

United Republic of Tanzania, Zanzibar - Agriculture Sample Census Survey 2002-2003

National Bureau of Statistics, Office of Chief Government Statistician-Zanzibar

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Identification

SURVEY ID NUMBER

TZA_2002-2003_ASCS_v01_EN_M_v01_A_OCS

TITLE

Agriculture Sample Census Survey 2002-2003

COUNTRY

Name	Country code
United Republic of Tanzania, Zanzibar	TZA

STUDY TYPE

Agricultural Census [ag/census]

ABSTRACT

The 2002/03 Agriculture Sample Census Survey (ASCS) was designed to meet the data needs of a wide range of users down to district level including policy makers at local, regional and national levels, rural development agencies, funding institutions, researchers, NGOs, farmer organisations, etc. As a result the dataset is both more numerous in its sample and detailed in its scope compared to previous censuses and surveys. To date this is the most detailed Agricultural Census carried out in Africa. The census was carried out in order to:

- Identify structural changes if any, in the size of farm household holdings, crop and livestock production, farm input and implement use. It also seeks to determine if there are any improvements in rural infrastructure and in the level of agriculture household living conditions;
- Provide benchmark data on productivity, production and agricultural practices in relation to policies and interventions promoted by the Ministry of Agriculture and Food Security and other stake holders.
- Establish baseline data for the measurement of the impact of high level objectives of the Agriculture Sector Development Programme (ASDP), National Strategy for Growth and Reduction of Poverty (NSGRP) and other rural development programs and projects.
- Obtain benchmark data that will be used to address specific issues such as: food security, rural poverty, gender, agro-processing, marketing, service delivery, etc.

KIND OF DATA

Sample survey data [ssd]

UNIT OF ANALYSIS

Households

Scope

NOTES

The census covered agriculture in detail as well as many other aspects of rural development and was conducted using three different questionnaires:

- Small scale farm questionnaire
- Community level questionnaire
- Large scale farm questionnaire

TOPICS

Topic
Trade, Industry and Markets

Coverage

GEOGRAPHIC COVERAGE

National Coverage

UNIVERSE

Small scale and Large Scale Farmers within the community.

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
National Bureau of Statistics	Ministry of Planning and Empowerment
Office of Chief Government Statistician-Zanzibar	Ministry of Finance and Economic Affairs

PRODUCERS

Name	Role
Ministry of Agriculture and Food Security	Technical Assistance
Ministry of Water and Livestock Development	Technical Assistance
Ministry of Cooperatives and Marketing	Technical Assistance
Presidents Office, Regional Administration and Local Government	Technical Assistance
Ministry of Finance and Economic Affairs	Technical Assistance
Food and Agriculture Organization	Technical Assistance

FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
Government of Tanzania	GOTZA	Financial support
United Nation Development Program	UNDP	Financial support
Department for International Development	DFID	Financial support
Japan Government	GJ	Financial support
European Union	EU	Financial support

Sampling

SAMPLING PROCEDURE

The Mainland sample consisted of 3,221 villages. These villages were drawn from the National Master Sample (NMS) developed by the National Bureau of Statistics (NBS) to serve as a national framework for the conduct of household-based surveys in the country. The NMS was developed from the 2002 Population and Housing Census. The total Mainland sample was 48,315 agricultural households. In Zanzibar a total of 317 Enumeration Areas (EAs) were selected and 4,755 agriculture households were covered. Nationwide, all regions and districts were sampled except three urban district (two from Mainland and one from Zanzibar).

In both Mainland and Zanzibar, a stratified two stage sample was used. The number of villages/Enumeration Areas (EAs) were selected for the first stage with a probability proportional to the number of villages in each district. In the second stage, 15 households were selected from a list of farming households in each Village/EA using systematic random sampling.

WEIGHTING

Weights or expansion factors were calculated for every selected village/EA. These weights were used to produce tables for Tanzania Mainland and Zanzibar. The weights were prepared and calculated at different stages, including:

1. Primary stage weighting; using estimates on the number of rural households for each district, the total number of households for each selected village and, the number of selected villages in each district.
2. Secondary stage weighting; using estimates from the number of farming households and, number of selected farming households.

Refer to page 17-20 of the technical report document for detailed information on the weighting calculation and procedure.

Data Collection

DATES OF DATA COLLECTION

Start	End
2004-01-15	2004-03-15

DATA COLLECTION MODE

Face-to-face paper [f2f]

Data Appraisal

ESTIMATES OF SAMPLING ERROR

Very low standard errors, indicating that the data is accurate. The standard errors range from 0.0024 - 0.346. Refer to page 21-22 of the technical report document for calculations on the standard error estimates.

Access policy

CONTACTS

Name	Affiliation	Email	URL
Director General	National Bureau of Statistics	dg@nbs.go.tz	www.nbs.go.tz

CONFIDENTIALITY

Confidentiality of respondents is guaranteed by section 20 of Tanzania Statistics act number 1 of 2002. Before being granted access to the dataset, all users must formally agree that: 1. All identifying information such as the name and address of respondent has been removed; 2. The information is disclosed in a manner that is not likely to enable the identification of the particular person or undertaking or business to which it relates; 3. There is no attempt to identify any particular person or undertaking or business; 4. Use of information for research or statistically purpose only; 5. Not to disclose the information to any other person, organization; 6. When required by the Director General, return all documents made available to him to the Director General; 7. Comply with the directions given by the Director General relating to the records; 8. Every person involved in the research or statistical project for which information is disclosed pursuant to this section shall make the declaration of secrecy set out in the first schedule.

