

Vanuatu - Agriculture Census 2006-2008

Vanuatu National Statistics Office

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Overview

Identification

ID NUMBER

VUT_2006-2008_AC_v01_EN_M_v01_A_OCS

Overview

ABSTRACT

The Agriculture Census 2006-2008 was the third undertaken in Vanuatu reflecting the year 2007 for the purpose of compiling information on agriculture, forestry and fisheries resources. Data collected will be used to formulate plans, policies and programs for the development and improvement of these sectors. This census was conducted by the Vanuatu National Statistics Office (VNSO), a centralized organization mainly responsible for the collection and dissemination of important statistics in the country by means of censuses of population, agriculture, household income and expenditure surveys, business surveys, collection of imports and exports data, etc. However, owing to limited resources, the VNSO cannot accommodate requests for extra data needed by other government and private sectors: hence, these data may have to be collected independently. Agricultural statistics in Vanuatu are produced in two ways: through census/ survey and through administrative records. The census/survey provides baseline or benchmark information for planners and policymakers while the data from administrative records are used to keep track of changes and development in specific aspects of agriculture.

KIND OF DATA

Census/enumeration data [cen]

UNITS OF ANALYSIS

Agricultural holdings

Scope

NOTES

The scope of the census covered the following sections:

(a) HOUSEHOLDS:

- Structure and characteristics of agricultural activities of households in Vanuatu
- Number and distribution of household engaged in agriculture
- General characteristics of the household agricultural activities:
 - Type of agricultural activities
 - Type of management
 - Number of household's members mainly responsible for agricultural activities in the last twelve months

(b) INDIVIDUALS:

- Characteristics of members of the household engaged in agricultural activities:
 - Relation to head
 - Age
 - Sex

- Highest education
- Involvement and average hours worked per week in agricultural activities
- Number of hired workers and average hours worked per day per person

TOPICS

Topic	Vocabulary	URI
Agriculture & Rural Development	FAO	
Forests & Forestry	FAO	
Livestock	FAO	
Labor	FAO	

Coverage

GEOGRAPHIC COVERAGE

National coverage

UNIVERSE

The Survey covers all rural households

- Crop gardening
- Kava sub-holding
- Coconut sub-holding
- Cocoa sub-holding
- Coffee sub-holding
- Vanilla sub-holding
- Pepper sub-holding
- Cattle sub-holding
- Other livestock keeping
- Household fishing
- Household forestry-related activity

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Vanuatu National Statistics Office	Vanuatu Government

OTHER PRODUCER(S)

Name	Affiliation	Role
Statistics and Demography Program	South Pacific Community	Technical Assistance

Food Agriculture Organisation	United Nation	Technical Assistance
Nirman Pty Ltd	Private Consultation Agency	Data Analysis & Report Writing

FUNDING

Name	Abbreviation	Role
New Zealand Aid Agency	NZaid	Principal Funder
Vanuatu Government	VANGOV	Funding
Food Agriculture Organisation	FAO	Funding
Australian Aid Agency	AusAID	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
Vanuatu National Statistics Office	VNSO	Vanuatu Government	Documentation of the study
Statistics for Development Division	SDD	Pacific Community	Review of the documentation

DDI DOCUMENT VERSION

VUT_2006-2008_AC_v01_EN_M_v01_A_OCS_v01

DDI DOCUMENT ID

DDI_VUT_2006-2008_AC_v01_EN_M_v01_A_OCS_FAO

Sampling

Sampling Procedure

SAMPLING METHOD:

The Agriculture Census (Phase I and II) was undertaken in eighteen main islands of Vanuatu which are: namely, Banks, Torres, Malo, Santo, Ambae, Maewo, Pentecost, Malekula, Ambrym, Paama, Epi, Shepherds, Efate, Erromango, Tanna, Aneityum, Aniwa and Futuna. The 18 major islands were classified as:

- Small - number of households engaged in agricultural activities less than 500 (Torres, Paama, Erromango, Aniwa, Aneityum and Futuna);
- Medium - number of households engaged in agricultural activities 500-1,999 (Banks, Malo, Maewo, Ambrym, Epi and Shepherds); and
- Large - number of households operating agricultural activities 2,000 or more (Efate, Malekula, Ambae, Pentecost and Tanna).

In determining the number of households to be interviewed in each island and in each enumeration area (EA):

- for small islands, all households were listed, and the identified households engaged in agricultural activities were enumerated;
- for medium-sized islands, one-third of the sample EAs in these islands were selected and all households were listed and those found to be engaged in agricultural activities were interviewed; and
- for large islands, one-third of the total EAs were selected in each island and all households listed. Of households found to have a crop garden, coconut sub-holding or kava sub-holding, one-third were selected to be further interviewed. In addition, all households listed and involved in the sub holding of cattle and cash crops like cocoa, coffee (for Tanna only), vanilla and pepper (10 or more plants) were also enumerated

Response Rate

100 percent

Weighting

“SWEIGHT” should be applied to all households (questionnaires) with household forms. In addition, this should be applied when generating totals for Kava and Coconut sub-holdings characteristics.

On the other hand, “DWEIGHT” should be used when tabulating Cocoa, Vanilla, Pepper, and Cattle sub-holdings characteristics.

Note that when cross tabulation is to be done for variables from these two different weighting groups (mixed), the sample weight “SWEIGHT” should be used.

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
2006-10-01	2008-10-30	N/A

Data Collection Mode

Face-to-face [f2f]

Data Processing

Data Editing

(a) EDITING

Eight data entry operators were hired by the project to do the data encoding of the Phase I of the project. This was the first-hands on as far as the software is concerned for all the data entry operators. Before the actual data entry, the data processing expert had all eight operators plus the supervisors on a training session for a few days. At the end of the training session, they were familiar with the software and then started the actual data encoding. The processing of data for Phase I of the project took the entire month of June 2006 to be completed. During the Phase II of the project, the expert set up the system and trained the local staff on system operation for two weeks and then left for his home country. Since the project staff and the data entry operators who were hired were already familiar with CsPro, the whole data processing was done without the presence of the consultant. The expert later came for his final mission to prepare the data for tabulation and generate the required tables using the table specifications for that purpose.

(b) PROCESSING

Coding, processing and tabulation were completed by mid-September 2006. The machine data processing of the forms was done using CsPro. Data encoding, data cleaning and tabulation were done using data entry, batch edit and cross tab applications respectively. Control and management of the data entry of the forms and data cleaning of the batch files were done using SCIPS (Survey / Census Integrated Processing System), a Visual Basic 6 (VB6) program developed by the expert designed to integrate the different phases of data capture and data cleaning of any survey/census. The program facilitates the assignment of folios to keyers that resulted to automatic recording of the data capture status of each batch/folio and eliminated errors in the encoding of the geographic identification codes. It also made the data cleaning easier since SCIPS enabled the users to correct errors found by the data consistency and completeness check programs without printing the generated error list.

Data Appraisal

No content available