Kenya - Humid Tropics Agrobiodiversity and Nutrition Project - Lean Season

Bioversity International, International Center for Tropical Agriculture (CIAT)

Report generated on: December 16, 2025

Identification

SURVEY ID NUMBER
KEN_2015_HTANP_LS_v01_M_v01_A_ESS

TITLE
Humid Tropics Agrobiodiversity and Nutrition Project - Lean Season

COUNTRY

Name	Country code
Kenya	KEN

STUDY TYPE
Individual Food Consumption/Dietary Survey [hh/ifcs]

SERIES INFORMATION
The Humid Tropics Agrobiodiversity and Nutrition Project is part of the Humidtropics and Agriculture for Nutrition and Health Research Programmes of CGIAR. The project aims to collect information on dietary intake indicators for women and children for the evaluation of the research projects' performance. This series of studies comprises: two diagnostic surveys conducted in the plenty season (between September and October 2014) and in the lean season (between March and April 2015); a baseline study conducted in November 2015; and an endline study conducted in November 2016.

ABSTRACT
The study aimed to provide information on dietary intake indicators for women and children for the evaluation of the Humid Tropics Agrobiodiversity and Nutrition Project performance. It covers the Lean Season, which is the period between planting and harvesting, when the lowest food availability is recorded.

KIND OF DATA
Sample survey data [ssd]

UNIT OF ANALYSIS
Individuals

Scope

NOTES
The survey collected information on:
- SUBJECTS: information on the participants such as age, sex and geographical location
- CONSUMPTION: information on all foods consumed by each participant in each survey day, including quantities and nutrient values

Coverage

GEOGRAPHIC COVERAGE
Sub-national coverage, only rural areas.

UNIVERSE
The population group covered in the survey was women of reproductive age and their children from 6 to 23 months of age.

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation

Bioversity International	CGIAR
International Center for Tropical Agriculture (CIAT)	CGIAR

Sampling

SAMPLING PROCEDURE

The sampling procedure involved a two-stage cluster sampling design. In the first stage, ten clusters were selected using mixed sampling approaches. Five of the clusters were purposely selected because they were used as control clusters in a previous project conducted by Bioversity International within the same study area. Five other clusters were randomly sampled from a sampling frame of 119 clusters. In the second stage, sampling frames comprising households with at least one child aged between 6 and 23 months and a woman of reproductive age (15 - 49 years) were prepared for each selected cluster through a household census exercise, conducted by community health volunteers. A representative sample was drawn using a stratified random sampling technique.

WEIGHTING

No survey weights were used in this survey.

Data collection

DATES OF DATA COLLECTION

Start	End
2015-03-31	2015-04-29

DATA COLLECTION MODE

Face-to-face [f2f]

DATA COLLECTION NOTES

The dietary assessment of the children and their caregivers was done using a repeated non-consecutive quantitative 24-hour food intake recall method. First, subjects were asked to mention all foods and beverages consumed in the preceding 24 hours. Then they were asked to describe the foods and beverages consumed including ingredients and cooking methods of mixed dishes. The amounts of all foods, beverages, and ingredients of mixed dishes consumed were estimated either in weight, household units (volume determined by water content), or in monetary value. The proportion of what was eaten by the subject was then determined based on the volume eaten and the total volume of the dish. This proportion was used to calculate the amount of ingredients consumed in their raw forms. For dishes consumed outside the home, standard recipes were used and the amount of ingredients consumed by the subject was determined. The Tanzanian Food Composition table (2018) was used to convert the food consumed to nutrients taken. Foods missing in the Tanzanian Food Composition were filled with composition data from the USDA Food Composition Database, the West African Food Composition data, and food composition data derived from various peer reviewed articles.

DATA COLLECTORS

Name	Affiliation
Bioversity International	CGIAR
International Center for Tropical Agriculture (CIAT)	CGIAR

Access policy

CONTACTS

Name	Affiliation	Email
Food and Nutrition Division	Food and Agriculture Organization of the United Nations	fao-who-gift@fao.org

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CITATION REQUIREMENTS

Humid Tropics Agrobiodiversity and Nutrition Project – Diagnostic survey Vihiga County: Kenya 2015, Bioversity International Kenya

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Metadata production

DDI DOCUMENT ID

DDI_KEN_2015_HTANP_LS_v01_M_v01_A_ESS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
Food and Nutrition Division	ESN	Food and Agriculture Organization of the United Nations	Metadata producer
Statistics Division	ESS	Food and Agriculture Organization of the United Nations	Metadata adapted for FAM

Data Dictionary

Data file	Cases	Variables