Feed the Future

Survey Implementation

Document

Core Codebook for the

Feed the Future  
Zone of Influence Survey

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# Abbreviations

CAPI computer-assisted personal interviewing

CBPP Contagious Bovine Pleuropneumonia

CMC century month code

FMD food and mouth disease

PAPI paper and pencil interviewing

PBS population-based survey

RVF Rift Valley Fever

USAID United States Agency for International Development

ZOI Zone of Influence

# Introduction

Feed the Future seeks to reduce poverty, hunger, and undernutrition among women and children, and to increase income, women’s empowerment, dietary diversity, and appropriate feeding practices. Program efforts are concentrated in zones of influence (ZOIs) in Feed the Future target countries. Progress in achieving Feed the Future’s objectives is tracked using population-based performance indicators. The purpose of the Feed the Future ZOI Survey (2018-2019) is to provide the U.S. Government interagency partners, United States Agency for International Development (USAID) Bureau for Food Security, USAID Missions, host country governments, and development partners with information on the current status of the Feed the Future ZOI-level indicators. The survey is designed to monitor progress and to see whether there has been statistically significant change over time at the population level in key outcome and impact indicators, with the expectation that the effects of a project should spread beyond beneficiaries to the general population in the Feed the Future ZOI over the life of the project.

## Purpose of the Codebook

This document provides a core Codebook for the ZOI Surveys in Feed the Future countries and guidance for using the datasets. It describes all survey variables that appear in final datasets and should be modified to accommodate any additional modules or questions included in a country’s survey. It provides an overview of basic dataset structure, coding, identification, and date handling (see the Feed the Future PBS data files structure section). This Codebook is a reference document for each variable, and it includes variable names, labels, descriptions, question text, question base, value sets, and value types. The guidance in this Codebook is intended for use in conjunction with the corresponding technical guidance documents, including the Guide to Feed the Future Statistics.

## Using the Codebook with the questionnaire

In addition to the final datasets for a ZOI Survey, the Codebook provides the variables names used in the data collection programs. To determine a particular variable name of a question, the user should first determine the module in which the question is located. Navigating to that section of the Codebook, the user will see all questions in the survey module, in sequential order, and all information regarding the variable can be found there. In addition, this Codebook can be searched for key terms, but those terms should always be verified using the module number section of this document. For example, a search for the term “date of birth” would result in several places in the Codebook where date of birth is part of a variable name or description, including the children’s nutrition module, the woman’s nutrition module, and both male and female WEAI modules. Therefore, users will need to verify to which module the variable in the Codebook belongs to ensure the key term search located the correct variable. Users should take note of the information provided when reviewing frequencies and performing analysis, such as what the question base is for a variable to confirm the frequencies and ensure the appropriate variables are used for analysis.



The core questionnaire should be used along with the country-specific questionnaire to determine how a survey has been modified for a specific country.



This Codebook contains all variables required for data collection in the CSPro core programs. Some variables presented in this Codebook are exclusive to the CSPro programs and do not appear in the questionnaire. For example, in Modules 4 and 5, nutrition and anthropometry data are collected for all eligible women and children. At the beginning of the nutrition and anthropometry modules, the first variable in the Codebook is an index variable in CSPro, representing the sequential order of women or children in their respective modules. Similarly, not every item in the questionnaire is represented in the Codebook; for example, introduction statements appear before many modules and have a question number. However, these statements are simply added to the beginning of the first question in the module and so do not appear in the Codebook.

Finally, this Codebook provides information reflecting the core ZOI Survey questionnaire. The codebook should be modified to align with the country-specific modifications made to the core survey, including additional modules that will be added to country-specific Codebooks to be provided along with final datasets.

# Feed the Future PBS data files structure

Feed the Future ZOI Surveys use a public domain software, Census and Survey Processing System, or CSPro, to enter, edit, and tabulate data during fieldwork. This software is developed and supported by the U.S. Census Bureau and ICF, and supports collection and data transfer on Android and Windows devices. In addition to its uses for collecting, editing, and analyzing data, CSPro also allows for exporting data in a variety of formats, including for use in statistical software SPSS, SAS, and Stata. For each of these formats, users receive the dataset, documentation for the survey, and syntax files that describe the data and allow users to easily import the data. Files are provided in three forms: hierarchical, rectangular, and flat. They are available for analysis in the following units: households, household members, primary adult male decisionmakers, primary adult female decisionmakers, all women, and children.

## Hierarchical files

Hierarchical datasets maintain the structure of data collection; in other words, each record contains a section of the questionnaire, with identifying variables at the beginning of each record. Records can be single, such as “household dwelling characteristics,” or multiple, such as household roster and anthropometry. All data are ordered in the dataset according to the order of the questionnaire. Records exist only if the data were collected. Because all the data are contained in one file, users have flexibility to analyze different units—households, all women, primary decisionmakers, and so on. This data structure, created during data collection, is designed for analysis in CSPro.

## Flat files

Flat data files contain one record for each household at the highest level; for Feed the Future ZOI Surveys, this is the household level. There is no structural relationship among the records or lines of data in the dataset, and each record must contain a separate variable for each piece of data collected in a household. Sections of the questionnaire that repeat, such as anthropometry and nutrition for each child, are placed sequentially in the household record, and variable names are indexed by occurrence. This creates a simple dataset with one household per record, and each record has a fixed length that contains the maximum number of cases possible for repeating sections of the questionnaire. Standard statistical software uses this data format for analysis.

## Rectangular files

Rectangular files are datasets with a structure similar to hierarchical files—each record corresponds to each section of the questionnaire. However, rectangular files contain the maximum number of occurrences for each repeating record. When cases do not exist, blank records are maintained. Therefore, each case—household—in the data file has the same number of records, regardless of composition. Every record in a hierarchical file exists in a rectangular file, but the rectangular file adds blank records to make all households have a consistent length.

## Standard coding

With the standard coding convention for missing data and other special codes, any variable in the dataset that varies from this convention is clearly noted in the Codebook and variable labels. These special codes should be excluded when means, medians, or other statistics are calculated.

In Feed the Future PBS data, any information that should have been collected in the field, but was not collected, either by interviewer error or during data editing and finalization, is considered missing. Although missing data are possible for most variables, some variables do not allow for missing data, such as cluster and household identifiers; geographical variables that can be obtained from the sample design, such as region, district, and urban/rural; and result codes.

All other special values are shown. Variables that do not apply to that household or respondent based on skip pattern and filters in the questionnaire are considered “not applicable,” and are not missing. Data for these not applicable variables appear as blank in the dataset; in other words, no special code is given to questions that are not applicable, based on the flow of the questionnaire.

Questions with “yes” or “no” answers or variables with multiple response options are coded “1” for “yes” and “2” for “no.” The following table shows the codes for special values.

|  |  |
| --- | --- |
| **Special Value** | **Code** |
| Missing values | 9, 99, 999, 9999, … |
| Don’t know, Unsure, Unknown | 8, 98, 998, 9998, … |
| Refusals | 7, 97, 997, 9997, … |
| Other (specify) | 6, 96, 996, 9996, … |
| Not applicable | BLANKS |

Questions where more than one response may be selected are indicated as such in the questionnaire with the instruction “SELECT ALL THAT APPLY” to the interviewer. In the Codebook, these questions are shown as variables with letter codes (A, B, C, …). There is no separate code to indicate that more than one response was selected. Rather, a string variable appears in the Codebook, where the answer is a string of selected response categories. In addition, these variables have also been coded into “yes”/“no” variables for each possible response category that immediately follow the original variable in the Codebook and in the dataset.

## Century month code

Dates in Feed the Future PBS data are transformed into a century month code (CMC) and added to the dataset after fieldwork; the CMC for a date is the number of months since the reference year 1900. The CMC date version is used to quickly check consistency of dates in questionnaires, order events chronologically, calculate the amount of time between two events, and as a base for imputation where applicable. The original year and month date is retained in the final datasets. Further information is available in the Guide to Feed the Future Statistics, along with example calculations.

To calculate the CMC for an event, or to translate a CMC back to a month/year format, use the following formulas:

CMC = 12 \* (YEAR – 1900) + MONTH

MONTH = CMC – 12 \* (YEAR – 1900)

YEAR = int((CMC – MONTH) / 12) + 1900

int( *number* ) refers to the integer portion of a *number*

Following are some of the more specific formulas using CMC calculations in the Feed the Future PBS surveys:

Date of interview CMC(DOI) = 12 \* (YEAR – 1900) + MONTH

Date of birth CMC(DOB) = 12 \* (YEAR – 1900) + MONTH

Age AGE = int( ( CMC(DOI) – CMC(DOB) )/12 )

## Household and record identification

Each record in the datasets begins with identification data, first for the household (cluster + household IDs), and then for the type of record. In most cases, the record identification names the module that the subsequent data represent.

## Modules and number of occurrences

The Feed the Future PBS questionnaire is divided into several sections of similar questions, referred to as modules in the questionnaire and represented as record types in the dataset. The sections of the questionnaire are mapped into the datasets. Some sections of the questionnaire appear as more than one record in the dataset, but designated with an “A” or “B” record name. Some modules have questions that only one respondent is asked only one time. These modules have single-occurrence records in the dataset. Some modules have questions where different numbers of respondents are asked the same question, or that ask respondents different questions depending on the household composition; therefore, these responses are represented as multiple records in the dataset. Some modules ask the same questions a set number of times, predetermined by the questionnaire. These questions can be represented in the dataset as a group within a record. An example of a single-occurrence record is Module 2, dwelling characteristics. An example of a multiple-occurrence record is Module 1, household roster, with a variable number of occurrences. An example of a set multiple-occurrence group is much of Module 6, Women’s Empowerment in Agriculture Index, where the same questions are asked about various items or activities.

The sections that follow in this Codebook, divided into modules, describe the variables that are included in the final datasets in the format that the data are collected. That is, the variables are described within their record or section of the questionnaire. Variable information follows this format:

**Variable label:** Short description of the variable

**Description:** Additional information about variable

**Question text:** Question text asked during the interview. If no information is shown, the variable is auto-filled, based on other questions, a sample file, or as entered by the interviewer and not asked of respondent. Note that question text in all capital letters indicated an instruction given to the interviewer and is not text that is read out loud to the respondent.

