

National Census of Agriculture and Livestock 2020-2022

**Ministry of Agriculture and Livestock (Ministère de l'Agriculture et de l'Élevage),
National Agency of Agricultural and Food Statistics (ANASA, Agence Nationale des
Statistiques Agricoles et Alimentaires)**

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Identification

SURVEY ID NUMBER

GIN_2021_RNAE_v01_M_v01_A_ESS

TITLE

National Census of Agriculture and Livestock 2020-2022

ABBREVIATION OR ACRONYM

RNAE 2020-2022

TRANSLATED TITLE

Recensement National de l'Agriculture et de l'Elevage 2020-2022

COUNTRY

Name	Country code
Guinea	GIN

STUDY TYPE

Agricultural Census [ag/census]

SERIES INFORMATION

The first Agricultural Census was undertaken in Guinea in 1988/1989, and the second in 2000/2001. The National Census of Agriculture and Livestock (RNAE, Recensement National de l'Agriculture et de l'Elevage) 2020-2022 is the third conducted in the country.

ABSTRACT

Guinea's National Economic and Social Development Plan (PNDES) identified the agricultural sector as the main driver of economic growth, as well as a key pillar for reducing poverty and eliminating food and nutrition insecurity. The National Census of Agriculture and Livestock 2020-2022 collected comprehensive data on the structure of the agricultural sector in Guinea, providing a deeper understanding of this sector. This data meets the growing and urgent need for information by decision-makers and economic operators, enabling them to design and implement intervention strategies on a sound and informed basis.

KIND OF DATA

Census/enumeration data [cen]

UNIT OF ANALYSIS

Agricultural holdings

Scope

NOTES

The census scope covered agricultural activities (crops and livestock production), fishing, aquaculture, and forestry. Through the community questionnaire, the scope also covered, among other aspects, basic and socio-economic infrastructure, communications networks, multifunctional and cultural socio-economic organizations, and main challenges in several production sectors (agriculture, livestock, forestry, aquaculture).

The household sector agropastoral holdings questionnaire collected data on:

1. Identification of the holding
2. Number of households in the holding and socio-demographic characteristics of the head of household
3. Agricultural activities of the household
4. Access to and use of land
5. Crops
6. Agricultural and environmental practices
7. Livestock and poultry
8. Supervision and credit
9. Non-agricultural activities of household members

The modern holdings questionnaire collected data on:

1. Identification of the holding
2. Characteristics of the holding
3. Labor force
4. Materials, equipment, and infrastructure
5. Main crops grown during the 2019-2020 farming season
6. Inventory of the farm's livestock
7. Forests and forestry
8. Fishing and aquaculture
9. Constraints limiting production

KEYWORDS

Keyword
Structure of agriculture
Land use
Crops
Livestock and poultry
Forestry
Fishing
Aquaculture

Coverage

GEOGRAPHIC COVERAGE

The National Census of Agriculture and Livestock 2020-2022 covered rural areas, the peri-urban area of Conakry and towns in administrative regions.

UNIVERSE

The statistical units were family agro-pastoral holdings and modern holdings. The latter were classified as operated by either a natural person or a juridical person.

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Ministry of Agriculture and Livestock (Ministère de l'Agriculture et de l'Élevage), National Agency of Agricultural and Food Statistics (ANASA, Agence Nationale des Statistiques Agricoles et Alimentaires)

PRODUCERS

Name
Ministry of Fisheries and Maritime Economy (MPEM, Ministère de la Pêche et de l'Économie Maritime)
Ministry of the Environment and Sustainable Development (MEDD, Ministère de l'Environnement et du Développement Durable)
National Institute of Statistics (INS, Institut National de Statistique) of Guinea

FUNDING AGENCY/SPONSOR

Name	Role
World Bank Group	Funding
French Development Agency (AFD, Agence Française de Développement)	Funding

Sampling

SAMPLING PROCEDURE

The National Census of Agriculture and Livestock 2020-2022 was composed of a core module and three thematic modules on agriculture and forestry, livestock, fisheries and aquaculture.

The National Census of Agriculture and Livestock 2020-2022 used a combination of complete and sample enumeration. The core module was collected using complete enumeration, while data for the thematic and supplementary modules were collected using sample enumeration.

The frame used for the core module was the list of enumeration areas (EAs) from the General Housing Population Census that took place in 2014. It was composed of 9679 EAs, of which 6960 were from rural areas and 2719 from urban areas. The average size of EAs was 186 holdings in urban areas and 140 holdings in rural areas. The respondents identified in the core module were used as the sampling frame for the supplementary and thematic modules.

The survey estimates for the thematic and supplementary modules are representative at the prefectural level. The sampling design adopted for both modules was a two-stage probability sampling.

In the first stage, units were stratified by the 33 prefectures as strata, with the aim of achieving representative estimates for key variables. The sample was drawn independently within each prefecture using systematic sampling in the first stage, with implicit urban-rural stratification, and simple random sampling in the second stage.

