

# Ghana - Agricultural Production Survey (Second Round), 2012-2013

**Ministry Of Food and Agriculture / Statistics Research Information Directorate**

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## Overview

### Identification

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#### ID NUMBER

GHA\_2012-2013\_APS-W2\_v01\_EN\_M\_v01\_A\_OCS

### Overview

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#### ABSTRACT

The objective of the survey is to strengthen the Multi-Round Annual Crop and Livestock Surveys (MRACLS) that the ministry implements through the Statistics, Research and Information Directorate (SRID). The MRACLS is the national agricultural survey on the basis of which SRID releases information on agricultural production and yields of important crops. The ultimate goal of the Agricultural Production Survey (APS) is to provide more accurate and timely agricultural production estimates at the district, regional, and national levels. The survey is also to offer an opportunity for SRID to experiment with a number of potential improvements with a view to developing the required skills and competencies before scaling up, over time, to all the districts in the country.

As part of the terms of implementing the APS, MoFA agreed to assign four Agriculture Extension Agents (AEAs) per district for data collection. The Agents were relieved from all extension duties. To distinguish these field data collection officers from other extension agents, they were referred to as District Agricultural Statistical Assistants (DASAs). One officer per district was designated as a District Management Information System (MIS) officer and was given additional responsibility as field supervisor and referred to as District Agricultural Statistical Officer (DASO). A total of 100 DASAs and DASOs were successfully trained and deployed to their districts for survey implementation and given the task of collecting and processing data from the field.

#### KIND OF DATA

Sample survey data [ssd]

#### UNITS OF ANALYSIS

Households

### Scope

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#### NOTES

The scope of the survey includes the following:

(a) The Household and Holding Inquiry - Pre-Harvest questionnaire, also known as the form 2a.

This was used to make enquiries on the general characteristics of households and holdings for pre-harvest farming activities during the minor season. Information sought included changes in the household composition, detailed information on livestock, poultry and other animals owned by the selected holders, detailed information on tree crops grown by the selected holders, information on aquaculture practices, inputs, outputs and assets.

(b) The Household and Holding Inquiry - Post-Harvest questionnaire, also known as form 2b.

This was used to make enquiries on field practices, inputs and outputs. The following information were sought: inventory of fields, inputs and expenses, remaining major season production and marketing of crops, minor season crop production and marketing, holding information, shocks and adaptation to shocks, other income generating activities and household health status.

(c) The Household and Holding Inquiry - Pre-harvest field measurements questionnaire known as the form 3.

This questionnaire was used to gather data on the nature and characteristics of crop fields and area measurements for individual crop fields for all selected holdings.

(d) Crop Yield Measurement questionnaire also known as the form 4.

This was used to seek for data on the yields of food crops such as the cereals, root and tubers, plantain, legumes and nuts, and vegetables.

#### TOPICS

| Topic                   | Vocabulary | URI |
|-------------------------|------------|-----|
| Agricultural Production |            |     |

## Coverage

#### GEOGRAPHIC COVERAGE

National coverage

#### UNIVERSE

Agricultural household and holdings.

## Producers and Sponsors

#### PRIMARY INVESTIGATOR(S)

| Name                                                                           | Affiliation         |
|--------------------------------------------------------------------------------|---------------------|
| Ministry Of Food and Agriculture / Statistics Research Information Directorate | Government of Ghana |

#### OTHER PRODUCER(S)

| Name                           | Affiliation                                  | Role              |
|--------------------------------|----------------------------------------------|-------------------|
| Ghana Strategy Support Program | International Food Policy Research Institute | Technical Support |

#### FUNDING

| Name                                         | Abbreviation | Role              |
|----------------------------------------------|--------------|-------------------|
| International Food Policy Research Institute | IFPRI        | Financial Support |

## Metadata Production

#### METADATA PRODUCED BY

| Name                                                                           | Abbreviation | Affiliation                       | Role                       |
|--------------------------------------------------------------------------------|--------------|-----------------------------------|----------------------------|
| Office of Chief Statistician                                                   | OCS          | Food and Agriculture Organization | Metadata adapted for FAM   |
| Ministry Of Food and Agriculture / Statistics Research Information Directorate | MOFA/SRID    | Government of Ghana               | Documentation of the study |

#### DDI DOCUMENT VERSION

GHA\_2012-2013\_APS-W2\_v01\_EN\_M\_v01\_A\_OCS\_v01

#### DDI DOCUMENT ID

DDI\_GHA\_2012-2013\_APS-W2\_v01\_EN\_M\_v01\_A\_OCS\_FAO

# Sampling

## Sampling Procedure

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The survey employed a three stage, multi-sampling design in response to the Government of Ghana's requirement for reliable agricultural statistics at the national, regional and district levels.

· First Stage Sampling- Selection of 2 Districts from each of the 10 Regions.

A total of 20 districts, 2 from each of the 10 regions were randomly selected with probability proportional to size, using districts' population in year 2000 as a measure of size. Eleven Metropolitan and Municipal Assemblies (Kumasi, Sunyani, Cape Coast, New Juaben, Accra, Tema, Tamale, Bolgatanga, Wa, Ho and Shama Ahanta East) were excluded from the study, given their urban predominance.

· Second Stage Sampling - Selection of 40 Enumeration Areas (EAs) from each of the 20 Districts.

A total of 800 EAs was selected; 40 EAs were randomly selected with probability proportional to size in each district, using the list of EAs compiled by the 2010 Census as a sample frame, and projected total population as a measure of size. In the Kassena-Nankana East district, 53 of the 187 EAs compiled by the 2010 census were excluded from the study because of the land disputes prevalent in the area earlier in 2011.

· Third Stage Sampling - Selection of 5 holders

At the third stage, five holders were randomly chosen in each EA, using as a sample frame; the full list of all holders, compiled from the Household and Holders Listing questionnaire. This provides a total sample of 4000 holders, consisting of 200 holders per district.

## Response Rate

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The response rate for the survey was 70%.

## Weighting

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No weights are attached to the dataset.

## Questionnaires

No content available

## Data Collection

### Data Collection Dates

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| <b>Start</b> | <b>End</b> | <b>Cycle</b> |
|--------------|------------|--------------|
| 2012-05      | 2013-05    | N/A          |

### Data Collection Mode

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Computer Assisted Personal Interview [capi]

## Data Processing

No content available

## Data Appraisal

No content available