**Base:** Group to which the variable was asked or applies

**Value set:** Range of values and labels for each possible survey response

**Value type:** Whether the variable is a numeric field or a string field. Numeric fields allow for only one response option, while string fields allow for a respondent to give more than one response.

# 

# Module 0 (HH\_ID): Identification and Information Consent

**HHEA** Cluster number

**Description:** The cluster number identifies the sample point used during fieldwork. It is the geographical area or enumeration area used to draw a sample of households and is the first part of the household identification.

**Base:** All selected households

**Value set:** 1:900

**Value type:** numeric

**HHNUM** Household number

**Description:** The household number identifies a specific household within a cluster, either for listing or for interview if selected. Household numbers are not unique in themselves in the full survey, but they must be used with the cluster number to create a complete unique identifier. A household number differs from a structure numbering that may exist, and some dwellings may contain more than one household, defined during listing.

**Base:** All selected households

**Value set:** 1:900

**Value type:** numeric

**A03B** County

**Description:** County where the household resides in the survey area; coding is survey-‑specific and may be removed to anonymize the dataset.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**A03C** District

**Description:** District where the household resides in the survey area; coding is survey-‑specific and may be removed to anonymize the dataset.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**A03D** Region

**Description:** Region where the household resides in the survey; coding is survey-‑specific.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**AHINTD** Day of final interview

**Description:** Day that the interview was completed, or day that an incomplete result code was assigned to the household.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**AHINTM** Month of final interview

**Description:** Month that the interview was completed, or that an incomplete result code was assigned to the household. The value set will be restricted to the months during which fieldwork took place.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**AHINTY** Year of final interview

**Description:** Year that the interview was completed, or that an incomplete result code was assigned to the household. The value set will include only the years that fieldwork took place.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**AHINTNUM** Interviewer number

**Description:** Identification code for the main interviewer for the household, unique for each interviewer participating in fieldwork. The identification code is three digits long. The first two digits of the interviewer number correspond to the team number, and all team members share the same first two digits. The last digit is assigned in each team, and code 0 is reserved for the team supervisor

**Base:** All selected households

**Value set:** 11:909

**Value type:** numeric

**AHTOTVISITS** Total number of household visits

**Description:** If households are not immediately available for interview, interviewers must return to the households at least three times to attempt to complete the interview. This variable holds the total number of visits the interviewer made, including a successful interview or a visit to assign a final incomplete result code.

**Base:** All selected households

**Value set:** 1:5

**Value type:** numeric

**AHRESULT** Result of interview

**Description:** Final result code for the overall questionnaire. A result code of 1 indicates all applicable modules were completed. Codes 2 and 4 below are used before finalizing the questionnaire result code and do not appear as a final result code.

**Base:** All selected households

**Value set:**

1 COMPLETED

2 NO HOUSEHOLD MEMBER AT HOME

3 ENTIRE HOUSEHOLD ABSENT FOR EXTENDED PERIOD OF TIME

4 POSTPONED/UNAVAILABLE

5 REFUSED

6 DWELLING VACANT

7 ADDRESS NOT A DWELLING

8 DWELLING DESTROYED

9 DWELLING NOT FOUND

10 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

**AHMEMBER** Total number of people in the household

**Description:** Total number of household members, indicating the number of records in Module 1, household roster.

**Base:** All completed households

**Value set:** 1:50

**Value type:** numeric

**AHRESP** Line number of household respondent

**Description:** Line number in the household roster of the member of the household who was interviewed for Modules 1 and 2.

**Base:** All completed households

**Value set:** 1:50

**Value type:** numeric

**AHKIDS** Total eligible children 0-5 years

**Description:** Number of children included in Module 5, including measurement for anthropometry and nutrition information. Eligibility for the module is based on the age in years given by the household respondent, and children ages 0 to 5 are eligible. The number of children included in the analysis is based on more specific age information collected in Module 5.

**Base:** All completed households

**Value set:** 0:15

**Value type:** numeric

**AHWOMEN** Total eligible women 15-49 years

**Description:** Number of women included in Module 4 for anthropometry measurement and data collection about their nutrition. Eligible women usually are ages 15 to 49.

**Base:** All completed households

**Value set:** 0:15

**Value type:** numeric

**AHSUPERV** Supervisor number

**Description:** Identification code for the field supervisor. The identification code is three digits long. The first two digits indicate the supervisor’s team number, and the third digit is typically 0 for supervisors, although this may vary if the team supervisor has changed during fieldwork.

**Base:** All selected households

**Value set:** 10:900

**Value type:** numeric

**AHFEDIT** Field editor number

**Description:** Identification code for the field editor in paper-based surveys. The identification code is three digits long. The first two digits indicate the editor’s team number, and the third digit is typically 1, although it may vary if the team editor has changed during fieldwork. This position is unnecessary in a CAPI survey, and therefore it is not applicable.

**Base:** All selected households (PAPI only)

**Value set:** 11:909

**Value type:** numeric

**AHOEDIT** Office editor number

**Description:** Identification code for the office editor in paper-based surveys. The identification code is three digits long. The code is assigned based on available survey identification codes not used by field teams. This position is unnecessary in a CAPI survey, and therefore it is not applicable.

**Base:** All selected households (PAPI only)

**Value set:** 11:909

**Value type:** numeric

**AHCONSENT** Consent for household interview

**Description:** Response to consent for interview statement. This must be coded “1 YES” for a completed household.

**Base:** All selected households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**WGT\_HH** Weight, Household

**Description:** Sample weight is used to weight all tabulations performed on the data file for households. It is 8 digits long, including 6 decimal places

**Base:** All completed households

**Value type:** numeric

**WGT\_W** Weight, Women 15-49

**Description:** Sample weight is used to weight all tabulations performed on the data file for women 15-49. It is 8 digits long, including 6 decimal places

**Base:** All completed households

**Value type:** numeric

**WGT\_MPDM** Weight, Male PDM

**Description:** Sample weight is used to weight all tabulations performed on the data file for male primary decisionmakers. It is 8 digits long, including 6 decimal places

**Base:** All completed households

**Value type:** numeric

**WGT\_FPDM** Weight, Female PDM

**Description:** Sample weight is used to weight all tabulations performed on the data file for female primary decisionmakers. It is 8 digits long, including 6 decimal places

**Base:** All completed households

**Value type:** numeric

**WGT\_C5** Weight, Children under 5

**Description:** Sample weight is used to weight all tabulations performed on the data file for children under age 5. It is 8 digits long, including 6 decimal places

**Base:** All completed households

**Value type:** numeric

**WGT\_C2** Weight, Children under 2

**Description:** Sample weight is used to weight all tabulations performed on the data file for children under age 2. It is 8 digits long, including 6 decimal places

**Base:** All completed households

**Value type:** numeric

**WGT\_F** Weight, All VCC farmers

**Description:** Sample weight is used to weight all tabulations performed on the data file for all VCC farmers – that is, farmers that have participated in any of the VCCs (crops or livestock). It is 8 digits long, including 6 decimal places.

**Base:** All completed households

**Value type:** numeric

**WGT\_V1** Weight, VCC1 farmers

**Description:** Sample weight is used to weight all tabulations performed on the data file for the first VCC farmers – that is, farmers that have participated in raising the first VCC. It is 8 digits long, including 6 decimal places.

**Base:** All completed households

**Value type:** numeric

**WGT\_V2** Weight, VCC2 farmers

**Description:** Sample weight is used to weight all tabulations performed on the data file for the second VCC farmers – that is, farmers that have participated in raising the second VCC. It is 8 digits long, including 6 decimal places.

**Base:** All completed households

**Value type:** numeric

**WGT\_V3** Weight, VCC3 farmers

**Description:** Sample weight is used to weight all tabulations performed on the data file for the third VCC farmers – that is, farmers that have participated in raising the third VCC. It is 8 digits long, including 6 decimal places.

**Base:** All completed households

**Value type:** numeric

**WGT\_LV** Weight, L-VCC farmers

**Description:** Sample weight is used to weight all tabulations performed on the data file for livestock (L-VCC) farmers – that is, farmers that have participated in any raising livestock for the selected L-VCC. It is 8 digits long, including 6 decimal places.

**Base:** All completed households

**Value type:** numeric

# Module 1 (MOD\_1): Household Roster

**V100B** Module 1: Line number of respondent

**Description:** Line number in the household roster of the respondent to Module 1. For this module, the respondent is the same as AHRESP, but each module has a respondent and may differ.

**Base:** All completed households

**Value set:** 1:50

**Value type:** numeric

**V101A** Primary adult male decisionmaker

**Description:** Indicates whether there is a primary adult male decisionmaker in the household. That is, the male age 18 or older in the household who makes more social and economic decisions than other men in the household. If there is a primary adult male decisionmaker, he is listed on line 01 of the roster.

**Question text:** Out of all of the men age 18 or older in the household, which man makes the more important decisions?

**Base:** All completed households

**Value set:**

1 YES, THERE IS A PRIMARY MALE DECISIONMAKER IN HOUSEHOLD

2 NO PRIMARY MALE DECISIONMAKER IN HOUSEHOLD

**Value type:** numeric

**V101B** Primary adult female decisionmaker

**Description:** Indicates whether there is a primary adult female decisionmaker in the household. That is, the female age 18 or older in the household who makes more social and economic decisions than other women in the household. If there is a primary adult female decisionmaker, she is listed on line 02 of the roster.

**Question text:** Out of all of the women age 18 or older in the household, which woman makes the more important decisions?

**Base:** All completed households

**Value set:**

1 YES, THERE IS A PRIMARY FEMALE DECISIONMAKER IN HOUSEHOLD

2 NO PRIMARY FEMALE DECISIONMAKER IN HOUSEHOLD

**Value type:** numeric

**VTYPE** Type of household

**Description:** Indicates whether the household contains both a female and male primary decisionmaker, a male primary decisionmaker only, a female primary decisionmaker only, or whether the household has neither a male nor a female primary decisionmaker. Automatic calculation in CAPI data collection.

