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. Leland, was directly responsible for the 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 Wrucek, Sharon C. Speyv, Martin S. Harahush, Ralph A. Graham, Avon B. Floyd, Kent C. Hoover, and Les 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. Cattin 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 Lincoln table formats for publication, and 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 undeplication, 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 Lasey, was directly responsible for clerical and data-keying operations, and mailing, 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. Conner, 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.
CONTENTS

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

CHARTS

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 .................................... XVI
4. Value of Agricultural Products Sold by County: 1978 ................... XVII
5. Hogs and Pigs Inventory by County: 1978 ................................. XVIII
6. Chickens 3 Months Old or Older Inventory by County: 1978 .......... XVIII
7. Soybeans Harvested for Beans by County: 1978 .......................... XVIII
8. Tobacco Harvested 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
5. Operators by Type of Organization for Farms With Sales of $2,500 or More: 1978, 1974, and 1969 .......................... 3
17. Selected Characteristics of Irrigated and Nonirrigated Farms: 1978 .......................... 9
22. Sheep and Lambs—Inventory and Sales: 1978 and 1974 ..................... 15
TABLES—Con.

CHAPTER 1—Con.

23. Other Livestock and Livestock Products—Inventory and Sales: 1978 and 1974 ................. 16
24. Fish Sales: 1978 ................................................. 16
27. Crops Harvested and Value of Production: 1978 and 1974 ............................................. 18
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 .................................................... 119
3. Irrigation: 1978 .................................................. 120
5. Farms and Land in Farms by Type of Organization: 1978 .............................................. 121
7. Farms by Value of Sales and Occupation: 1978 ................................................ 123
10. Market Value of Agricultural Products Sold for All Farms: 1978 ................................. 126
12. Selected Farm Production Expenses: 1978 ................................................................. 127
14. Hired Farm Labor—Expenses and Number of Workers: 1978 ........................................ 130
15. Estimated Market Value of All Machinery and Equipment: 1978 .................................. 131
16. Cattle and Calves—Inventory and Sales: 1978 ......................................................... 132
17. Hogs and Pigs—Inventory and Sales: 1978 ................................................................. 138
18. Poultry—Inventory and Sales: 1978 ................................................................. 140
20. Sheep and Lambs—Inventory and Sales: 1978 ......................................................... 142
21. Milk Goats—Inventory and Sales: 1978 ................................................................. 142
22. Angora Goats—Inventory and Sales: 1978 ................................................................. Not shown
23. Mink and Their Pelts—Inventory and Sales: 1978 .................................................. Not shown
24. Colonies of Bees and Honey—Inventory and Sales: 1978 ........................................ 143
25. Fish Sales: 1978 ................................................. 143
26. Miscellaneous Poultry—Inventory and Sales: 1978 .................................................. 144
27. Miscellaneous Livestock and Animal Specialties—Inventory and Sales: 1978 .................. 145
28. Grains—Corn, Sorghums, Wheat, and Other Small Grains: 1978 ................................. 146
32. Fruits and Nuts: 1978 ............................................ 156
33. Berries: 1978 ................................................. 159
34. Nursery and Greenhouse Products, Mushrooms, and Sod: 1978 ................................. 160
35. Other Crops: 1978 ............................................. 161
37. Income From Machine Work, Customwork and Other Agricultural Services: 1978 ............. 162
TABLES—Con.

CHAPTER 2—Con.

