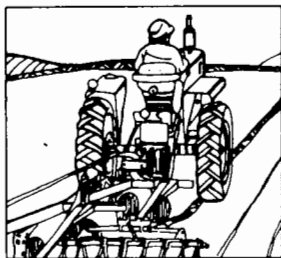
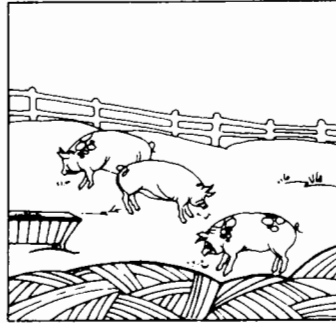
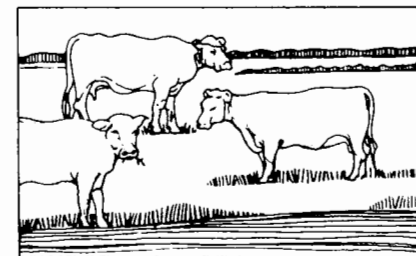
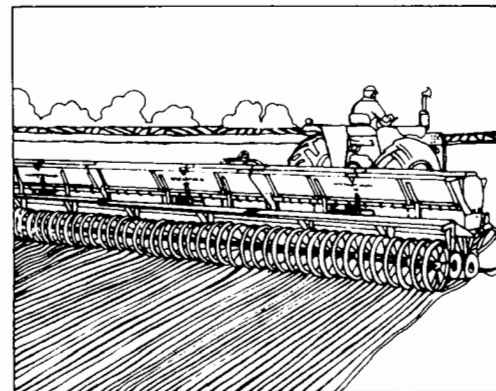
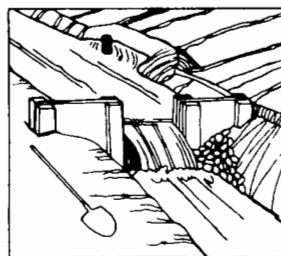
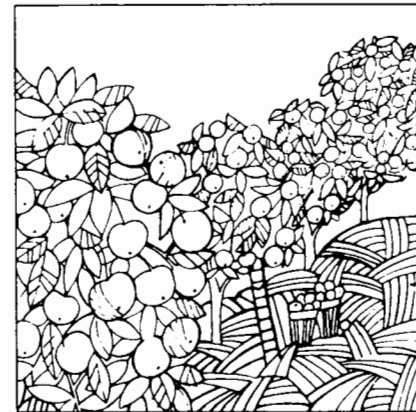


part 51
GUAM

**VOLUME I
AREA REPORTS**



**1969
CENSUS OF
AGRICULTURE**



Issued September 1972



U. S. DEPARTMENT OF COMMERCE Peter G. Peterson, Secretary
James T. Lynn, Under Secretary
Harold C. Passer, Assistant Secretary for Economic Affairs
and Administrator,
Social and Economic Statistics Administration
BUREAU OF THE CENSUS George Hay Brown, Director



BUREAU OF THE CENSUS

George Hay Brown, Director

Robert L. Hagan, Deputy Director

Walter F. Ryan, Associate Director for Economic Fields

James W. Turbitt, Associate Director for
Economic Operations

AGRICULTURE DIVISION

J. Thomas Breen, Chief

REPORTS OF THE 1969 CENSUS OF AGRICULTURE

Individual County Reports

These eight-page reports are issued for each county and State. They also appear as section 2 of volume I for the State to which they pertain. The tables contain totals for farms, land, production, expenses, income and sales, machinery and equipment, livestock, crops, and nursery, greenhouse, and forest products.

Volume I. Area Reports

A separate report is published for each State, American Samoa, Guam, Puerto Rico, Trust Territory, and the Virgin Islands. The report consists of two sections. Section 1 contains the introduction, State summary data, county summary of selected data, miscellaneous items by counties (crops or livestock appearing in relatively few counties and therefore not listed in the county tables on a nationwide basis), and an appendix giving explanations, definitions, and examples of the report forms used. Section 2 contains the detailed county reports.