**Base:** All completed households

**Value set:**

1 BOTH MALE AND FEMALE PDM

2 MALE PDM ONLY

3 FEMALE PDM ONLY

4 NEITHER MALE NOR FEMALE PDM

**Value type:** numeric

**V100AH** Module 1: start hour

**Description:** Time of the start of the data collection for Module 1, collected in a 24‑hour format.

**Base:** All selected households

**Value set:** 0:23

**Value type:** numeric

**V100AM** Module 1: start minute

**Description:** Time of the start of the data collection for Module 1, collected in a 24‑hour format.

**Base:** All selected households

**Value set:** 0:59

**Value type:** numeric

**D100** Module 1: start day

**Description:** Day of the start date for data collection for Module 1.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M100**  Module 1: start month

**Description:** Month of the start date for data collection for Module 1.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y100**  Module 1: start year

**Description:** Year of the start date for data collection for Module 1.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**M1\_LINE** Line number of household member

**Description:** Indexing number for each member of the household. In most cases, a primary adult male decisionmaker is listed on line 01 and a primary adult female decisionmaker is listed on line 02. If there is no primary adult male decisionmaker, the primary adult female decisionmaker is still listed on line 02. If both do not exist, other household members are listed beginning on line 03. This is a multiple-occurrence variable, depending on the number of household members.

**Base:** All members of the household

**Value set:** 1:50

**Value type:** numeric

**V102** Sex

**Description:** Sex of each household member. This is a multiple-occurrence variable, depending on the number of household members.

**Question text:** What is [NAME’s] sex?

**Base:** All members of the household

**Value set:**

1 MALE

2 FEMALE

**Value type:** numeric

**V103** Relationship

**Description:** Relationship of each household member to the primary adult male decisionmaker, if one exists, on line 01. If there is no primary adult male decisionmaker, then the relationship to the primary adult female decisionmaker is defined for each member. If neither a male nor primary adult female decisionmaker exists, but if the respondent is age 15, then record the name on line 03 and record code 16 for the relationship code. Record the relationship of each household member to the respondent recorded on line 03. This is a multiple-occurrence variable, depending on the number of household members.

**Question text:** What is [NAME’s] relationship to the primary male [female] decisionmaker?

**Base:** All members of the household

**Value set:**

1 SELF

2 SPOUSE/PARTNER

3 SON/DAUGHTER

4 SON/DAUGHTER-IN-LAW

5 GRANDSON/GRANDAUGHTER

6 MOTHER/FATHER

7 BROTHER/SISTER

8 NEPHEW/NIECE

9 NEPHEW/NIECE OF SPOUSE

10 COUSIN

11 BROTHER/SISTER-IN-LAW

12 MOTHER/FATHER-IN-LAW

13 OTHER RELATIVE

14 SERVANT/MAID

15 LABORER

16 NO DECISIONMAKER AGE 18 OR OLDER IN HOUSEHOLD

96 OTHER RELATIONSHIP

**Value type:** numeric

**V104** Age

**Description:** Age of the household member in years. This is a multiple-occurrence variable, depending on the number of household members.

**Question text:** What is [NAME’s] age?

**Base:** All members of the household

**Value set:**

0 LESS THAN 1 YEAR OLD

1:94

95 AGE 95 OR OLDER

**Value type:** numeric

**V105A** Usual member of household

**Description:** Used to identify usual household members of the residence. This is a multiple-occurrence variable, depending on the number of household members.

**Question text:** Is [NAME] a usual member household member?

**Base:** All members of the household

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V105B** Stayed here last night

**Description:** Used to define which members of the household are de facto (slept in the household the previous night). This is a multiple-occurrence variable, depending on the number of household members.

**Question text:** Did [NAME] stay here last night?

**Base:** All members of the household

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V106A** Time since slept in house (unit)

**Description:** For members who did not sleep in the household the previous night, this variable, in combination with V106B, defines how long it has been since that member last slept in the household. This variable identifies the unit of measurement for V106B. This is a multiple-occurrence variable, depending on the number of household members.

**Question text:** How long has it been since [NAME] has spent the night in this household?

**Base:** members of the household who did not stay in house last night (V105 = 2)

**Value set:**

1 DAYS

2 WEEKS

3 MONTHS

**Value type:** numeric

**V106B** Time since slept in house (number)

**Description:** For members who did not sleep in the household the previous night, this variable, in combination with V106A, defines how long it has been since that member last slept in the household. This variable identifies the number of units for V106A. This is a multiple-occurrence variable, depending on the number of household members.

**Base:** members of the household who did not stay in house last night (V105 = 2)

**Value set:** 1:15

**Value type:** numeric

**V107** Woman eligibility

**Description:** Eligibility of the household member for Module 4, anthropometry and nutrition of women. Members must be female and ages 15 to 49 to be eligible. If eligible, this variable holds their line number. For example, if an eligible woman is listed on line 03, then this variable is also 03. If the household member is not eligible, this variable is coded 00. This is a multiple-occurrence variable, depending on the number of household members.

**Base:** All members of the household

**Value set:**

1:50 ELIGIBLE

00 NOT ELIGIBLE

**Value type:** numeric

**V108** Child eligibility

**Description:** Eligibility of the household member for Module 5, anthropometry and nutrition of children. Members must be ages 0 to 5 to be eligible. If they are eligible, this variable holds their line numbers. For example, if a child is listed on line 06, then this variable is also 06. If the household member is not eligible, this variable is coded 00. This is a multiple-occurrence variable, depending on the number of household members.

**Base:** All members of the household

**Value set:**

1:50 ELIGIBLE

00 NOT ELIGIBLE

**Value type:** numeric

**V109** Ever attended school

**Description:** Household member has ever attended school at any time. This is a multiple-occurrence variable, depending on the number of household members.

**Question text:** Has [NAME] ever attended school?

**Base:** members of the household ages 3 or older (V104 > 2)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V110** Attending school

**Description:** Household member is currently enrolled in school. This is a multiple-occurrence variable, depending on the number of household members.

**Question text:** Is [NAME] currently attending school?

**Base:** members of the household ages 3 or older who have ever attended school (V104 > 2 & V109 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V111A** Highest level of school attended

**Description:** Highest level of education household member has attended. This variable is survey-specific, depending on the education system of the country. This is a multiple-occurrence variable, depending on the number of household members.

**Question text:** What is the highest level of school [NAME] has attended?

**Base:** members of the household ages 3 or older who have ever attended school (V104 > 2 & V110 = 1)

**Value set:**

0 PRESCHOOL

1 PRIMARY

2 SECONDARY

3 HIGHER

8 DON’T KNOW

**Value type:** numeric

**V111B** Highest grade of education completed at level

**Description:** Highest grade of education household member has completed at level in V111A. This variable is survey-specific, depending on the education system of the country. This is a multiple-occurrence variable, depending on the number of household members.

**Question text:** What is the highest grade [NAME] completed at that level?

**Base:** members of the household ages 3 or older who have ever attended school (V104 > 2 & V110 = 1)

**Value set:**

00 LESS THAN 1 YEAR COMPLETED

1:8

98 DON’T KNOW

**Value type:** numeric

**V112H** Module 1: stop hour

**Description:** Time of the stop of the data collection for Module 1, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V112M** Module 1: stop minute

**Description:** Time of the stop of the data collection for Module 1, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D112** Module 1: stop day

**Description:** Day of the start date for data collection for Module 1.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M112**  Module 1: stop month

**Description:** Month of the start date for data collection for Module 1.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y112**  Module 1: stop year

**Description:** Year of the start date for data collection for Module 1.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

# Module 2 (MOD\_2): Dwelling Characteristics

**V200AH** Module 2: start hour

**Description:** Time of the start of the data collection for Module 2, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V200AM** Module 2: start minute

**Description:** Time of the start of the data collection for Module 2, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D200** Module 2: start day

**Description:** Day of the start date for data collection for Module 2.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M200**  Module 2: start month

**Description:** Month of the start date for data collection for Module 2.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y200**  Module 2: start year

**Description:** Year of the start date for the data collection for Module 2.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V201** Main material of roof

**Description:** Main material of the roof of the dwelling, recorded by interviewer observation.

**Base:** All completed households

**Value set:**

**10 NATURAL**

11 NO ROOF

12 THATCH (PALM LEAF, STRAW, REED)

13 SOD

14 BAMBOO

**20 RUDIMENTARY**

21 WOOD PLANKS

22 CARDBOARD

**30 FINISHED**

31 METAL

32 WOOD

33 CALAMINE/CEMENT FIBER

34 CERAMIC TILES

35 CEMENT

36 ROOFING SHINGLES

96 OTHER

**Value type:** numeric

**V202** Main material of floor

**Description:** Main material of the floor of the dwelling, recorded by interviewer observation.

**Base:** All completed households

**Value set:**

**10 NATURAL**

11 EARTH/SAND

12 DUNG

13 PALM LEAVES

**20 RUDIMENTARY**

21 WOOD PLANKS

22 BAMBOO SLATS

**30 FINISHED**

31 VINYL OR ASPHALT STRIPS

32 WALL-TO-WALL CARPET

33 CEMENT

34 PARQUET OR POLISHED WOOD

35 CERAMIC TILES

96 OTHER

**Value type:** numeric

**V203** Main material of walls

**Description:** Main material of the walls of the dwelling, recorded by interviewer observation.

**Base:** All completed households

**Value set:**

**10 NATURAL**

11 NO WALLS

12 DIRT

13 CANE/PALM/TREE TRUNKS

14 BAMBOO WITH MUD

15 STONE WITH MUD

**20 RUDIMENTARY**

21 CARDBOARD

22 REUSED WOOD

23 PLYWOOD

24 UNBAKED BRICKS

**30 FINISHED**

31 WOOD PLANKS/SHINGLES

32 WITH PLASTER

33 BRICKS

34 CEMENT BLOCKS

35 CEMENT

36 STONE WITH LIME/CEMENT

96 OTHER

**Value type:** numeric

**V204** Number of rooms for sleeping

**Description:** Number of rooms in the household that are used primarily for sleeping.

**Question text:** Now I would like to ask you a few questions about your home. How many rooms in this household are used for sleeping?

