

Volume 1

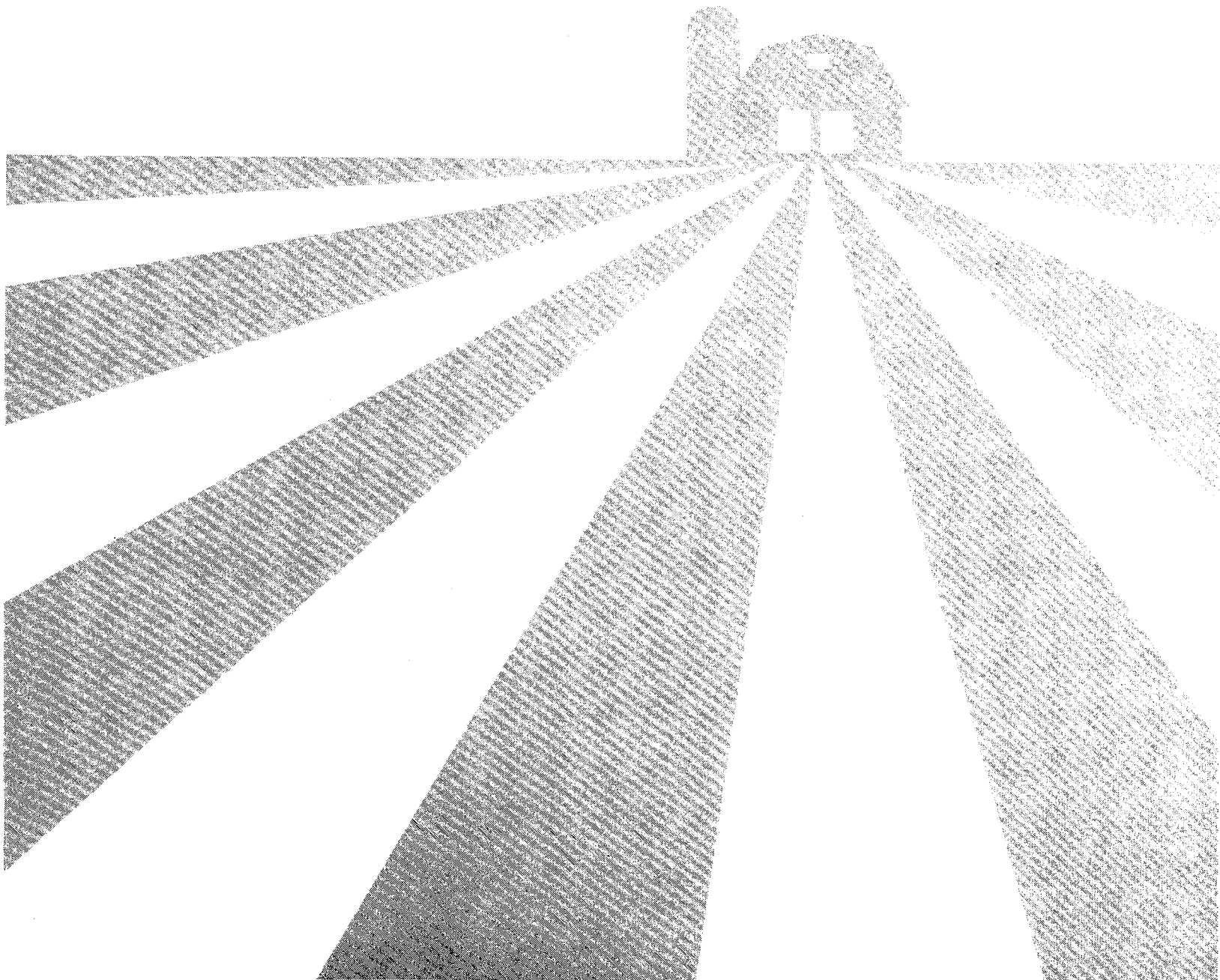
Area Data

Part 52

Puerto Rico

1978
CENSUS OF
AGRICULTURE

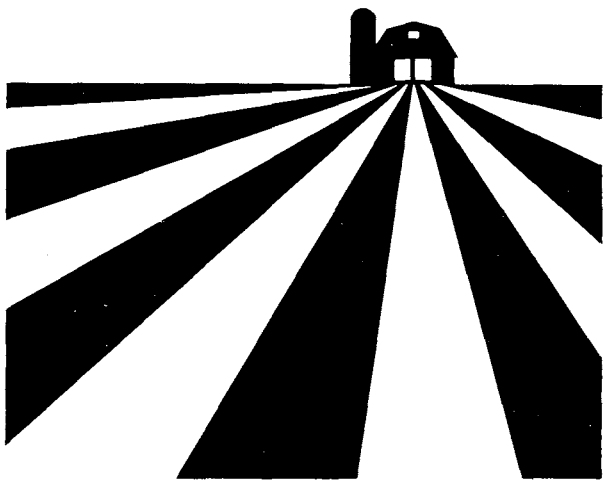
U.S. Department of Commerce
BUREAU OF THE CENSUS



