

Grenada - Agricultural Census, 2012

Central Statistical Office (CSO),

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Overview

Identification

ID NUMBER

GRD_2012_AC_v01_EN_M_v01_A_OCS

Overview

ABSTRACT

Half a century ago Grenada conducted its first Census of Agriculture in the year 1961 using a sampling methodology. Since then three other Agriculture Censuses have been undertaken, in the years 1975, 1981 and in 1995. Fifteen years later more specifically in 2010 exactly six years after the devastating effect of the agriculture sector by Hurricane Ivan in September of 2004 and Hurricane Emily in 2005, the island began the process of preparing to undertake its fifth Census of Agriculture. The Grenada Census of Agriculture 2012 (GAC 2012) had three main objectives:

1. To measure the actual structure of the agricultural sector by collecting information on those variables which do not change rapidly from year to year.
2. To provide an adequate frame for the establishment of an ongoing Agricultural Information System to monitor and evaluate the changes occurring in this sector on a regular and continuing basis.
3. To strengthen the capabilities of the Planning Unit in the Ministry of Agriculture (MOA), and other related institutions, to plan, design, collect, process, analyse and disseminate information for the agricultural sector.

There were specific objectives outlined for the project as it relates to the collection of detailed data on the structural variables of agriculture, as follows:

1. Number and area of farm parcels by type of tenure;
2. Legal status of farms;
3. Land use area of farm parcels;
4. Sex, age and hours worked on farm by household members;
5. Education and main occupation of the farmer;
6. Farm labour;
7. Type of crops grown on farm parcels;
8. Number, type, sex and age of livestock;
9. Use of irrigation and agro-chemicals for crop production;
10. Use of farm machinery and equipment;
11. Proportion of farmers' income from agriculture;
12. Production and other issues

KIND OF DATA

Census/enumeration data [cen]

UNITS OF ANALYSIS

Households

Scope

NOTES

The scope of the study covered:

- I. Location of farm and farmer
- II. Legal status of farm
- III. Farmer and household member demographics
- IV. Farm employment – Paid and unpaid labour
- V. Number and area of farm parcels
- VI. Tenure of farm parcels
- VII. Area under land use
- VIII. Number of permanent trees planted
- IX. Number of farms growing temporary crops by area
- X. Use of irrigation on the farm by type
- XI. Number and type of livestock
- XII. Disposal of livestock by type
- XIII. Use of fertilizers and agro-chemicals:
 - Chemical fertilizers
 - Organic manure
 - Fungicides
 - Herbicides
 - Insecticides
 - Other pesticides
- XIV. Ownership and used of agricultural machinery and equipment
- XV. Miscellaneous Information
 - Markets for production
 - Farmer belonging to farm organizations
 - Receipt of technical assistance and information
 - Access to credit
 - Proportion of farmer's income from farm production
 - Keeping of farm records
- XVI. Issues of production

TOPICS

Topic	Vocabulary	URI
Agriculture & Rural Development	FAO	
Land (policy, resource management)	FAO	
Water	FAO	
Livestock	FAO	

Coverage

GEOGRAPHIC COVERAGE

National coverage

UNIVERSE

The statistical unit in the GAC 2012 was the farm, defined as an "economic unit of agricultural production under single management comprising all livestock kept and all lands used, wholly or partly, for agricultural production purposes, without regard to title, legal form, or size. Single management may be exercised by an individual or household, jointly by two or more individual or households, by a clan, village or juridical person such as a company, cooperative or government agency. The farm's land may consist of one or more parcels located in one or more watersheds (WSs), provided that the parcels share the same 'production means' utilized by the farm, such as labour, farm buildings, machinery or draught animals". There are two types of agricultural holdings: holdings in the household sector and holdings in the non-household sector.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Central Statistical Office (CSO)	Ministry of Finance of Grenada

OTHER PRODUCER(S)

Name	Affiliation	Role
Ministry of Agriculture		Technical assistance
Food and Agriculture Organization		Technical assistance

FUNDING

Name	Abbreviation	Role
Government of Grenada		Funding
European Union	EU	Funding

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Office of Chief Statistician	OCS	Food and Agriculture Organization	Adoption of metadata for FAM
Census team, Statistics Division	ESS	Food and Agriculture Organization	Metadata producer

DDI DOCUMENT VERSION

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Sampling

Sampling Procedure

1. Sample selection

The census was a complete enumeration exercise with visits to every household on the islands of Grenada, Carriacou and Petit Martinique. Visits to the households were directed with the use of ED maps. This allows for the collection of the census data at the smallest geographical level. The islands were subdivided into a total of 264 EDs and 8 parishes, with 5 EDs excluded for this census. These were four in the parish of St. George which contains the greater part of the capital's commercial center, consisting mainly of business and financial buildings and one in the parish of St. Andrew. Coverage a household form was used to screen for the presence of farms in the household, and once this was found the farm questionnaire was completed.

2. Census Frame

The frame used in the 2012 GAC was obtained from a number of agencies including the CSO and the MOA. The list provided by the CSO was obtained from the 2011 Population and Housing Census from households and institutions who reported having some form of agricultural activity, in relation to the agriculture questions set out in the questionnaire. The MOA provided a combined list generated from the registration of farmers by its extension area offices and from other farmer organizations together with a list of the large farms on the island.

3. Cartography

The Enumeration District maps used for the 2011 Population and Housing Census were the same ones used for the enumeration of the 2012 GAC and were provided by the CSO. Each enumerator was furnished with a minimum of two types of ED maps to enable more precise location of boundaries whilst canvassing the ED. A combination of a hand drawn, a digitized, a topographic, or a satellite photograph was given.

Questionnaires

Overview

Two questionnaires were used:

- (i) a short listing form (GAC 01)
- (ii) a long farm questionnaire (GAC 02)

The census covered all 16 core items recommended by FAO. The 16 items are:

- 0001 Identification and location of agricultural holding
- 0002+ Legal status of agricultural holder
- 0003 Sex of agricultural holder
- 0004 Age of agricultural holder
- 0005 Household size
- 0006 Main purpose of production of the holding
- 0007 Area of holding according to land use types
- 0008 Total area of holding
- 0009 Land tenure types on the holding
- 0010 Presence of irrigation on the holding
- 0011 Types of temporary crops on the holding
- 0012 Types of permanent crops on the holding and whether in compact plantation
- 0013 Number of animals on the holding for each livestock type
- 0014 Presence of aquaculture on the holding
- 0015+ Presence of forest and other wooded land on the holding
- 0016 Other economic production activities of the holding's enterprise

Data Collection

Data Collection Dates

Start	End	Cycle
2012-09-24	2013-01-15	N/A

Data Collection Mode

Face-to-face [f2f]

Data Collection Notes

The country was divided into EDs (287 in total). The enumerators had to canvass the assigned ED identifying all households in it and applying the short questionnaire (GAC 01) to identify those holdings above the thresholds and to collect information from small holdings below it. The long questionnaire (GAC 02) was applied to all holdings above the thresholds. A complete enumeration was conducted in 98 percent of the EDs, with the exception of a few gated areas.

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Data Processing

Data Editing

1. DATA PROCESSING AND ARCHIVING

Data were manually edited, coded and keypunched. Data were entered using Microsoft Access Database. Analysis and tabulation were done in SPSS.

2. CENSUS DATA QUALITY

Field supervision was applied to ensure quality during the field operations. Checking against external data was performed to assess the accuracy of the data.

Data Appraisal

No content available