**Base:** All completed households

**Value set:** 1:20

**Value type:** numeric

**V205** Observation of handwashing location

**Description:** Interviewer observation of the location where members of the household wash their hands. There are three options, shown below, for reasons the interviewer may not have been able to observe the place for handwashing.

**Question text:** Please show me where members of your household most often wash their hands.

**Base:** All completed households

**Value set:**

1 OBSERVED

2 NOT OBSERVED, NOT IN DWELLING/YARD/PLOT

3 NOT OBSERVED, NO PERMISSION TO SEE

4 NOT OBSERVED, OTHER REASON

**Value type:** numeric

**V206** Water present at handwashing location

**Description:** Whether water is available at the handwashing location at the time of observation.

**Base:** All completed households with an observed place for handwashing (V205 = 1)

**Value set:**

1 WATER IS AVAILABLE

2 WATER IS NOT AVAILABLE

**Value type:** numeric

**V207** Cleansing agent present at handwashing location

**Description:** Whether soap or other cleansing agent is available at the handwashing location at the time of observation.

**Base:** All completed households with an observed place for handwashing (V205 = 1)

**Value set:**

1 SOAP OR DETERGENT (BAR, LIQUID, POWDER, PASTE)

2 ASH, MUD, SAND

3 NONE

**Value type:** numeric

**V208** Main type of toilet

**Description:** Main type of toilet used most often by the household. If the interviewer cannot determine the type by asking the respondent, the interviewer requests permission to observe the toilet and record the type.

**Question text:** What is the main type of toilet your household uses?

**Base:** All completed households

**Value set:**

11 FLUSH TO PIPED SEWER SYSTEM

12 FLUSH TO SEPTIC TANK

13 FLUSH TO PIT LATRINE

14 FLUSH TO SOMEWHERE ELSE

15 FLUSH, DON’T KNOW WHERE

21 VENTILATED IMPROVED PIT LATRINE

22 PIT LATRINE WITH SLAB

23 PIT LATRINE WITHOUT SLAB/OPEN PIT

31 COMPOSTING TOILET

41 BUCKET TOILET

51 HANGING TOILET/HANGING LATRINE

61 NO FACILITY/BUSH/FIELD

96 OTHER

**Value type:** numeric

**V209** Share toilet

**Description:** Whether the toilet facility is shared with other households. Asked for all households except those that do not have a facility or use the bush or field for their toilet.

**Question text:** Do you share this toilet with other households?

**Base:** All completed households with use of a toilet (V208 <> 61)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V210** Number of households using toilet

**Description:** Number of households that use the toilet facility, including the household of the respondent.

**Question text:** Including your own household, how many households use this toilet facility?

**Base:** All completed households that share a toilet with other households (V209 = 1)

**Value set:**

1:9

95 10 OR MORE HOUSEHOLDS

98 DON’T KNOW

**Value type:** numeric

**V211** Main source of drinking water

**Description:** Main source of drinking water for the household.

**Question text:** What is the main source of drinking water for your household?

**Base:** All completed households

**Value set:**

11 PIPED INTO DWELLING

12 PIPED TO YARD/PLOT

13 PIPED TO NEIGHBOR

14 PUBLIC TAP/STANDPIPE

21 TUBE WELL OR BOREHOLE

31 PROTECTED WELL

32 UNPROTECTED WELL

41 PROTECTED SPRING

42 UNPROTECTED SPRING

51 RAINWATER

61 TANKER TRUCK

71 CART WITH SMALL TANK

81 SURFACE WATER (RIVER/DAM/LAKE/PONDS/STREAM/CANAL/IRRIGATION CHANNEL)

91 BOTTLED WATER

96 OTHER

**Value type:** numeric

**V212** Location of water source

**Description:** Whether the source for drinking water is located in the dwelling or yard or plot, or elsewhere apart from the household.

**Question text:** Where is that water source located?

**Base:** All completed households

**Value set:**

1 IN OWN DWELLING

2 IN OWN YARD/PLOT

3 ELSEWHERE

**Value type:** numeric

**V213** Time to get water

**Description:** Amount of time in minutes to collect water, round trip, for households with a water source that is not in their dwelling, yard, or plot.

**Question text:** How long does it take to go there, get water, and come back?

**Base:** All completed households with a water source that is not in the dwelling, yard, or plot (V212 = 3)

**Value set:**

0:900 MINUTES

998 DON’T KNOW

**Value type:** numeric

**V214** Water available year round

**Description:** Whether water is available from main drinking water source all year.

**Question text:** Is water available from this source all year round?

**Base:** All completed households

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V215** Water available every day

**Description:** Whether water has been available from the main source for drinking water in the past two weeks.

**Question text:** In the past two weeks, was water available every day from this source?

**Base:** All completed households

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V216** Make water safe to drink

**Description:** Whether the household does anything to its drinking water to improve its safety for drinking.

**Question text:** Do you do anything to the water to make it safer to drink?

**Base:** All completed households

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V217** Ways to make water safe to drink

**Description:** Methods used to make drinking water safer to drink; respondents may use more than one method.

**Question text:** What do you usually do to make the water safer to drink? Anything else?

**Base:** All completed households that do something to make water safer to drink (V216 = 1)

**Value set:**

A BOIL

B ADD BLEACH/CHLORINE

C STRAIN THROUGH A CLOTH

D USE WATER FILTER (CERAMIC/SAND/COMPOSITE/ETC)

E SOLAR DISINFECTION

F LET IT STAND AND SETTLE

X OTHER

Z DON’T KNOW

**Value type:** string

**V217A** Make water safe to drink - boils

**Description:** Whether the household boils its drinking water to improve its safety for drinking.

**Base:** All completed households that do something to make water safer to drink (V216 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V217B** Make water safe to drink – bleach/chlorine

**Description:** Whether the household adds bleach or chlorine to its drinking water to improve its safety for drinking.

**Base:** All completed households that do something to make water safer to drink (V216 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V217C** Make water safe to drink - strain

**Description:** Whether the household strains its drinking water through a cloth to improve its safety for drinking.

**Base:** All completed households that do something to make water safer to drink (V216 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V217D** Make water safe to drink – filter

**Description:** Whether the household filters its drinking water to improve its safety for drinking, using ceramic, sand, composite or other water filters.

**Base:** All completed households that do something to make water safer to drink (V216 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V217E** Make water safe to drink – solar disinfection

**Description:** Whether the household uses solar disinfection on its drinking water to improve its safety for drinking.

**Base:** All completed households that do something to make water safer to drink (V216 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V217F** Make water safe to drink – stand and settle

**Description:** Whether the household lets its drinking water stand and settle to improve its safety for drinking.

**Base:** All completed households that do something to make water safer to drink (V216 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V217X** Make water safe to drink - other

**Description:** Whether the household does something else to its drinking water to improve its safety for drinking.

**Base:** All completed households that do something to make water safer to drink (V216 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V217Z** Make water safe to drink – don’t know

**Description:** The household does something to its drinking water to improve its safety for drinking, but the respondent does not know what.

**Base:** All completed households that do something to make water safer to drink (V216 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V219** Main source of cooking fuel

**Description:** Main source of cooking fuel for the household.

**Question text:** What is the main source of cooking fuel for your household?

**Base:** All completed households

**Value set:**

1 ELECTRICITY

2 LIQUID PROPANE GAS

3 NATURAL GAS

4 BIOGAS

5 KEROSENE

6 COAL, LIGNITE

7 CHARCOAL

8 WOOD

9 STRAW/SHRUBS/GRASS

10 AGRICULTURAL CROP RESIDUE

11 ANIMAL DUNG

95 NO FOOD COOKED IN THE HOUSEHOLD

96 OTHER

**Value type:** numeric

**V220** Location of cooking

**Description:** Location where the household usually cooks.

**Question text:** Is the cooking usually done in the house, in a separate building, or outdoors?

**Base:** All completed households that cook food in the household (V219 <> 95)

**Value set:**

1 IN THE HOUSE

2 IN A SEPARATE BUILDING

3 OUTDOORS

6 OTHER

**Value type:** numeric

**V221** Separate kitchen

**Description:** If cooking is usually done in the house, whether there is a separate room used as a kitchen.

**Question text:** Do you have a separate room which is used as a kitchen?

**Base:** All completed households in which cooking is usually done in the house (V220 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V222A** Have electricity

**Description:** Whether the household has electricity.

**Question text:** Does your household have: Electricity?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V222B** Own radio

**Description:** Whether the household has a radio.

**Question text:** A radio?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V222C** Own television

**Description:** Whether the household has a television.

**Question text:** A television?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V222D** Own non-mobile telephone

**Description:** Whether the household has a non-mobile telephone.

**Question text:** A non-mobile telephone?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V222E** Own computer

**Description:** Whether the household has a computer.

**Question text:** A computer?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V222F** Own refrigerator

**Description:** Whether the household has a refrigerator.

**Question text:** A refrigerator?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V223A** Own watch

**Description:** Whether the household has a watch.

**Question text:** Does any member of this household own a watch?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V223B** Own mobile phone

**Description:** Whether the household has a mobile phone.

**Question text:** A mobile phone?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V223C** Own bicycle

**Description:** Whether the household has a bicycle.

**Question text:** A bicycle?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V223D** Own motorcycle/motor scooter

**Description:** Whether the household has a motorcycle/motor scooter.

**Question text:** A motorcycle or motor scooter?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V223E** Own animal-drawn cart

**Description:** Whether the household has an animal-drawn cart.

**Question text:** An animal-drawn cart?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V223F** Own car/truck

**Description:** Whether the household has a car/truck.

**Question text:** A car or truck?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V223G** Own boat with motor

**Description:** Whether the household has a boat with motor.

**Question text:** A boat with a motor?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V224** Have bank account

**Description:** Whether the household has a bank account.

**Question text:** Does any member of this household have a bank account?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V225** Own any livestock

**Description:** Whether the household owns any livestock or animals. Used as a filter before asking the number of each type of animal. Automatic check in CAPI data collection.

