

Renewable Natural Resources Census 2019

**Ministry of Agriculture and Livestock of Bhutan, Policy and Planning Division,
National Statistics Bureau of Bhutan, Agricultural Statistics Division**

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Identification

SURVEY ID NUMBER

BTN_2019_RNRC_v01_M_v01_A_ESS

TITLE

Renewable Natural Resources Census 2019

ABBREVIATION OR ACRONYM

RNRC 2019

COUNTRY

Name	Country code
Bhutan	BTN

STUDY TYPE

Agricultural Census [ag/census]

SERIES INFORMATION

The first Renewable Natural Resources Census in Bhutan was conducted in 2000 followed by the second in 2009. The Renewable Natural Resources Census 2019 was the third census in Bhutan.

ABSTRACT

The objectives of the census are to establish a reliable database of Bhutan's farmers and farm holdings; to establish a statistically sound system of data collection for the renewable natural resources sector; and to meet data requirements and provide baseline data on this sector. The census will generate a wealth of information that will enhance the understanding of agricultural operations within the economy and evidence-based decision-making for the development and implementation of effective policies and programmes in the renewable natural resources sector.

KIND OF DATA

Census/enumeration data [cen]

UNIT OF ANALYSIS

Agricultural holdings

Scope

NOTES

The census scope covered agricultural activities (crops and livestock production) and forestry activities.

The questionnaire collected data on:

1. General characteristics
2. Household members demography
3. Holding area, land use and irrigation
4. Crops
5. Livestock
6. Farm mechanization
7. Credit
8. Work on the holding
9. Forestry

KEYWORDS

Keyword
Structure of agriculture
Land use

Crops
Livestock and poultry
Agricultural machinery and equipment
Agricultural labour
Forestry

Coverage

GEOGRAPHIC COVERAGE

The Renewable Natural Resources Census 2019 covered agricultural holdings in the rural and semi-urban areas of the country.

UNIVERSE

Statistical units were the agricultural holdings engaged in renewable natural resources' production activities, such as households, institutions, cooperative entities, etc. The agricultural holding was defined as an economic unit under single management comprising all livestock kept, and all land used wholly or partly for agricultural production purposes, regardless of the ownership. Single management may be exercised by an individual or household, jointly by two or more individuals or households, by a clan or tribe, or by a juridical person such as a corporation, cooperative or government agency (e.g. Bhutan Livestock Development Cooperation Limited).

Units engaged in agricultural activities in towns, schools, and military barracks were excluded from the census.

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Ministry of Agriculture and Livestock of Bhutan, Policy and Planning Division
National Statistics Bureau of Bhutan, Agricultural Statistics Division

FUNDING AGENCY/SPONSOR

Name	Role
EU Rural Development and Climate Change Response Programme	Funding
Global Agriculture and Food Security Program (GAFSP), Food Security and Agriculture Productivity Project	Funding

Sampling

SAMPLING PROCEDURE

The list frame of households for the Renewable Natural Resources Census 2019 was built from the frame developed for the Population and Housing Census of Bhutan 2017, and the frame maintained by the Gewog (subdistricts) extension officers.

The census was conducted using complete enumeration.

Data collection

DATES OF DATA COLLECTION

Start	End
2019-03-01	2019-04-15

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

DATA COLLECTION NOTES

Data collection was done through computer assisted personal interviews (CAPI) using mobile devices, such as tablets, laptops, or smartphones.

****QUALITY ASSURANCE****

To ensure data quality, the utmost attention was paid particularly to census operations, starting from the design of questionnaire and manuals; the standardization of enumerators' training, monitoring of field work, data validation and cleaning; data tabulation; and the writing of the report. A post-enumeration survey was conducted by selecting a few households at random from every Gewog and then a telephone interview was carried out to validate information.

questionnaires

QUESTIONNAIRES

Data was collected using one electronic questionnaire. The Renewable Natural Resources Census 2019 questionnaire covered all 23 essential items recommended in the WCA 2020.

data_processing

DATA EDITING

The data collection through CAPI enabled headquarters to receive data online and directly to the server. Data validation and cleaning were performed instantly, which also reduced the time incurred for data processing. The field data collected through CAPI were processed using STATA with a detailed tabulation plan.

Access policy

CONTACTS

Name	Affiliation	Email	URL
Agricultural Statistics Division	National Statistics Bureau of Bhutan	asd@nsb.gov.bt	Link

ACCESS CONDITIONS

Access and use information is set by the National Statistics Bureau of Bhutan:
<https://www.nsb.gov.bt/services/statistical-data-request/>.

For additional information contact the National Statistics Bureau of Bhutan.

Email: asd@nsb.gov.bt

Website: <https://www.nsb.gov.bt/>

Metadata production

DDI DOCUMENT ID

DDI_BTN_2019_RNRC_v01_M_v01_A_ESS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
Agricultural Statistics Division		National Statistics Bureau of Bhutan	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 (BTN_2019_RNRC_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

questionnaires

Renewable Natural Resources Census 2019 Questionnaire

title Renewable Natural Resources Census 2019 Questionnaire
filename BTN_2019_RNRC_questionnaire.pdf

reports

Bhutan - Agricultural Census 2019, Main Results

title Bhutan - Agricultural Census 2019, Main Results
filename BTN_2019_RNRC_main_results.pdf

RNR Census 2019, Report

title RNR Census 2019, Report
filename BTN_2019_RNRC_report.pdf

technical_documents

Enumerators Manual RNR Census 2019

title Enumerators Manual RNR Census 2019
filename BTN_2019_RNRC_methodology1.pdf

Methodology and Instructions

title Methodology and Instructions
filename BTN_2019_RNRC_methodology2.pdf