ACCESS CONDITIONS

Tanzania NBS considered three levels of accessibility:

- 1) Public use files, accessible by all
- 2) Licensed datasets, accessible under certain conditions
- 3) Datasets only accessible on location, for certain datasets

The dataset has been anonymized and available as a public use dataset. It accessible to all for statistical and research purposes only, under the following terms and conditions:

1. The data and other material will not be redistributed or sold to other individuals, institutions, or organization without the written agreement of the National Bureau of Statistics.
2. The data will be used for statistical and scientific research purposes only. They will be used solely for reporting of aggregated information, and not for investigation of specific individuals or organizations.
3. No attempt will be made to produce links among dataset provided by the National Bureau of Statistics, or among data from the (National Bureau of Statistics) and other datasets that could identify individuals or organizations
4. No attempt will be made to re-identify respondents, and no use will be made of the identify of any person or establishment discovered inadvertently. Any such discovery would immediately be reported to the National Bureau of Statistics.
5. Any books, articles, conference papers, theses, dissertations, reports, or other publications that employ data obtained from the National Bureau of Statistics will cite the source of data in accordance with the Citation Requirement provided with each dataset.

CITATION REQUIREMENTS

"National Bureau of Statistics, Agriculture Sample Census Survey 2002-2003 (AGRSCS 2002-2003), version 1.0 of the public use dataset (March 2004) provided by the National Bureau of Statistics, www.nbs.go.tz".

Disclaimer and copyrights

DISCLAIMER

"The user of the data should acknowledge that, National Bureau of Statistics is the original collector of the data, the authorised distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences without a written agreement from the National Bureau of Statistics"

Metadata production

DDI DOCUMENT ID

DDI_TZA_2002-2003_ASCS_v01_EN_M_v01_A_OCS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
Office of Chief Statistician	OCS	Food and Agriculture Organization	Metadata adapted for FAM
National Bureau of Statistics	NBS	Ministry of Planning and Empowerment	Metadata producer
Office of Chief Government Statistician in Zanzibar	OCGS	Government of Zanzibar	Metadata producer
Accelerated Data Program	ADP	PARIS21	Metadata reviewer

DDI DOCUMENT VERSION

TZA_2002-2003_ASCS_v01_EN_M_v01_A_OCS_v01

Data Description

Data file	Cases	Variables
annual crop and vegetable production-long rainy seasonR072	90008	23
annual crop and vegetable production-short rainy seasonR071	31739	29
Cattle diseases R185	51901	10
Cattle intake R183	30186	9
Cattle offtake R184	29006	10
Cattle population, intake and offtake R182	47879	8
crop extension messages R152	253521	9
crop extension services R151	84158	10
crop storage R092	382252	12
permanentperennial crops and fruit tree production R073	46111	20
Goat diseases R195	36111	10
Goat intake during 20022003 R193	29802	9
Goat offtake R194	28280	10
Goat population, intake and offtake R192	42467	8
Goat population, intake and offtake R092_1	42467	8
Goat population, intake and offtakeR092_1	42467	8
Livestock extension R291	83787	7
Livestock extension service providers R292	37185	9
Livestock Pest and Parasite control R220	48345	15
Livestock product R250	144963	8
marketing problem R102	522462	7
marketing problem R103	163310	7
Milk production R186	20541	11
Milk production R196	16065	9
access and use of resources R061	143855	9
access to farm inputs and implements R121	338414	11
access to functional Livestock StructuresaccessoriesR270	676830	7
activities of the householdR022	338308	6
Agroprocessing and by-productsR082	66768	18
Animal contribution to crop production R171	16752	9
Chicken diseases R240	241584	10
credit for Agriculture purposesR13_1	12176	4
erosion controlwater harvesting facilities R112	11246	8
farm implements and assets used and owned by the household during 2002-2003 R122	483450	11

Fish farming R282	520	16
household information R031	248219	17
Household information, Agriculture activities, Livestock informationR00	48345	97
labour use R311	1353660	6
land accessownershiptenure R041	302442	5
land use R051	574941	7
livelihood constraints R162	241725	7
livelihood constraintsR161	241725	7
other Livestock R230	434796	9
outlets for the sale of Livestock R260	241725	9
related to respondent and household head R122_00	483450	15
tree farmingagroforestry R142	9054	13
use of secondary products R076	21291	12
Pig diseasespestsconditions R215	10356	10
Pig increase R213	6155	9
Pig offtake R214	5723	10
Pig population and production R212	7025	5
Sheep diseases R205	12926	10
Sheep intake R203	11371	11
Sheep offtake R204	10889	12
Sheep population, intake and offtake R202	16355	9
R321	580140	8
R331	580140	8
R332	580140	8
use of credit for agriculture purposes R130	48345	5
use of credit for agriculture purposes R131	12176	9
use of credit for agriculture purposes R132	4566	7