**Question text:** Does this household own any livestock, such as cattle, swine, poultry, fish, or other farm animals?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V226A** Milk cows or bulls

**Description:** Number of milk cows or bulls that the household owns.

**Question text:** How many of the following animals does this household own? Milk cows or bulls?

**Base:** All completed households that own any livestock (V225 = 1)

**Value set:**

0 NONE

1:94

95 95 OR MORE

98 UNKNOWN

**Value type:** numeric

**V226B** Other cattle

**Description:** Number of other cattle, other than milk cows or bulls, that the household owns.

**Question text:** Other cattle?

**Base:** All completed households that own any livestock (V225 = 1)

**Value set:**

0 NONE

1:94

95 95 OR MORE

98 UNKNOWN

**Value type:** numeric

**V226C** Horses, donkeys, or mules

**Description:** Number of horses, donkeys, or mules that the household owns.

**Question text:** Horses, donkeys, or mules?

**Base:** All completed households that own any livestock (V225 = 1)

**Value set:**

0 NONE

1:94

95 95 OR MORE

98 UNKNOWN

**Value type:** numeric

**V226D** Goats

**Description:** Number of goats that the household owns.

**Question text:** Goats?

**Base:** All completed households that own any livestock (V225 = 1)

**Value set:**

0 NONE

1:94

95 95 OR MORE

98 UNKNOWN

**Value type:** numeric

**V226E** Sheep

**Description:** Number of sheep that the household owns.

**Question text:** Sheep?

**Base:** All completed households that own any livestock (V225 = 1)

**Value set:**

0 NONE

1:94

95 95 OR MORE

98 UNKNOWN

**Value type:** numeric

**V226F** Chickens or other poultry

**Description:** Number of chickens or other poultry that the household owns.

**Question text:** Chickens or other poultry?

**Base:** All completed households that own any livestock (V225 = 1)

**Value set:**

0 NONE

1:94

95 95 OR MORE

98 UNKNOWN

**Value type:** numeric

**V226G** Fish

**Description:** Number of fish that the household owns.

**Question text:** Fish?

**Base:** All completed households that own any livestock (V225 = 1)

**Value set:**

0 NONE

1:94

95 95 OR MORE

98 UNKNOWN

**Value type:** numeric

**V226H** Other animals

**Description:** Number of animals not already specified previously that the household owns.

**Question text:** Other? (Specify)

**Base:** All completed households that own any livestock (V225 = 1)

**Value set:**

0 NONE

1:94

95 95 OR MORE

98 UNKNOWN

**Value type:** numeric

**V226I** Household owns milk cows, bulls, other cattle, goats, or sheep filter

**Description:** Filter to determine if the household owns any milk cows, bulls, other cattle, goats, or sheep. If not, the interviewer skips over the question relating to whether the herd has spent a night away from home for grazing in the past year. Automatic check in CAPI data collection.

**Question text:** CHECK ITEM 226A, 226B, 226D, 226E: DOES THIS HOUSEHOLD HAVE ANY MILK COWS OR BULLS, OTHER CATTLE, GOATS, OR SHEEP?

**Base:** All completed households that own any livestock (V225 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V226J** Herd has spent at least one night away from home in past year

**Description:** Whether the household’s herd has spent a night away from home for purposes of grazing in the past one year.

**Question text:** In the past year, has your herd spent at least one night away from home for the purposes of grazing?

**Base:** All completed households that own herd animals (V226I = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V227** Owned any [L-VCC1] past year

**Description:** Whether the household owns any [L-VCC1].

**Base:** All completed households that own any livestock (V225 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V228A** Line number of first person who raised [L-VCC1]

**Description:** Line number in the household roster of the first person responsible for raising [L-VCC1].

**Question text:** Who in your household was responsible for raising [L-VCC1]?

**Base:** All completed households that raised [L-VCC1] (V227 = 1)

**Value set:** 1:50

**Value type:** numeric

**V228B** Line number of second person who raised [L-VCC1]

**Description:** Line number in the household roster of the second person responsible for raising [L-VCC1]. If only one person in the household was responsible for raising this animal, this variable will be coded as 00 to indicate that no more than the previous listed member is responsible for the animals.

**Question text:** Who else in your household was responsible for raising [L-VCC1] in the past one year?

**Base:** All completed households that raised [L-VCC1] (V227 = 1)

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V228C** Line number of third person who raised [L-VCC1]

**Description:** Line number in the household roster of the third person responsible for raising [L-VCC1]. If only two people in the household were responsible for raising this animal, this variable will be coded as 00 to indicate that no more than the previous two listed members are responsible for the animals.

**Question text:** Who else in your household was responsible for raising [L-VCC1] in the past one year?

**Base:** All completed households that raised [L-VCC1] (V227 = 1) and at least two people were responsible for raising [L-VCC1]

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V228D** Line number of fourth person who raised [L-VCC1]

**Description:** Line number in the household roster of the fourth person responsible for raising [L-VCC1]. If only three people in the household were responsible for raising this animal, this variable will be coded as 00 to indicate that no more than the previous three listed members are responsible for the animals.

**Question text:** Who else in your household was responsible for raising [L-VCC1]?

**Base:** All completed households that raised [L-VCC1] (V227 = 1) and at least three people were responsible for raising [L-VCC1]

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V229** Owned any [L-VCC2] past year

**Description:** Whether the household owns any [L-VCC2].

**Base:** All completed households that own any livestock (V225 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V230A** Line number of first person who raised [L-VCC2]

**Description:** Line number in the household roster of the first person responsible for raising [L-VCC2].

**Question text:** Who in your household was responsible for raising [L-VCC2]?

**Base:** All completed households that raised [L-VCC2] (V229 = 1)

**Value set:** 1:50

**Value type:** numeric

**V230B** Line number of second person who raised [L-VCC2]

**Description:** Line number in the household roster of the second person responsible for raising [L-VCC2]. If only one person in the household was responsible for raising this animal, this variable will be coded as 00 to indicate that no more than the previous listed member is responsible for the animals.

**Question text:** Who else in your household was responsible for raising [L-VCC2] in the past one year?

**Base:** All completed households that raised [L-VCC2] (V229 = 1)

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V230C** Line number of third person who raised [L-VCC2]

**Description:** Line number in the household roster of the third person responsible for raising [L-VCC2]. If only two people in the household were responsible for raising this animal, this variable will be coded as 00 to indicate that no more than the previous two listed members are responsible for the animals.

**Question text:** Who else in your household was responsible for raising [L-VCC2] in the past one year?

**Base:** All completed households that raised [L-VCC2] (V229 = 1) and at least two people were responsible for raising [L-VCC2]

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V230D** Line number of fourth person who raised [L-VCC2]

**Description:** Line number in the household roster of the fourth person responsible for raising [L-VCC2]. If only three people in the household were responsible for raising this animal, this variable will be coded as 00 to indicate that no more than the previous three listed members are responsible for the animals.

**Question text:** Who else in your household was responsible for raising [L-VCC2]?

**Base:** All completed households that raised [L-VCC2] (V229 = 1) and at least three people were responsible for raising [L-VCC2]

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V231** Owned any [L-VCC3] past year

**Description:** Whether the household owns any [L-VCC3].

**Base:** All completed households that own any livestock (V225 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V232A** Line number of first person who raised [L-VCC3]

**Description:** Line number in the household roster of the first person responsible for raising [L-VCC3].

**Question text:** Who in your household was responsible for raising [L-VCC3]?

**Base:** All completed households that raised [L-VCC3] (V231 = 1)

**Value set:** 1:50

**Value type:** numeric

**V232B** Line number of second person who raised [L-VCC3]

**Description:** Line number in the household roster of the second person responsible for raising [L-VCC3]. If only one person in the household was responsible for raising this animal, this variable will be coded as 00 to indicate that no more than the previous listed member is responsible for the animals.

**Question text:** Who else in your household was responsible for raising [L-VCC3] in the past one year?

**Base:** All completed households that raised [L-VCC3] (V231 = 1)

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V232C** Line number of third person who raised [L-VCC3]

**Description:** Line number in the household roster of the third person responsible for raising [L-VCC3]. If only two people in the household were responsible for raising this animal, this variable will be coded as 00 to indicate that no more than the previous two listed members are responsible for the animals.

**Question text:** Who else in your household was responsible for raising [L-VCC3] in the past one year?

**Base:** All completed households that raised [L-VCC3] (V231 = 1) and at least two people were responsible for raising [L-VCC3]

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V232D** Line number of fourth person who raised [L-VCC3]

**Description:** Line number in the household roster of the fourth person responsible for raising [L-VCC3]. If only three people in the household were responsible for raising this animal, this variable will be coded as 00 to indicate that no more than the previous three listed members are responsible for the animals.

**Question text:** Who else in your household was responsible for raising [L-VCC3]?

**Base:** All completed households that raised [L-VCC3] (V227 = 1) and at least three people were responsible for raising [L-VCC3]

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V233** Cultivated any crops past year

**Description:** Whether anyone in the household cultivated any kind of crop in the past one year. If yes, the respondent will be asked about three specific crops in the country chosen as the value chain commodities (C-VCC).

**Question text:** Did you or anyone in your household cultivate any crops in the past one year?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V234** Cultivated any [C-VCC1] past year

**Description:** Whether anyone in the household cultivated [C-VCC1] crop in the past one year.

**Question text:** Did anyone in your household cultivate [C-VCC1] in the past one year?

**Base:** All completed households that cultivated any crops in the past year (V233 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V235A** Line number of first person who cultivated [C-VCC1]

**Description:** Line number in the household roster of the first person responsible for cultivating [C-VCC1].

**Question text:** Who in your household was responsible for cultivating [C-VCC1] in the past one year?

**Base:** All completed households that cultivated [C-VCC1] in the past year (V234 = 1)

**Value set:** 1:50

**Value type:** numeric

**V235B** Line number of second person who cultivated [C-VCC1]

**Description:** Line number in the household roster of the second person responsible for cultivating [C-VCC1]. If only one person in the household was responsible for cultivating this crop, this variable will be coded as 00 to indicate that no more than the previous listed member is responsible for the crop.