For the rainfed crops module, the first stage sampling frame consisted of 7084 EAs containing 1 117 470 households engaged in rainfed crops cultivation. In the first stage, 1320 EAs, allocated proportionally in each stratum, were selected. The total sample size was estimated at 13 200 agricultural holdings at the national level.

For the module on production of fruit crops, the first stage sampling frame consisted of 7509 EAs containing 965 504 households. In the first stage, 1157 EAs were selected. In the second stage, 11 570 holdings practicing fruit crop cultivation were selected.

Data collection

DATES OF DATA COLLECTION

Start	End
2021-05	2021-12

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

DATA COLLECTION NOTES

The census staff included 4 trainers of trainers, 48 trainers of field staff, 80 team leaders, 800 enumerators, 16 regional supervisors, 12 digital supervisors, and 38 prefectural supervisors.

The fieldwork for the core module was carried out from May to December 2021 with an interruption from 5 September to 30 October 2021. The field data collection of the supplementary thematic modules was planned between 2022 and 2023. Census preparatory activities resumed in 2020 with funding from the World Bank Group and the French Development Agency. Preparation activities were expected to re-start in March 2020 by updating the census methodology and instruments aiming for enumeration in September 2020. Due to the COVID-19 pandemic, the signature of the agreement with the French Development Agency was delayed. With the state of emergency in the country, the government reprogrammed census activities. The pandemic delayed the deployment of experts in the field. However, the National Agency of Agricultural and Food Statistics moved forward on the finalization of administrative and technical documents (methodology, questionnaires, data collection schedule, training manuals, etc.) and procurement of equipment.

Data was collected using tablets with the Survey Solution software and through the CAPI method.

QUALITY ASSURANCE

Pre-testing of the data collection instruments was conducted to:

- test the organizational collection mechanism and the various questionnaires developed

- evaluate the duration of fieldwork

Several teams of supervisors were trained for the supervision of data collection activities in the field. Prefectural and regional supervisors performed supervision in the field twice a month. Digital supervisors tracked data daily and edited inconsistencies to be sent back for corrections. There were also spontaneous missions for coordination of the census led by the members of the Central Bureau of the Census. These teams went into the field once a month throughout the territory. During these supervision missions, the teams focused on the following aspects:

- the precision of the response
- response rate and respondent behavior
- accuracy of interviews
- accuracy in filling out questionnaires
- data quality and risk assessment

questionnaires

QUESTIONNAIRES

Two questionnaires were used to collect data for the core module:

1. household sector agropastoral holdings questionnaire
2. modern holdings questionnaire

Three questionnaires were used to collect data for the supplementary thematic modules:

1. agriculture-forestry module questionnaire
2. livestock module questionnaire
3. fisheries/aquaculture module questionnaire

The questionnaires for the core module covered 14 out of 23 essential items recommended in the WCA 2020.

A community survey questionnaire was used to collect data at the village level related to basic infrastructure (roads, water, and electricity), schools, health and socio-economic infrastructure, natural resources, etc.

data_processing

DATA EDITING

Data was temporarily stored to a local server in Guinea for analysis, processing, correction if necessary, and validation for transfer to the final database. SPSS and STATA software were used to process the data sent to the server.

DATA PROCESSING NOTES

Direct data capture was ensured by the CAPI method. Data was transferred in real-time to the Survey Solutions server platform in the cloud. Data was then transferred to a local server in Guinea using a computer program developed to automate, organize and facilitate the operation.

Access policy

CONTACTS

Name	Affiliation	Email	URL
National Agency of Agricultural and Food Statistics (ANASA, Agence Nationale des Statistiques Agricoles et Alimentaires)	Ministry of Agriculture and Livestock (Ministère de l'Agriculture et de l'Élevage)	contact@anasa.gov.gn; info@anasa.gov.gn	www.anasa.gov.gn

ACCESS CONDITIONS

For data access and use information please contact the National Agency of Agricultural and Food Statistics of Guinea.

Email: contact@anasa.gov.gn; info@anasa.gov.gn

Website: www.anasa.gov.gn

Metadata production

DDI DOCUMENT ID

DDI_GIN_2021_RNAE_v01_M_v01_A_ESS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
National Agency of Agricultural and Food Statistics (Agence Nationale des Statistiques Agricoles et Alimentaires)	ANASA	Ministry of Agriculture and Livestock (Ministère de l'Agriculture et de l'Élevage)	Metadata producer
Statistics Division	ESS	Food and Agriculture Organization of the United Nations	Metadata adapted for FAM
Development Data Group	DECDG	World Bank Group	Metadata adapted for World Bank Microdata Library

DDI DOCUMENT VERSION

Identical to a metadata (GIN_2020_2022_RNAE_v01_M_v01_A_ESS) published on FAO microdata repository (<https://microdata.fao.org/index.php/catalog>). Some of the metadata fields have been edited.

data_dictionary

Data file	Cases	variables
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study_resources