Volume II. General Report

Statistics by subject will be presented, with totals for the United States, Regions, and States.

Volume III. Agricultural Services

This is a new report which will contain data relating to agricultural services.

Volume IV. Irrigation

Data will be included on drainage basins, land irrigated, crop production on irrigated land, water conveyed, users, and types of organization.

Volume V. Special Reports

Reports will be based on data obtained from supplemental surveys, such as type of farm, horticulture, and farm finance; and other subjects based on information obtained in the census.

ACKNOWLEDGMENTS—Many persons participated in the various activities of the 1969 Census of Agriculture. Primary direction of the program was performed by J. Thomas Breen, Chief, Agriculture Division, with the helpful guidance and review of Conrad Tæuber, Associate Director for Demographic Fields. Kenneth R. Norell, Assistant Chief for Special Surveys, Agriculture Division, participated in the overall planning and supervised the preparation of instructions for office processing, training materials, the development of enumeration procedures and the technical review of statistics prior to their publication. Hector Vila, Chief of Outlying Areas Statistical Branch, made significant contributions to the planning and in the preparation of instructions and training materials for the enumeration and in the handling of technical problems in connection with office processing.

Theodore G. Clemence, under the 1970 Census coordinator's staff, worked in the general planning program.

The census data were collected at the direction of the Governor of Guam, Honorable Carlos García Camacho. The actual collection of the data was carried out by census enumerators under the direct responsibility of Frank R. Blass, Director of Commerce, assisted by his Deputy Director, José D. Diego, as census coordinator and Joseph F. Flores, Chief of Census Supervision.

The manual processing of the questionnaires was performed in the Agriculture Division and Systems Division, Bureau of the Census, Washington, D.C.

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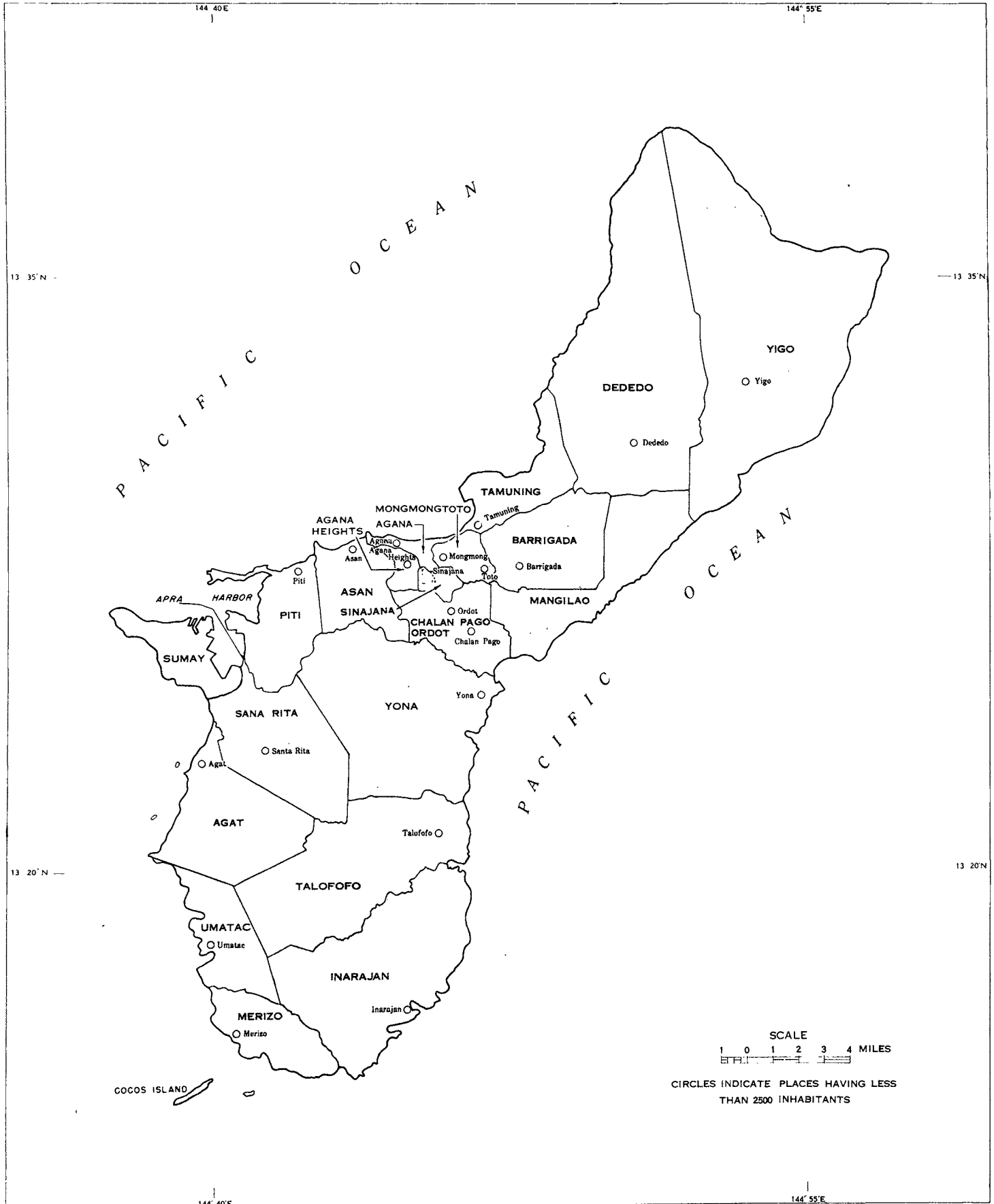
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GUAM

