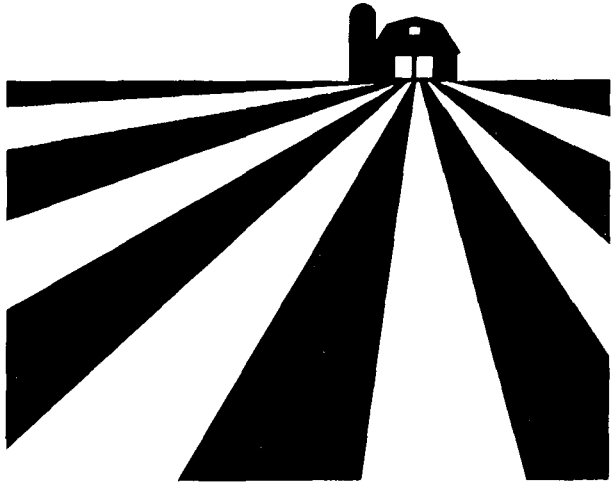
Corrections - Iowa.

Page 1 - state Table 1, 2

Page 16. " " 9. 1969

76.8

90.6



1978 CENSUS OF AGRICULTURE

AC78-A-15
Changed September 1981

State and County Data

CHANGE SHEET

Final Report

IOWA

Page 1, State tables 1 and 2 for value of land and buildings per farm and per acre for 1978 should read as follows:

Table 1:

Average per farm	dollars	414,352
Average per acre	dollars	1,550

Table 2:

Average per farm	dollars	439,538
Average per acre	dollars	1,547

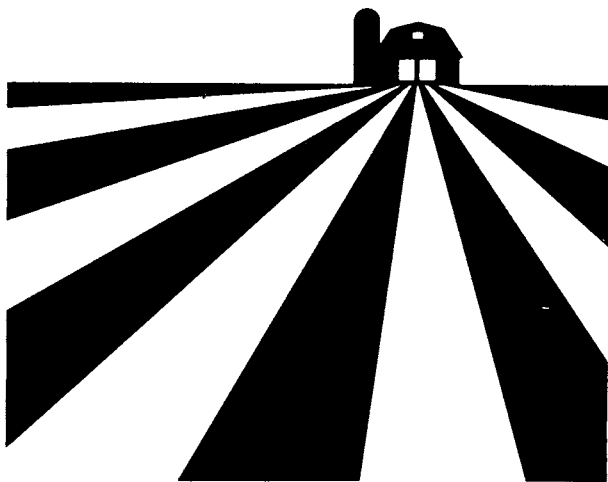
Page 9, State table 16 for average land irrigated per farm for 1969 should read as follows:

All farms—Average per farm	acres	76.8
Farms with sales of \$2,500 or more—Average per farm	acres	90.6



1978
CENSUS OF
AGRICULTURE

Volume 1
State and County Data



Part 15
Iowa
AC78-A-15

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**, **Arion 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. Gauden**, was directly responsible for mailing list acquisition and duplication, 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

For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by draft on a U.S. bank.

CONTENTS

	Page
Introduction	VII
Highlights of the State's Agriculture: 1978 and 1974	IX
State Map	X

CHARTS

1. Changes in State's Agriculture: 1978 From 1974	XI
2. Profile of State's Agriculture: 1978	XII
3. Land in Farms by Type of Organization: 1978	XIII
4. Farms by Value of Sales: 1978	XIV
5. Value of Products Sold by Size of Sales: 1978	XIV

PATTERN MAPS

1. Land in Farms by County: 1978	XV
2. Average Size of Farm by County: 1978	XV
3. Value of Land and Buildings by County: 1978	XVI
4. Value of Agricultural Products Sold by County: 1978	XVI
5. Cattle and Calves Inventory by County: 1978	XVII
6. Hogs and Pigs Inventory by County: 1978	XVII
7. Corn Harvested for Grain by County: 1978	XVIII
8. Soybeans Harvested for Beans by County: 1978	XVIII