**Question text:** Who else in your household was responsible for cultivating [C-VCC1] in the past one year?

**Base:** All completed households that cultivated [C-VCC1] in the past year (V234 = 1)

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V235C** Line number of third person who cultivated [C-VCC1]

**Description:** Line number in the household roster of the third person responsible for cultivating [C-VCC1]. If only two people in the household were responsible for cultivating this crop, this variable will be coded as 00 to indicate that no more than the previous two listed members are responsible for the crop.

**Question text:** Who else in your household was responsible for cultivating [C-VCC1] in the past one year?

**Base:** All completed households that cultivated [C-VCC1] in the past year (V234 = 1) and at least two people were responsible for cultivating [C-VCC1]

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V235D** Line number of fourth person who cultivated [C-VCC1]

**Description:** Line number in the household roster of the fourth person responsible for cultivating [C-VCC1]. If only three people in the household were responsible for cultivating this crop, this variable will be coded as 00 to indicate that no more than the previous three listed members are responsible for the crop.

**Question text:** Who else in your household was responsible for cultivating [C-VCC1] in the past one year?

**Base:** All completed households that cultivated [C-VCC1] in the past year (V234 = 1) and at least three people were responsible for cultivating [C-VCC1]

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V236** Cultivated any [C-VCC2] past year

**Description:** Whether anyone in the household cultivated [C-VCC2] crop in the past one year.

**Question text:** Did anyone in your household cultivate [C-VCC2] in the past one year?

**Base:** All completed households that cultivated any crops in the past year (V233 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V237A** Line number of first person who cultivated [C-VCC2]

**Description:** Line number in the household roster of the first person responsible for cultivating [C-VCC2].

**Question text:** Who in your household was responsible for cultivating [C-VCC2] in the past one year?

**Base:** All completed households that cultivated [C-VCC2] in the past year (V236 = 1)

**Value set:** 1:50

**Value type:** numeric

**V237B** Line number of second person who cultivated [C-VCC2]

**Description:** Line number in the household roster of the second person responsible for cultivating [C-VCC2]. If only one person in the household were responsible for cultivating this crop, this variable will be coded as 00 to indicate that no more than the previous listed member is responsible for the crop.

**Question text:** Who else in your household was responsible for cultivating [C-VCC2] in the past one year?

**Base:** All completed households that cultivated [C-VCC2] in the past year (V236 = 1)

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V237C** Line number of third person who cultivated [C-VCC2]

**Description:** Line number in the household roster of the third person responsible for cultivating [C-VCC2]. If only two people in the household were responsible for cultivating this crop, this variable will be coded as 00 to indicate that no more than the previous two listed members are responsible for the crop.

**Question text:** Who else in your household was responsible for cultivating [C-VCC2] in the past one year?

**Base:** All completed households that cultivated [C-VCC2] in the past year (V236 = 1) and at least two people were responsible for cultivating [C-VCC2]

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V237D** Line number of fourth person who cultivated [C-VCC2]

**Description:** Line number in the household roster of the fourth person responsible for cultivating [C-VCC2]. If only three people in the household were responsible for cultivating this crop, this variable will be coded as 00 to indicate that no more than the previous three listed members are responsible for the crop.

**Question text:** Who else in your household was responsible for cultivating [C-VCC2] in the past one year?

**Base:** All completed households that cultivated [C-VCC2] in the past year (V236 = 1) and at least three people were responsible for cultivating [C-VCC2]

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V238** Cultivated any [C-VCC3] past year

**Description:** Whether anyone in the household cultivated [C-VCC3] crop in the past one year.

**Question text:** Did anyone in your household cultivate [C-VCC3] in the past one year?

**Base:** All completed households that cultivated any crops in the past year (V233 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V239A** Line number of first person who cultivated [C-VCC3].

**Description:** Line number in the household roster of the first person responsible for cultivating [C-VCC3].

**Question text:** Who in your household was responsible for cultivating [C-VCC3] in the past one year?

**Base:** All completed households that cultivated [C-VCC3] in the past year (V238 = 1)

**Value set:** 1:50

**Value type:** numeric

**V239B** Line number of second person who cultivated [C-VCC3]

**Description:** Line number in the household roster of the second person responsible for cultivating [C-VCC3]. If only three people in the household were responsible for cultivating this crop, this variable will be coded as 00 to indicate that no more than the previous three listed members are responsible for the crop.

**Question text:** Who else in your household was responsible for cultivating [C-VCC3] in the past one year?

**Base:** All completed households that cultivated [C-VCC3] in the past year (V238 = 1)

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V239C** Line number of third person who cultivated [C-VCC3]

**Description:** Line number in the household roster of the third person responsible for cultivating [C-VCC3]. If only two people in the household were responsible for cultivating this crop, this variable will be coded as 00 to indicate that no more than the previous two listed members are responsible for the crop.

**Question text:** Who else in your household was responsible for cultivating [C-VCC3] in the past one year?

**Base:** All completed households that cultivated [C-VCC3] in the past year (V233 = 1) and at least two people were responsible for cultivating [C-VCC3]

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V239D** Line number of fourth person who cultivated [C-VCC3]

**Description:** Line number in the household roster of the fourth person responsible for cultivating [C-VCC3]. If only three people in the household were responsible for cultivating this crop, this variable will be coded as 00 to indicate that no more than the previous three listed members are responsible for the crop.

**Question text:** Who else in your household was responsible for cultivating [C-VCC3] in the past one year?

**Base:** All completed households that cultivated [C-VCC3] in the past year (V238 = 1) and at least three people were responsible for cultivating [C-VCC3]

**Value set:**

1:50

0 NO OTHER PERSON

**Value type:** numeric

**V240A** Own any agricultural land

**Description:** Whether the household owns any land used for agriculture.

**Question text:** Does any member of this household own any agricultural land?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V240B** Hectares of agricultural land

**Description:** Number of hectares of land used for agriculture that any members of the household own. If the country does not use hectares as standard land measurement, amount of land may be collected in other units and then converted into hectares for the final dataset.

**Question text:** How many hectares of agricultural land do members of this household own?

**Base:** All completed households that own any agricultural land (V240A = 1)

**Value set:**

0.1:94.9 HECTARES

95.0 95 HECTARES OR MORE

98.0 DON’T KNOW

**Value type:** numeric

**V241A** Own rights to use any agricultural land

**Description:** Whether the household owns rights to use any land they do not own for agriculture.

**Question text:** Does any member of this household have rights to use agricultural land that they do not own?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V241B** Hectares of agricultural land used but not owned

**Description:** Number of hectares of land used for agriculture that any members of the household have rights to use, but do not own. If the country does not use hectares as standard land measurement, amount of land may be collected in other units and then converted into hectares for the final dataset.

**Question text:** How many hectares of agricultural land do members of this household have the right to use, but do not own?

**Base:** All completed households that have rights to use agricultural land (V241A = 1)

**Value set:**

0.1:94.9 HECTARES

95.0 95 HECTARES OR MORE

98.0 DON’T KNOW

**Value type:** numeric

**V242** Use any irrigation

**Description:** Whether any of the land cultivated by any members of the household used irrigation other than rainfall.

**Question text:** Is any of the land you own cultivated using irrigation other than rainfall?

**Base:** All completed households that own any agricultural land or have rights to use any land they do not own (V240A = 1 or V241A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V243** Type of irrigation

**Description:** Types of irrigation used by members of the household for cultivating agricultural land. More than one type of irrigation can be recorded.

**Question text:** What type of irrigation do you usually use?

**Base:** All completed households that cultivated land using irrigation (V242 = 1)

**Value set:**

A BY HAND (WATERING CAN, HOSE, ETC)

B CANALS, GATES, DITCHES

C PERMANENT HOSE

D PUMPS

E FLOOD (BASIN, FURROW, OR BORDER)

F DRIP

G TRAVELING GUN/MOVING SPRINKLER

H SPRINKLER

I CENTER PIVOT

X OTHER

**Value type:** string

**V243A** Type of irrigation – by hand

**Description:** Whether the household used hand irrigation (watering can, hose, etc.) for cultivating agricultural land.

**Base:** All completed households that cultivated land using irrigation (V242 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V243B** Type of irrigation – canals, gates, ditches

**Description:** Whether the household used canals, gates, or ditches for cultivating agricultural land.

**Base:** All completed households that cultivated land using irrigation (V242 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V243C** Type of irrigation – permanent hose

**Description:** Whether the household used permanent hose irrigation for cultivating agricultural land.

**Base:** All completed households that cultivated land using irrigation (V242 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V243D** Type of irrigation - pumps

**Description:** Whether the household used pump irrigation for cultivating agricultural land.

**Base:** All completed households that cultivated land using irrigation (V242 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V243E** Type of irrigation - flood

**Description:** Whether the household used flood irrigation (basin, furrow, or border) for cultivating agricultural land.

**Base:** All completed households that cultivated land using irrigation (V242 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V243F** Type of irrigation - drip

**Description:** Whether the household used drip irrigation for cultivating agricultural land.

**Base:** All completed households that cultivated land using irrigation (V242 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V243G** Type of irrigation – traveling sprinkler

**Description:** Whether the household used traveling gun or moving sprinkler irrigation for cultivating agricultural land.