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Part 52
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Issued October 1980



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This report was prepared in the Agriculture Division, under the general direction of **Orvin L. Wilhite**, Chief (to January 1980), and his successor, **Arnold L. Bollenbacher**. **Kenneth R. Norell**, Assistant Division Chief for Special Surveys, directed the overall planning and preparation of specifications and instructions for office processing and training materials, the development of enumeration procedures, and the technical review of statistics prior to their publication. **William W. Perry**, Chief of Outlying Areas Statistical Branch (to July 7, 1979), was directly responsible for the detailed planning and preparation of instructions and training materials for the enumeration, and in the handling of technical problems in connection with the enumeration and office processing. **John C. Womack**, Chief, Agricultural Services Branch coordinated the various processing operations and the compilation of this report. **Lidia R. Walters**, **Alice L. Brown**, **Yolanda S. Santiago**, and **Manuel J. Ortiz**, Statisticians, with the assistance of **Pura B. Lopez** and **Lola R. Grassl**, made significant contributions in processing report forms, and in preparing publication tables, text, and computer layouts.

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The operation of the Puerto Rico office in San Juan, including the field enumeration, was directed by **Curtis T. Hill**, Chief of the Field Division, assisted by **Forest P. Cawley, Jr.**, Assistant Chief for Economic Programs. Significant contributions were made by **Darren F. Althouse**, Chief, Economic Coordination Branch, assisted by **Michael Weiler** and **Margarita Fernandez Mattei**, Manager of the San Juan office.

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AUTHORITY, AREA COVERED, AND HISTORY

The 1978 Census of Agriculture was taken in accordance with the provisions of title 13, United States Code, reaffirmed by Section 818 of the Agriculture and Consumer Protection Act of 1973 (Public Law 93-86). Sections 142(a) and 191 of title 13 provide for a census of agriculture every 5 years in each State, the District of Columbia, Puerto Rico, Guam, and the Virgin Islands.

The 1978 Census is the 21st nationwide census of agriculture. The first agricultural census data were collected in 1840 as part of the sixth decennial census. From then to 1920, an agricultural census has been taken as a part of each decennial census and, since 1920, a national agricultural census has been taken every 5 years.

The first census of agriculture conducted in Puerto Rico by the United States was in 1910. From then to 1950, a census of agriculture was taken every 10 years in conjunction with the decennial censuses. In 1935, a special census of Puerto Rico was taken by the Puerto Rican Reconstruction Administration. In 1957, an amendment was made to the law to include Puerto Rico in the quinquennial national census of agriculture, and the first census under this amendment was taken in 1959, separately from the 1960 decennial census.

This report presents totals obtained from farm operators in Puerto Rico during July, August, and September of 1978. An agriculture report form was used to record the data. The report form is reproduced in appendix B. Additional background and a description of the procedures and definitions followed in taking the census are presented in appendix A.

FARM DEFINITION

The statistics collected in this census relate to places with agricultural operations qualifying as farms according to the census definition. In Puerto Rico, these include all places of 3 cuerdas or more on which agricultural products other than vegetables for home consumption were produced, or on which any livestock or 15 or more chickens or other poultry, were kept on the place. Also included were places of less than 3 cuerdas, if their gross sales during the census year or expected gross sales during the following year were \$100 or more.

COMPARABILITY OF DATA

In general, data from the 1978 census and earlier censuses are comparable. Although the method of collecting data changed

from personal interviews in earlier censuses to a combination of mail enumeration and personal interview in 1978, the change does not affect the comparability. However, inclusion of some places of less than 3 cuerdas in the 1969, 1974, and 1978 censuses, and a difference in timing, affects the comparability of some 1969, 1974, and 1978 data with that of earlier censuses.

Acreage, land use, location of land, crop inventory and sales, livestock inventory and sales, milk, eggs, and honey sold, irrigation, use of agricultural chemicals and fertilizers and expenses are all reported for this 12-month period from July 1, 1977 to June 30, 1978. Inventories for livestock, poultry, and other specified items were to be reported as of July 1, 1978.

REPORT FORM

One report form was used in the 1978 Census of Agriculture in Puerto Rico. Except for a few items, the 1978 report form was very similar to the one used in 1974. Most of the changes were made in the sections on crops and the section on machinery, equipment, buildings, and facilities. A section on products for home consumption was added to the 1978 report form. These and other minor changes were made in various sections of the form to improve the quality of the data and to provide data more useful to the user.