TABLES

CHAPTER 1. State Data

1. Farms, Land in Farms, and Land Use: 1945 to 1978	1
2. Farms, Land in Farms, and Land Use, for Farms With Sales of \$2,500 or More: 1978, 1974, and 1969	1
3. Farms, Land in Farms, and Land Use, by Size of Farm: 1978 and 1974	2
4. Operators—Tenure, Type of Organization, and Characteristics: 1978, 1974, and 1969	2
5. Operators by Type of Organization for Farms With Sales of \$2,500 or More: 1978, 1974, and 1969	3
6. Selected Farm Production Expenses: 1978, 1974, and 1969	4
7. Expenses for Energy and Petroleum Products: 1978, 1974, and 1969	5
8. Fuel Expenses, Quantity Purchased, and Storage Capacity: 1978	5
9. Farm Payroll, Employment, and Contract Expenses: 1978, 1974, and 1969	5
10. Market Value of Agricultural Products Sold: 1978, 1974, and 1969	6
11. Value of Agricultural Products Sold Directly to Consumers for Human Consumption: 1978	6
12. Income From Machine Work, Customwork, and Other Agricultural Services: 1978, 1974, and 1969	7
13. Selected Characteristics of Farms by Standard Industrial Classification of Farms: 1978	7
14. Machinery and Equipment on Place: 1978 and 1974	8
15. Agricultural Chemicals Used, Including Fertilizer and Lime: 1978 and 1974	8
16. Irrigation: 1978, 1974, and 1969	9
17. Selected Characteristics of Irrigated and Nonirrigated Farms: 1978	9
18. Livestock and Poultry—Inventory and Sales: 1978, 1974, and 1969	10
19. Poultry—Inventory and Sales: 1978 and 1974	10
20. Cattle and Calves—Inventory and Sales: 1978 and 1974	12
21. Hogs and Pigs—Inventory and Sales: 1978 and 1974	14
22. Sheep and Lambs—Inventory and Sales: 1978 and 1974	15

TABLES—Con.	Page
CHAPTER 1—Con.	
23. Other Livestock and Livestock Products—Inventory and Sales: 1978 and 1974	16
24. Fish Sales: 1978	16
25. Crops Harvested: 1978 and 1974	17
26. Specified Crops Harvested—Yield Per Acre Irrigated and Nonirrigated: 1978.	18
27. Crops Harvested and Value of Production: 1978 and 1974	18
28. Crops by Acres Harvested: 1978.	19
29. Summary by Tenure of Operator: 1978.	22
30. Summary by Type of Organization: 1978	30
31. Summary by Age and Principal Occupation of Operator: 1978.	38
32. Summary by Age and Principal Occupation of Operators for Farms With Sales of Less Than \$20,000: 1978	54
33. Summary by Size of Farm: 1978	70
34. Summary by Value of Agricultural Products Sold: 1978.	86
35. Summary by Standard Industrial Classification of Farm: 1978.	102
 CHAPTER 2. County Summary Data	
1. Number, Land, and Value of Farms: 1978 and 1974	118
2. Land Use: 1978	120
3. Irrigation: 1978	122
4. Farms by Tenure of Operator: 1978	124
5. Farms and Land in Farms by Type of Organization: 1978.	125
6. Characteristics of Operators: 1978	126
7. Farms by Value of Sales and Occupation: 1978.	127
8. Farms by Standard Industrial Classification: 1978	129
9. Farms by Market Value of Agricultural Products Sold: 1978	131
10. Market Value of Agricultural Products Sold for All Farms: 1978	132
11. Market Value of Agricultural Products Sold for Farms With Sales of \$2,500 or More: 1978.	133
12. Selected Farm Production Expenses: 1978.	135
13. Energy Expenses and Fuel Storage Capacity for Farm Business: 1978	137
14. Hired Farm Labor—Expenses and Number of Workers: 1978	141
15. Estimated Market Value of All Machinery and Equipment: 1978	142
16. Cattle and Calves—Inventory and Sales: 1978	143
17. Hogs and Pigs—Inventory and Sales: 1978	155
18. Poultry—Inventory and Sales: 1978	159
19. Broilers Sold by Number Per Farm: 1978.	162
20. Sheep and Lambs—Inventory and Sales: 1978.	163
21. Milk Goats—Inventory and Sales: 1978	165
22. Angora Goats—Inventory and Sales: 1978	165
23. Mink and Their Pelts—Inventory and Sales: 1978.	166
24. Colonies of Bees and Honey—Inventory and Sales: 1978.	166
25. Fish Sales: 1978	167
26. Miscellaneous Poultry—Inventory and Sales: 1978	167
27. Miscellaneous Livestock and Animal Specialties—Inventory and Sales: 1978	170
28. Grains—Corn, Sorghums, Wheat, and Other Small Grains: 1978	172
29. Cotton, Tobacco, Soybeans, Dry Beans and Peas, Potatoes, Sugar Crops, and Peanuts: 1978	174
30. Field Seeds, Grass Seeds, Hay, Forage, and Silage: 1978	175
31. Vegetables, Sweet Corn, and Melons, Harvested for Sale: 1978.	180
32. Fruits and Nuts: 1978	182
33. Berries: 1978	185
34. Nursery and Greenhouse Products, Mushrooms, and Sod: 1978	186
35. Other Crops: 1978.	186
36. Operator Response to Land Held Under Foreign Ownership: 1978	187
37. Income From Machine Work, Customwork and Other Agricultural Services: 1978	187

