

Malawi - Census of Agriculture, 2006-2007

National Statistical Office (NSO), Ministry of Agriculture and Food Security (MoAFS)

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Overview

Identification

ID NUMBER

MWI_2006-2007_AC_v01_EN_M_v01_A_OCS

Overview

ABSTRACT

Malawi's economic growth and development depends on the agricultural sector. In order to plan for agricultural development, comprehensive, reliable and up to date data on state of agriculture, ownership,

use of agricultural land, volume and value of production are essential. Reliable data of food and agricultural production for marketing and own consumption are also required for poverty reduction, food

security management and estimation of agricultural GDP. Data on various aspects of agriculture are also required for monitoring of agricultural development programmes. The last agricultural sample census was

carried out in 1991/92. Given the large demographic, economic and social changes since 1991/92, it is therefore important to get up to date information.

Basic objectives:

- To provide data for clarifying the social and economic factors affecting the country's agricultural structure by interrelating various characteristics of the holding
- To provide aggregate totals for fundamental agricultural data from both smallholder and commercial sectors for use as the benchmark for inter-censal estimates
- To provide basic data for the formulation and implementation of a comprehensive integrated system of food and agriculture
- To analyse food security at the household level
- To provide basic data regarding current use and changes in agriculture
- To enable government to formulate plans to improve productivity especially of smallholder sector
- To provide a frame for other agricultural sample surveys

KIND OF DATA

Census/enumeration data [cen]

UNITS OF ANALYSIS

Households

Scope

NOTES

The scope of the study covered topics related to agriculture, marketing, livestock and health related issues.

TOPICS

Topic	Vocabulary	URI
Agriculture & Rural Development	FAO	

Food (production, crisis)	FAO	
Land (policy, resource management)	FAO	
Trade	FAO	
Livestock	FAO	

KEYWORDS

Crop production, Livestock production

Coverage

GEOGRAPHIC COVERAGE

National coverage

UNIVERSE

statistical unit was the agricultural production household ("agricultural household").

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
National Statistical Office (NSO)	Government of Malawi
Ministry of Agriculture and Food Security (MoAFS)	Government of Malawi

OTHER PRODUCER(S)

Name	Affiliation	Role
Statistics Norway		Technical assistance

FUNDING

Name	Abbreviation	Role
The Norwegian Government		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

MWI_2006-2007_CA_v01_EN_M_v01_A_OCS_v01

DDI DOCUMENT ID

DDI_MWI_2006-2007_CA_v01_EN_M_v01_A_OCS_FAO

Sampling

Sampling Procedure

SAMPLE FRAME AND DESIGN

The CA 2006/2007 was conducted based on a sample enumeration. The Malawi Population and Housing Census (MPHC) 1998 provided the frame of EAs for the CA 2006/2007. The sampling frame of agricultural households was built on the basis of the listing of households from the sampled EAs. Each district was stratified by agro-ecological zones and each EA was stratified by land cultivated (small-scale farmers and large-scale farmers). Sampling of households was undertaken based upon the listing of households, four strata were identified (estate households, large-scale smallholders, small-scale smallholders and landless households). All estates were included in the AC, while landless households were not in the target population. Actual sampling was done among small-scale and large-scale smallholders. It was decided to select five large-scale and ten small-scale households from each EA. Where less than five large-scale households were found, the number of small-scale households sampled was increased correspondingly in order to achieve a total of 15 from each EA.

A two stage sample design was used; where the first sampling units were the Enumeration Areas (EAs) and the second sampling units were farming households. Stratification was done at district level and at EA level. Each district was stratified by agro-ecological zones and each EA was stratified by land cultivated (small scale farmers and large scale farmers). This stratification was done to improve the precision of the estimates by reducing the variance between EA and within EA. The total sample size was 25 000 households nationwide. The sample size at EA level was 15 households.

Questionnaires

Overview

The CA used a set of nine questionnaires ("modules"). Eight questionnaires were used for holding-level data collection:

- (1) Household Composition
- (2) Land Parcels
- (3) Plot Details (information on production and area)
- (4) Food Security and HIV/AIDS
- (5) Marketing
- (6) Welfare Monitoring Survey
- (7) Livestock Survey
- (8) Estate Survey

The Village Facility Survey questionnaire was used to collect community-level data. The CA questionnaires covered 12 of the 16 core items⁴ recommended for the WCA 2010 round. (The following core items were not covered by the CA: (i) "Legal status of agricultural holder"; (ii) "Presence of aquaculture on the holding"; (iii) "Presence of forests and other woodland on the holding"; (iv) "Other economic production activities of the holding's enterprise".)

Data Collection

Data Collection Dates

Start	End	Cycle
2007-01	2007-10	N/A

Data Collection Mode

Face-to-face [f2f]

Data Collection Notes

Objective measurement was also applied to measure the areas of land parcels and plots.

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Data Processing

Data Editing

1. DATA PROCESSING AND ARCHIVING

Data entry was accomplished by scanning the questionnaires using the Eyes and Hands software. Data processing and analysis was done using SPSS.

2. CENSUS DATA QUALITY

There was an effort to reconcile the CA 2006/2007 data with the estimates from the MoAFS annual Agriculture Production Estimation Survey (APES); however, the APES estimates were significantly higher and the evaluation was inconclusive.

Data Appraisal

No content available