TABULAR PRESENTATION

The three major groups of tables presented in this report are:

Puerto Rico—Tables 1 through 19 present data for major items of all farms. Most data in these tables are accompanied by historical data for one or more censuses.

Municipios—Tables 20 through 70 present more detailed data for major items of all farms by municipios listed alphabetically with totals for Puerto Rico and regions. Region totals are municipios that have been grouped geographically into five regions.

Summary tables—Tables 71 through 76 show more detailed information for farms with sales of \$1,200 or more. Data in these tables are classified by age and main occupation of operator, size of farm, tenure of operator, type of farm, type of organization, and value of agricultural products sold.

ABBREVIATIONS AND SYMBOLS

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

HIGHLIGHTS of Puerto Rico's Agriculture: 1978 and 1974

	All farms		Farms with sales of \$1,200 or more	
	1978	1974	1978	1974
Farms number	31,837	29,650	11,211	11,452
Cuerdas in farms number	1,084,444	1,259,917	858,766	1,040,247
Cuerdas of cultivated cropland number	283,851	352,660	246,442	285,022
per farm	34.1	42.5	76.6	90.8
per farm	10.6	15.3	25.4	29.8
Farms by size:				
Less than 10 cuerdas	18,218	14,318	3,106	2,547
10 to 19 cuerdas	5,714	6,083	2,455	2,442
20 to 99 cuerdas	5,961	7,078	3,916	4,460
100 to 259 cuerdas	1,212	1,299	1,059	1,160
260 cuerdas or more	732	872	675	843
Value of agricultural products sold dollars	289,051,802	293,346,491	281,858,685	287,216,033
per farm	10,412	11,726	25,141	25,080
Crops ¹ dollars	102,373,871	155,796,004	97,407,349	151,076,189
per farm	4,754	7,591	10,583	16,104
Livestock, poultry, and their products dollars	186,677,931	137,550,487	184,451,336	136,139,844
per farm	13,796	13,405	31,242	23,644
Income from farm-related sources ² dollars	14,996,227	16,231,710	13,987,621	13,818,726
per farm	2,762	2,194	(NA)	(NA)
Farms by value of agricultural products sold:				
Less than \$1,200	20,626	18,198	(X)	(X)
Less than \$500	14,488	13,014	(X)	(X)
\$500 to \$1,199	6,138	5,184	(X)	(X)
\$1,200 or more	11,211	11,452	11,211	11,452
\$1,200 to \$2,499	4,304	3,955	4,304	3,955
\$2,500 to \$4,999	2,701	2,851	2,701	2,851
\$5,000 to \$7,499	1,054	1,103	1,054	1,103
\$7,500 to \$9,999	508	617	508	617
\$10,000 to \$19,999	852	997	852	997
\$20,000 or more	1,792	1,929	1,792	1,929
\$20,000 to \$39,999	533	(NA)	533	(NA)
\$40,000 to \$59,999	234	(NA)	234	(NA)
\$60,000 or more	1,025	(NA)	1,025	(NA)
Value of agricultural products sold by farms with sales of—				
Less than \$1,200	7,193,117	6,130,458	(X)	(X)
\$1,200 or more	281,858,685	287,216,033	281,858,685	287,216,033
\$1,200 to \$2,499	7,445,940	6,922,991	7,445,940	6,922,991
\$2,500 to \$4,999	9,456,389	10,018,120	9,456,389	10,018,120
\$5,000 to \$7,499	6,378,798	6,687,513	6,378,798	6,687,513
\$7,500 to \$9,999	4,374,372	5,314,380	4,374,372	5,314,380
\$10,000 to \$19,999	11,780,895	13,937,920	11,780,895	13,937,920
\$20,000 or more	242,422,291	244,335,109	242,422,291	244,335,109
\$20,000 to \$39,999	14,772,489	(NA)	14,772,489	(NA)
\$40,000 to \$59,999	11,482,777	(NA)	11,482,777	(NA)
\$60,000 or more	216,167,025	(NA)	216,167,025	(NA)
Specified farm production expenses (dollars):				
Feed for livestock and poultry	89,559,613	59,023,451	85,869,565	56,882,515
Commercial fertilizers	14,329,252	11,153,139	13,595,834	10,086,808
Chemicals (insecticides, herbicides, and fungicides)	5,313,187	4,314,565	5,127,613	4,141,611
Farm labor	80,681,979	76,216,028	79,497,328	73,316,267

¹ Includes sales of ornamental and flowering plants, lawn grass, wood, hay, forage, silage, molasses, etc.

² Includes custom farm work, agricultural and recreational services provided on the place, rental of farmland, and payments received for participation in government farm programs.