TABLES—Con.

CHAPTER 2—Con.

38. Value of Agricultural Products Sold Directly to Consumers for Human Consumption: 1978 . . .	188
39. Farms Operated by Black and Other Races: 1978	189
40. Farms Operated by Black and Other Races by Tenure: 1978	190
41. Operators by Selected Racial Groups: 1978	190
42. Operators of Spanish Origin: 1978	191
43. Female Operators: 1978	191

CHAPTER 3. Individual County Data [The following tables are common to the State and each county]

1. Farms, Land in Farms, and Land Use: 1978 and 1974		
2. Market Value of Agricultural Products Sold: 1978 and 1974		
3. Farms, Land in Farms, Land Use, and Irrigation, by Size of Farm: 1978 and 1974		
4. Operators—Tenure, Type of Organization, and Characteristics: 1978 and 1974		
5. Selected Farm Production Expenses: 1978 and 1974		
6. Agricultural Chemicals Used, Including Fertilizer and Lime: 1978 and 1974		
7. Machinery and Equipment on Place: 1978 and 1974		
8. Hired Farm Workers: 1978 and 1974		
9. Livestock and Poultry—Inventory and Sales: 1978 and 1974		
10. Crops: 1978 and 1974		

Iowa	192	Emmet	357
Farms Not on Mail List	197	Fayette	362
Adair	202	Floyd	367
Adams	207	Franklin	372
Allamakee	212	Fremont	377
Appanoose	217	Greene	382
Audubon	222	Grundy	387
Benton	227	Guthrie	392
Black Hawk	232	Hamilton	397
Boone	237	Hancock	402
Bremer	242	Hardin	407
Buchanan	247	Harrison	412
Buena Vista	252	Henry	417
Butler	257	Howard	422
Calhoun	262	Humboldt	427
Carroll	267	Ida	432
Cass	272	Iowa	437
Cedar	277	Jackson	442
Cerro Gordo	282	Jasper	447
Cherokee	287	Jefferson	452
Chickasaw	292	Johnson	457
Clarke	297	Jones	462
Clay	302	Keokuk	467
Clayton	307	Kossuth	472
Clinton	312	Lee	477
Crawford	317	Linn	482
Dallas	322	Louisa	487
Davis	327	Lucas	492
Decatur	332	Lyon	497
Delaware	337	Madison	502
Des Moines	342	Mahaska	507
Dickinson	347	Marion	512
Dubuque	352	Marshall	517

TABLES—Con.