38. Value of Agricultural Products Sold Directly to Consumers for Human Consumption: 1978 .. 162
39. Farms Operated by Black and Other Races: 1978 ..................... . 163
40. Farms Operated by Black and Other Races by Tenure: 1978 .......... . 164
41. Operators by Selected Racial Groups: 1978 ......................... . 164
42. Operators of Spanish Origin: 1978 .................................. . 165
43. Female Operators: 1978 .............................................. . 165

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
3. Farms, Land in Farms, Land Use, and Irrigation, by Size of Farm: 1978 and 1974
5. Selected Farm Production Expenses: 1978 and 1974

South Carolina ...................... . 166
Farms Not on Mail List ............ 171
Abbeville ......................... 176
Aiken ................................ 181
Allendale ......................... 186
Anderson .......................... 191
Bamberg ......................... 196
Barnwell......................... 201
Beaufort ......................... 206
Berkeley ......................... 211
Calhoun ......................... 216
Charleston ....................... 221
Cherokee ......................... 226
Chester ......................... 231
Chesterfield ..................... 236
Clarendon ....................... 241
Colleton ......................... 246
Darlington ...................... 251
Dillon ............................ 256
Dorchester ....................... 261
Edgefield ......................... 266
Fairfield ......................... 271
Florence ......................... 276
Georgetown ..................... 281
Greenville ...................... 286
Greenwood ....................... 291
Hampton .......................... 296
Horry ................................ 301
Jasper ................................ 306
Kershaw ............................ 311
Lancaster .......................... 316
Laurens ............................ 321
Lee .................................. 326
Lexington ......................... 331
McCormick ....................... 336
Marion ................................ 341
Marlboro ............................ 346
Newberry ............................ 351
Orangeburg ....................... 361
Pickens ............................ 366
Richland ......................... 371
Saluda ............................... 376
Spartanburg ....................... 381
Sumter ............................... 386
Union ................................ 391
Williamsburg ..................... 396
York .................................. 401

APPENDIXES

A. General Explanation ................................................. A-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

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 1960, 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 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 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 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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>Not on mail list</td>
<td>Total</td>
<td>Not on mail list</td>
</tr>
<tr>
<td>Farms</td>
<td>number</td>
<td></td>
<td>number</td>
<td></td>
</tr>
<tr>
<td>Land in farms</td>
<td>acres</td>
<td></td>
<td>acres</td>
<td></td>
</tr>
<tr>
<td>Harvested cropland</td>
<td>acres</td>
<td></td>
<td>acres</td>
<td></td>
</tr>
<tr>
<td>Average per farm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>by size:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 to 49 acres</td>
<td>number</td>
<td></td>
<td>number</td>
<td></td>
</tr>
<tr>
<td>50 to 99 acres</td>
<td>number</td>
<td></td>
<td>number</td>
<td></td>
</tr>
<tr>
<td>100 acres or more</td>
<td>number</td>
<td></td>
<td>number</td>
<td></td>
</tr>
<tr>
<td>Value of land and buildings:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average per acre</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Value of machinery and equipment on farms</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average per farm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Value of agricultural products sold:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average per form</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crops sold</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average per form</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Livestock and livestock products sold:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average per form</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poultry and poultry products sold:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average per form</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Farms by value of agricultural products sold:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less than $2,500</td>
<td>number</td>
<td></td>
<td>number</td>
<td></td>
</tr>
<tr>
<td>$2,500 to $9,999</td>
<td>number</td>
<td></td>
<td>number</td>
<td></td>
</tr>
<tr>
<td>$10,000 to $29,999</td>
<td>number</td>
<td></td>
<td>number</td>
<td></td>
</tr>
<tr>
<td>$30,000 to $99,999</td>
<td>number</td>
<td></td>
<td>number</td>
<td></td>
</tr>
<tr>
<td>$100,000 to $199,999</td>
<td>number</td>
<td></td>
<td>number</td>
<td></td>
</tr>
<tr>
<td>$200,000 or more</td>
<td>number</td>
<td></td>
<td>number</td>
<td></td>
</tr>
<tr>
<td>Abnormal farms</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Farm production expenses for selected items:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Feed for livestock and poultry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commercial fertilizer</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other agricultural chemicals</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hired farm labor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Livestock and poultry inventory:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hogs and pigs</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sheep and lambs</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chickens 3 months old or older</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crops harvested:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Soybeans for bees:</td>
<td>acres</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cotton</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hay crops</td>
<td>acres</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>tons, dry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

1978 data are based on a sample of farms; see text.