Election Districts, Cities and Villages



Introduction

History of the Census

The 1970 Census of Agriculture is the seventh U.S. census of agriculture of Guam. The first census of Agriculture was taken in 1920, in conjunction with the population census. From 1930 to 1960, a census of agriculture was taken in Guam every 10 years, at the same time as the population census. The 1964 Census of Agriculture was the first quinquennial (5 year) census to be taken in Guam. The 1970 Census of Agriculture for Guam was enumerated in conjunction with the 1970 Population Census.

Authority and Area Covered

The Census of Agriculture is authorized by an Act of Congress, "Title 13, United States Code—Census", codified August 31, 1954, as amended. Section 191 provides that the census data for Guam may be collected by the Governor, or highest ranking Federal official, in accordance with plans prescribed or approved by the Secretary of the U.S. Department of Commerce. This census covers agriculture in each of the 50 States, and in Guam, American Samoa, Puerto Rico, U.S. Trust Territory of the Pacific Islands, and the Virgin Islands.

The Agriculture Questionnaire

The questionnaire for the 1970 Census of Agriculture was prepared by the staff of the Census Bureau with the cooperation of the Department of Agriculture of Guam. It contained a total of 71 inquiries, most of which consisted of several parts. Selection of the inquiries was based on current needs for agricultural information as well as on experience gained in earlier censuses.

In most respects, the questionnaire for the 1970 Census of Agriculture was closely comparable with the one used in 1964. Only two new sections were added for 1970, one for workpower and the other for operator characteristics.

Definitions and explanations for selected items are given in appendix A. A facsimile of the 1970 questionnaire is shown in appendix B.

Training Program for Enumeration Personnel

Each supervisor, assistant supervisor, and enumerator employed for the 1970 Census of Population and Housing and the 1970 Census of Agriculture in Guam received special training for his job. All training was presented according to procedures prepared by the Bureau of the Census. It included practice interviewing, practice filling of questionnaires, and detailed discussion of the instructions given to enumerators.

Enumeration Period

The enumeration for the census of agriculture was scheduled to begin on April 1, 1970, at the same time and in conjunction with the enumeration for the census of population and housing; however, due to a delay in the starting of the census in Guam most of the agriculture census forms were not completed until the end of May.