CHAPTER 3—Con.

Mills	522	Shelby	612
Mitchell	527	Sioux	617
Monona	532	Story	622
Monroe	537	Tama	627
Montgomery	542	Taylor	632
Muscatine	547	Union	637
O'Brien	552	Van Buren	642
Osceola	557	Wapello	647
Page	562	Warren	652
Palo Alto	567	Washington	657
Plymouth	572	Wayne	662
Pocahontas	577	Webster	667
Polk	582	Winnebago	672
Pottawattamie	587	Winneshiek	677
Poweshiek	592	Woodbury	682
Ringgold	597	Worth	687
Sac	602	Wright	692
Scott	607		

APPENDIXES

A. General Explanation	A-1
B. Farms by Current and Prior Definitions and Value of Agricultural Products Sold: 1978 and 1974	B-1
C. Comparison of 1974 Farm Counts With 1978 Farm Counts.	C-1
D. Report Forms.	D-1

Index	Index-1
Publication Program.	Inside back cover

INTRODUCTION

	Page
HISTORY	VII
AUTHORITY AND AREA COVERED	VII
FARM DEFINITION	VII
METHOD OF ENUMERATION	VII
COMPARABILITY OF DATA	VII
USE OF SAMPLING	VIII
GRAPHICS	VIII
TABULAR PRESENTATION	VIII
PRELIMINARY REPORTS	VIII
CENSUS DISCLOSURE RULES	VIII
DEFINITIONS AND EXPLANATIONS	VIII
"SEE TEXT" REFERENCE	VIII
ABBREVIATIONS AND SYMBOLS	VIII