**Base:** All completed households that cultivated land using irrigation (V242 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V243H** Type of irrigation - sprinkler

**Description:** Whether the household used sprinkler irrigation for cultivating agricultural land.

**Base:** All completed households that cultivated land using irrigation (V242 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V243I** Type of irrigation – center pivot

**Description:** Whether the household used center pivot irrigation for cultivating agricultural land.

**Base:** All completed households that cultivated land using irrigation (V242 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V243X** Type of irrigation - other

**Description:** Whether the household used some other type of irrigation for cultivating agricultural land.

**Base:** All completed households that cultivated land using irrigation (V242 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V244H** Module 2: stop hour

**Description:** Time of the stop of the data collection for Module 2, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V244M** Module 2: stop minute

**Description:** Time of the stop of the data collection for Module 2, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D244** Module 2: stop day

**Description:** Day of the stop date for data collection for Module 2.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M244**  Module 2: stop month

**Description:** Month of the stop date for data collection for Module 2.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y244**  Module 2: stop year

**Description:** Year of the stop date for the data collection for Module 2.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**D244** Module 2: stop day

**Description:** Day of the stop date for data collection for Module 2.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M244** Module 2: stop month

**Description:** Month of the stop date for data collection for Module 2.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y244** Module 2: stop year

**Description:** Year of the stop date for the data collection for Module 2.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V245** Outcome of modules 1 & 2

**Description:** Result code for Modules 1 and 2. Code 4 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed. Modules 1 and 2 must be completed before any other modules can be assigned and completed, and should be completed at the same time. Therefore, only one outcome variable is used in CAPI data collection

**Base:** All households with a completed interview

**Value set:**

1 COMPLETED

4 POSTPONED/UNAVAILABLE

5 REFUSED

10 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

# Module 3 (MOD\_3): Food Security

**V300AH** Module 3: start hour

**Description:** Time of the start of the data collection for Module 3, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:24

**Value type:** numeric

**V300AM** Module 3: start minute

**Description:** Time of the start of the data collection for Module 3, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D300** Module 3: start day

**Description:** Day of the start date for data collection for Module 3.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M300**  Module 3: start month

**Description:** Month of the start date for data collection for Module 3.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y300**  Module 3: start year

**Description:** Year of the start date for the data collection for Module 3.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V300C** Line number of respondent Module 3

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 3.

**Base:** All completed households

**Value set:** 1:50

**Value type:** numeric

**V300D** Consent obtained

**Description:** Whether the respondent to Module 3 has agreed to be interviewed and included in the survey. If the respondent has not agreed, the interview may not continue.

**Question text:** OBTAIN CONSENT. DOES [NAME] AGREE TO PARTICIPATE IN THE SURVEY?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V301** Past 12 months: ever worried not enough food

**Description:** Whether anyone in the household was worried he or she would not have enough food to eat as a result of a lack of money or other resources in the past year. Respondents may refuse to answer this question and, if so, should be excluded from the analysis.

**Question text:** During the past 12 months, was there a time when you or others in your household were worried you would not have enough food to eat because of a lack of money or other resources?

**Base:** All completed households

**Value set:**

1 YES

2 NO

7 REFUSED

**Value type:** numeric

**V302** Past 12 months: ever unable to eat healthy food

**Description:** Whether anyone in the household was unable to eat healthy foods as a result of a lack of money or other resources in the past year. Respondents may refuse to answer this question and if so, should be excluded from the analysis.

**Question text:** During the past 12 months, was there a time when you or others in your household were unable to eat healthy or nutritious foods because of a lack of money or other resources?

**Base:** All completed households

**Value set:**

1 YES

2 NO

7 REFUSED

**Value type:** numeric

**V303** Past 12 months: ever limited variety of food

**Description:** Whether anyone in the household ate a limited variety of foods as a result of a lack of money or other resources in the past year. Respondents may refuse to answer this question and, if so, should be excluded from the analysis.

**Question text:** During the past 12 months, was there a time when you or others in your household ate only a few kinds of foods because of a lack of money or other resources?

**Base:** All completed households

**Value set:**

1 YES

2 NO

7 REFUSED

**Value type:** numeric

**V304** Past 12 months: ever skipped a meal

**Description:** Whether anyone in the household skipped a meal as a result of a lack of money or other resources in the past year. Respondents may refuse to answer this question and, if so, should be excluded from the analysis.

**Question text:** During the past 12 months, was there a time when you or others in your household had to skip a meal because there was not enough money or other resources to get food?

**Base:** All completed households

**Value set:**

1 YES

2 NO

7 REFUSED

**Value type:** numeric

**V305** Past 12 months: ever ate less than should

**Description:** Whether anyone in the household ate less than he or she should as a result of a lack of money or other resources in the past year. Respondents may refuse to answer this question and, if so, should be excluded from the analysis.

**Question text:** During the past 12 months, was there a time when you or others in your household ate less than you thought you should because of a lack of money or other resources?

**Base:** All completed households

**Value set:**

1 YES

2 NO

7 REFUSED

**Value type:** numeric

**V306** Past 12 months: ever didn’t have food

**Description:** Whether anyone in the household did not have food as a result of a lack of money or other resources in the past year. Respondents may refuse to answer this question and, if so, should be excluded from the analysis.

**Question text:** During the past 12 months, was there a time when your household did not have food because of a lack of money or other resources?

**Base:** All completed households

**Value set:**

1 YES

2 NO

7 REFUSED

**Value type:** numeric

**V307** Past 12 months: ever hungry but did not eat

**Description:** Whether anyone in the household was hungry but did not eat as a result of a lack of money or other resources in the past year. Respondents may refuse to answer this question and, if so, should be excluded from the analysis.

**Question text:** During the past 12 months, was there a time when you or others in your household were hungry but did not eat because there was not enough money or other resources for food?

**Base:** All completed households

**Value set:**

1 YES

2 NO

7 REFUSED

**Value type:** numeric

**V308** Past 12 months: ever didn’t eat for a whole day

**Description:** Whether anyone in the household did not eat for a whole day as a result of a lack of money or other resources in the past year. Respondents may refuse to answer this question and, if so, should be excluded from the analysis.

**Question text:** During the past 12 months, was there a time when you or others in your household went without eating for a whole day because of a lack of money or other resources?

**Base:** All completed households

**Value set:**

1 YES

2 NO

7 REFUSED

**Value type:** numeric

**V308A** Past 4 weeks/30 days: ever no food of any kind

**Description:** Whether there was ever no food to eat in the household because of a lack of resources in the past month. Respondents may refuse to answer this question and, if so, should be excluded from the analysis.

**Question text:** In the past [4 weeks/30 days], was there ever no food to eat of any kind in your house because of lack of resources to get food?

**Base:** All completed households

**Value set:**

1 YES

2 NO

7 REFUSED

**Value type:** numeric

**V308B** Past 4 weeks/30 days: how often no food of any kind

**Description:** How often there was no food to eat in the household because of a lack of resources in the past month. Respondents may refuse to answer this question and, if so, should be excluded from the analysis.

**Question text:** How often did this happen in the past [4 weeks/30 days]?

**Base:** All completed households in which there was ever no food in the past 4 weeks/30 days (V308A = 1)

**Value set:**

1 RARELY (1-2 TIMES)

2 SOMETIMES (3-10 TIMES)

3 OFTEN (MORE THAN 10 TIMES)

7 REFUSED

**Value type:** numeric

**V308C** Past 4 weeks/30 days: ever go to sleep hungry

**Description:** Whether anyone in the household went to sleep hungry because of a lack of resources in the past month. Respondents may refuse to answer this question and, if so, should be excluded from the analysis.

**Question text:** In the past [4 weeks/30 days], did you or any household member go to sleep at night hungry because there was not enough food?

**Base:** All completed households

**Value set:**

1 YES

2 NO

7 REFUSED

**Value type:** numeric

**V308D** Past 4 weeks/30 days: how often went to sleep hungry

**Description:** How often anyone in the household went to sleep hungry because of a lack of resources in the past month. Respondents may refuse to answer this question and, if so, should be excluded from the analysis.

**Question text:** How often did this happen in the past [4 weeks/30 days]?

**Base:** All completed households in which any member went to sleep hungry in the past 4 weeks/30 days (V308C = 1)

**Value set:**

1 RARELY (1-2 TIMES)

2 SOMETIMES (3-10 TIMES)

3 OFTEN (MORE THAN 10 TIMES)

7 REFUSED

**Value type:** numeric

**V308E** Past 4 weeks/30 days: ever go a whole day/night without eating

**Description:** Whether anyone in the household went a whole day and night without eating because of a lack of resources in the past month. Respondents may refuse to answer this question and, if so, should be excluded from the analysis.

**Question text:** In the past [4 weeks/30 days], did you or any household members go a whole day and night without eating anything at all because there was not enough food?

**Base:** All completed households

**Value set:**

1 YES

2 NO

7 REFUSED

**Value type:** numeric

**V308F** Past 4 weeks/30 days: how often went whole day/night without eating

**Description:** How often anyone in the household went a whole day and night without eating because of a lack of resources in the past month. Respondents may refuse to answer this question and, if so, should be excluded from the analysis.

**Question text:** How often did this happen in the past [4 weeks/30 days]?

**Base:** All completed households in which any member went a whole day without eating in the past 4 weeks/30 days (V308E = 1)

**Value set:**

1 RARELY (1-2 TIMES)

2 SOMETIMES (3-10 TIMES)

3 OFTEN (MORE THAN 10 TIMES)

7 REFUSED

**Value type:** numeric

**V309** Past 12 months: too much rain

**Description:** Whether the household experienced difficult times because of too much rain in the past 12 months.

**Question text:** Next I will ask you some questions about other kinds of difficult times that people face. Thinking again about the past 12 months, did your household face difficult times as a result of having too much rain?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V310** Impact on economic situation of too much rain

**Description:** The severity of the impact of too much rain on the economic situation of the household.

**Question text:** How severe would you say the impact of having too much rain was on your household’s economic situation?

**Base:** All completed households who faced difficult times because of too much rain (V309 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V311** Impact on household food consumption of too much rain

**Description:** The severity of the impact of too much rain on the food consumption of the household.

**Question text:** How severe would you say the impact of having too much rain was on your household’s food consumption?

**Base:** All completed households who faced difficult times because of too much rain (V309 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V312** Past 12 months: too little rain

**Description:** Whether the household experienced difficult times because of too little rain in the past 12 months.

**Question text:** In the past 12 months, did your household face difficult times as a result of having too little rain?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V313** Impact on economic situation of too little rain

**Description:** The severity of the impact of too little rain on the economic situation of the household.

**Question text:** How severe would you say the impact of having too little rain was on your household’s economic situation?