Dates to Which Data Relate

The 1970 census figures for land in farms, fruit and nut trees, and livestock and poultry on hand represent the situation existing at the time of enumeration of each individual farm. Data for hectares and production of crops relate to the crops harvested during the crop year 1969. Data for sales relate to calendar year 1969.

The Enumeration

The schedule which enumerators used for taking the 1970 Census of Population and Housing in Guam contained a section at the end where the enumerator was to determine if an agricultural form should also be filled out. Three questions were in this section and a "yes" answer to any one of them meant an agricultural form must be filled out. The three questions were—

Is this house on a farm?

Were any crops or vegetables harvested from this place in 1969; or is there now a combined total of 10 or more fruit and nut trees on this place?

Does this place have any livestock or five or more poultry?

The enumerator was also instructed to ask enough questions about tracts of land on which no one lived to determine whether an agriculture questionnaire was required for the person in charge of the land. This instruction was designed to assure enumeration of all land used for agriculture, whether operated by an individual, a partnership, a corporation, or an institution.

Enumeration Districts

For purposes of enumeration, Guam was divided into Enumeration Districts, or "ED's". The ED's were clearly outlined on special maps prepared for the census. Each enumerator was required to canvas the entire area within his assigned ED.

To avoid enumeration of the same place by two or more enumerators, the Census Bureau established rules whereby each enumerator could determine whether or not he was responsible for obtaining the agriculture questionnaire for a given place. If a place was entirely within the boundaries of one ED, the enumerator for the ED was required to obtain the questionnaire, regardless of where the person in charge of the operation lived. If a place was partly in one ED and partly in another, the enumerator for the ED in which the person in charge lived was responsible for obtaining the questionnaire. In such case, he was to report on the questionnaire all the land that the person in charge operated in Guam, including the land outside his ED.

Census Definition of a Farm

The statistics presented in this report relate to places qualifying as census farms. For the 1970 Census of Agriculture in Guam, a farm was defined as any "place" on which any crops or vegetables were harvested or gathered during 1969, or on which there was a combined total of 10 or more fruit or nut trees or plants, or any livestock, or five or more poultry at the time of enumeration.

For the 1964 Census of Agriculture, a farm was defined as any "place" on which any crops, vegetables, fruits, or nuts, were grown and harvested or gathered during the year November 1, 1963, to October 31, 1964; or on which any livestock, or five or more poultry were kept on or about November 1, 1964. The word "place" was defined to include all land under the control of one person or partnership, exclusive of land used by the U.S. Military Services. Control of the land may have been through ownership, management, lease or other rental agreement, permit or other government arrangement, or by occupation without permit.

Office Processing

Each enumerator's work was examined and checked for completeness by the Agriculture Division, Bureau of the Census, in Washington, D.C. All questionnaires were individually edited prior to tabulation of the data. In the editing process, questionnaires that did not represent farms, according to the census definition, were withdrawn from further processing. The remaining questionnaires were then examined for completeness and consistency. Errors in calculations and units of measure, incon-

sistencies, and misplaced entries were corrected. Incomplete reports were adjusted on the basis of related information on the same questionnaire or on questionnaires for nearby farms of similar type and size.

After the questionnaires had been edited, the information on them was transferred to tabulation sheets. Subject matter specialists of the Bureau of the Census examined the tabulations for reasonableness and consistency. As necessary, they made corrections on the basis of a further reappraisal of the original reports before approving the data for publication.

Presentation of Statistics

This report contains data as compiled from the questionnaires used for the 1970 Census of Agriculture in Guam. Totals are given for each election district and for Guam as a whole. Comparable figures for preceding census years are given for those items for which information is available.

Abbreviations and Symbols

The following abbreviations and symbols may occur in the tables:

- Zero
- X Not applicable
- NA Not available
- D Data withheld to avoid disclosing figures for an individual farm or farm operations.