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 ¹	1978		1974 ¹
	Total	Not on mail list	Total	Total	Not on mail list	Total
Farms..... number.....	126 456	5 117	126 104	117 717	3 175	117 075
Land in farms..... acres.....	33 580 851	322 618	33 044 768	33 270 732	297 004	32 444 223
Average size of farm..... acres.....	266	63	262	283	94	277
Harvested cropland..... acres.....	23 799 192	176 980	23 085 329	23 712 286	168 993	22 986 785
Average per farm..... acres.....	188	35	183	201	53	196
Farms by size:						
1 to 49 acres..... number.....	21 377	3 425	14 892	14 242	1 591	9 340
50 to 499 acres..... number.....	88 478	1 606	96 838	86 907	1 498	93 430
500 to 999 acres..... number.....	14 195	86	12 578	14 169	86	12 516
1,000 acres or more..... number.....	2 406	-	1 796	2 399	-	1 789
Value of land and buildings: ²						
Average per farm..... dollars.....	414 352	110 633	188 370	439 538	157 882	199 393
Average per acre..... dollars.....	1 550	1 755	719	1 547	1 688	720
Value of machinery and equipment on farms: ²						
Average per farm..... \$1,000.....	5 824 653	49 657	3 527 520	5 759 303	37 011	3 454 369
Average per farm..... dollars.....	46 061	9 704	27 973	48 925	11 657	29 506
Value of agricultural products sold..... \$1,000.....	8 211 280	38 320	6 319 637	8 192 762	36 685	6 302 705
Average per farm..... dollars.....	64 934	7 489	50 114	69 597	11 554	53 835
Crops sold..... \$1,000.....	3 158 265	25 047	2 800 973	3 151 969	24 293	2 795 734
Average per farm..... dollars.....	24 975	4 895	22 212	26 776	7 651	23 880
Livestock and livestock products sold..... \$1,000.....	4 908 356	13 223	3 398 455	4 896 616	12 356	3 387 227
Average per farm..... dollars.....	38 815	2 584	26 950	41 597	3 892	28 932
Poultry and poultry products sold..... \$1,000.....	144 659	49	119 203	144 176	37	118 756
Average per farm..... dollars.....	1 144	10	945	1 225	12	1 014
Farms by value of agricultural products sold:						
Less than \$2,500..... number.....	8 663	1 942	9 608	-	-	654
\$2,500 to \$9,999..... number.....	18 253	2 118	17 401	18 253	2 118	17 401
\$10,000 to \$39,999..... number.....	39 517	886	47 551	39 517	886	47 551
\$40,000 to \$99,999..... number.....	37 541	170	37 196	37 541	170	37 196
\$100,000 to \$199,999..... number.....	15 889	1	10 799	15 889	1	10 799
\$200,000 or more..... number.....	6 517	-	3 474	6 517	-	3 474
Abnormal farms..... number.....	76	(X)	75	(X)	(X)	(X)
Value of agricultural products sold by farms having sales of-						
Less than \$2,500..... \$1,000.....	10 981	1 635	11 856	-	-	999
\$2,500 to \$9,999..... \$1,000.....	105 008	9 312	105 423	105 008	9 312	105 423
\$10,000 to \$39,999..... \$1,000.....	928 148	17 901	1 121 497	928 148	17 901	1 121 497
\$40,000 to \$99,999..... \$1,000.....	2 427 392	9 301	2 327 312	2 427 392	9 301	2 327 312
\$100,000 to \$199,999..... \$1,000.....	2 150 924	170	1 449 445	2 150 924	170	1 449 445
\$200,000 or more..... \$1,000.....	2 581 289	-	1 298 030	2 581 289	-	1 298 030
Abnormal farms..... \$1,000.....	7 537	(X)	6 075	(X)	(X)	(X)
Farm production expenses for selected items: ²						
Feed for livestock and poultry..... \$1,000.....	1 037 209	3 686	881 383	1 032 747	2 864	876 178
Seeds, bulbs, plants, and trees..... \$1,000.....	233 755	1 625	152 448	233 177	1 571	151 908
Commercial fertilizer..... \$1,000.....	483 429	2 339	394 865	482 299	2 279	393 735
Other agricultural chemicals..... \$1,000.....	209 676	1 127	139 620	209 096	1 097	139 330
Petroleum products—gasoline, diesel, etc..... \$1,000.....	296 222	2 258	204 875	294 318	1 952	203 165
Hired farm labor..... \$1,000.....	192 834	167	108 412	190 543	149	106 541
Livestock and poultry inventory:						
Cattle and calves..... number.....	6 567 155	35 445	6 658 298	6 520 479	33 303	6 572 034
Hogs and pigs..... number.....	14 784 098	88 680	11 476 589	14 717 091	59 635	11 435 246
Sheep and lambs..... number.....	381 249	425	474 084	362 584	-	444 874
Chickens 3 months old or older..... number.....	9 384 528	40 715	9 816 088	9 296 101	26 180	9 656 931
Crops harvested:						
Corn for grain or seed..... acres.....	12 751 062	86 266	11 865 605	12 721 612	84 141	11 833 697
Oats for grain..... bushels.....	1 399 073 749	9 161 495	930 743 547	1 396 459 471	8 983 250	928 979 755
Soybeans for beans..... bushels.....	871 799	5 215	(NA)	866 781	4 620	1 256 145
Hay crops..... bushels.....	49 539 981	233 600	(NA)	49 331 127	208 100	67 821 210
Hay crops..... acres.....	7 475 989	55 127	6 905 647	7 458 267	51 227	6 893 269
Hay crops..... tons, dry.....	267 882 402	2 011 715	190 916 604	267 371 179	1 889 450	190 675 272
Hay crops..... acres.....	2 317 391	32 136	2 259 243	2 283 812	30 436	2 218 770
Hay crops..... tons, dry.....	6 772 054	43 368	5 896 261	6 704 507	41 073	5 825 232

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

²1978 data are based on a sample of farms; see text.