**Base:** All completed households who faced difficult times because of too little rain (V312 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V314** Impact on household food consumption of too little rain

**Description:** The severity of the impact of too little rain on the food consumption of the household.

**Question text:** How severe would you say the impact of having too little rain was on your household’s food consumption?

**Base:** All completed households who faced difficult times because of too little rain (V312 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V315** Past 12 months: erosion of land

**Description:** Whether the household experienced difficult times because of erosion of land in the past 12 months.

**Question text:** In the past 12 months, did your household face difficult times as a result of erosion of your land?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V316** Impact on economic situation of land erosion

**Description:** The severity of the impact of land erosion on the economic situation of the household.

**Question text:** How severe would you say the impact of erosion of land was on your household’s economic situation?

**Base:** All completed households who faced difficult times because of land erosion (V315 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V317** Impact on household food consumption of land erosion

**Description:** The severity of the impact of land erosion on the food consumption of the household.

**Question text:** How severe would you say the impact of erosion of land was on your household’s food consumption?

**Base:** All completed households who faced difficult times because of too much rain (V315 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V318** Past 12 months: loss of land

**Description:** Whether the household experienced difficult times because of loss of land in the past 12 months.

**Question text:** In the past 12 months, did your household face difficult time as a result of losing you household’s land?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V319** Impact on economic situation of loss of land

**Description:** The severity of the impact of loss of land on the economic situation of the household.

**Question text:** How severe would you say the impact of losing your household’s land was on your household’s economic situation?

**Base:** All completed households who faced difficult times because of loss of land (V318 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V320** Impact on household food consumption of loss of land

**Description:** The severity of the impact of loss of land on the food consumption of the household.

**Question text:** How severe would you say the impact of losing your household’s land was on your household’s food consumption?

**Base:** All completed households who faced difficult times because of loss of land (V318 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V321** Past 12 months: increase in food price

**Description:** Whether the household experienced difficult times because of an increase in the price of food in the past 12 months.

**Question text:** In the past 12 months, did your household face difficult time as a result of sharp increases in the price of food?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V322** Impact on economic situation of food price increase

**Description:** The severity of the impact of a food price increase on the economic situation of the household.

**Question text:** How severe would you say the impact of sharp increases in the price of food was on your household’s economic situation?

**Base:** All completed households who faced difficult times because of a food price increase (V321 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V323** Impact on household food consumption of food price increase

**Description:** The severity of the impact of a food price increase on the food consumption of the household.

**Question text:** How severe would you say the impact of sharp increases in the price of food was on your household’s food consumption?

**Base:** All completed households who faced difficult times because of a food price increase (V321 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V324** Past 12 months: stealing belongings

**Description:** Whether the household experienced difficult times because of theft in the past 12 months.

**Question text:** In the past 12 months, did your household face difficult times as a result of someone stealing or destroying household members’ belongings?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V325** Impact on economic situation of stealing belongings

**Description:** The severity of the impact of stolen belongings on the economic situation of the household.

**Question text:** How severe would you say the impact of the theft or destruction of your household members’ belongings was on your household’s economic situation?

**Base:** All completed households who faced difficult times because of stolen belongings (V324 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V325** Impact on household food consumption of stealing belongings

**Description:** The severity of the impact of stolen belongings on the food consumption of the household.

**Question text:** How severe would you say the impact of the theft or destruction of your household members’ belongings was on your household’s food consumption?

**Base:** All completed households who faced difficult times because of stolen belongings (V324 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V327** Crop cultivator filter

**Description:** Filter to determine if the household cultivates land. If not, the interviewer skips over the question relating to ownership of land. Automatic check in CAPI data collection.

**Question text:** CHECK Q. 233: DID THE HOUSEHOLD CULTIVATE ANY CROPS IN THE PAST YEAR?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V328** Past 12 months: no crop inputs

**Description:** Whether the household experienced difficult times because of not being able to access inputs for its crops in the past 12 months.

**Question text:** Again thinking about the past 12 months, did your household face difficult times as a result of not being able to access inputs for your crops?

**Base:** All completed households that cultivated any crops in past year

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V329** Impact on economic situation of no crop inputs

**Description:** The severity of the impact of no crop inputs on the economic situation of the household.

**Question text:** How severe would you say the impact of not being able to access inputs for your crops was on your household’s economic situation?

**Base:** All completed households who faced difficult times because of no crop inputs (V328 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V330** Impact on household food consumption of no crop inputs

**Description:** The severity of the impact of no crop inputs on the food consumption of the household.

**Question text:** How severe would you say the impact of not being able to access inputs for your crops was on your household’s food consumption?

**Base:** All completed households who faced difficult times because of no crop inputs (V328 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V331** Past 12 months: disease affected crops

**Description:** Whether the household experienced difficult times because of disease that affected crops in the past 12 months.

**Question text:** In the past 12 months, did your household face difficult times as a result of disease affecting your crops?

**Base:** All completed households that cultivated any crops in past year

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V332** Impact on economic situation of disease affected crops

**Description:** The severity of the impact of disease that affected crops on the economic situation of the household.

**Question text:** How severe would you say the impact of disease affecting your crops was on your household’s economic situation?

**Base:** All completed households who faced difficult times because of disease that affected crops (V331 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V333** Impact on household food consumption of disease affected crops

**Description:** The severity of the impact of disease that affected crops on the food consumption of the household.

**Question text:** How severe would you say the impact of disease affecting your crops was on your household’s food consumption?

**Base:** All completed households who faced difficult times because of disease that affected crops (V331 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V334** Past 12 months: pests affected crops

**Description:** Whether the household experienced difficult times because of pests that affect crops in the past 12 months.

**Question text:** In the past 12 months, did your household face difficult times as a result of pests affecting your crops?

**Base:** All completed households that cultivated any crops in past year

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V335** Impact on economic situation of pests affected crops

**Description:** The severity of the impact of pests that affect crops on the economic situation of the household.

**Question text:** How severe would you say the impact of pests affecting your crops was on your household’s economic situation?

**Base:** All completed households who faced difficult times because of pests that affect crops (V334 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V336** Impact on household food consumption of pests affected crops

**Description:** The severity of the impact of pests that affect crops on the food consumption of the household.

**Question text:** How severe would you say the impact of pests affecting your crops was on your household’s food consumption?

**Base:** All completed households who faced difficult times because of pests that affect crops (V334 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V337** Past 12 months: stealing crops

**Description:** Whether the household experienced difficult times because of theft of crops in the past 12 months.

**Question text:** In the past 12 months, did your household face difficult times as a result of someone stealing crops from your household?

**Base:** All completed households that cultivated any crops in past year

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V338** Impact on economic situation of stealing crops

**Description:** The severity of the impact of theft of crops on the economic situation of the household.

**Question text:** How severe would you say the impact of theft of your household’s crops was on your household’s economic situation?

**Base:** All completed households who faced difficult times because of theft of crops (V337 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V339** Impact on household food consumption of stealing crops

**Description:** The severity of the impact of theft of crops on the food consumption of the household.

**Question text:** How severe would you say the impact of theft of your household’s crops was on your household’s food consumption?

**Base:** All completed households who faced difficult times because of theft of crops (V337 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V340A** Livestock raising filter

**Description:** Filter to determine if the household rises any livestock or animals. If not, the interviewer skips over the question relating to ownership of livestock. Automatic check in CAPI data collection.

**Question text:** CHECK Q.255: DOES THE HOUSEHOLD OWN ANY LIVESTOCK?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V340** Past 12 months: no livestock inputs

**Description:** Whether the household experienced difficult times because of not being able to access inputs for livestock in the past 12 months.

**Question text:** In the past 12 months, did your household face difficult times as a result of not being able to access inputs for your livestock?

**Base:** All completed households that owned any livestock

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V341** Impact on economic situation of no livestock inputs

**Description:** The severity of the impact of not being able to access inputs for livestock on the economic situation of the household.

**Question text:** How severe would you say the impact of not being able to access inputs for your livestock was on your household’s economic situation?

**Base:** All completed households who faced difficult times because of not being able to access inputs for livestock (V340 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V342** Impact on household food consumption of no livestock inputs

**Description:** The severity of the impact of not being able to access inputs for livestock on the food consumption of the household.

**Question text:** How severe would you say the impact of not being able to access inputs for your livestock was on your household’s food consumption?

**Base:** All completed households who faced difficult times because of not being able to access inputs for livestock (V340 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V343** Past 12 months: disease affected livestock

**Description:** Whether the household experienced difficult times because of disease that affected livestock in the past 12 months.

**Question text:** In the past 12 months, did your household face difficult times as a result of disease affecting your livestock?

**Base:** All completed households that owned any livestock

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V344** Impact on economic situation of disease affected livestock

**Description:** The severity of the impact of disease that affected livestock on the economic situation of the household.

**Question text:** How severe would you say the impact of disease affecting your livestock was on your household’s economic situation?

**Base:** All completed households who faced difficult times because of disease that affected livestock (V343 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V345** Impact on household food consumption of disease affected livestock

**Description:** The severity of the impact of disease that affected livestock on the food consumption of the household.

**Question text:** How severe would you say the impact of disease affecting your livestock was on your household’s food consumption?

**Base:** All completed households who faced difficult times because of disease that affected livestock (V343 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V346** Past 12 months: stealing animals

**Description:** Whether the household experienced difficult times because of theft of animals in the past 12 months.

**Question text:** In the past 12 months, did your household face difficult times as a result of someone stealing animals from your household?

**Base:** All completed households that owned any livestock

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V347** Impact on economic situation of stealing animals

**Description:** The severity of the impact of theft of animals on the economic situation of the household.

**Question text:** How severe would you say the impact of theft of your household’s animals was on your household’s economic situation?

**Base:** All completed households who faced difficult times because of theft of animals (V346 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V348** Impact on household food consumption of stealing animals

**Description:** The severity of the impact of theft of animals on the food consumption of the household.

**Question text:** How severe would you say the impact of theft of your household’s animals was on your household’s food consumption?

**Base:** All completed households who faced difficult times because of theft of animals (V346 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V349** Past 12 months: can’t sell for fair price

**Description:** Whether the household experienced difficult times because of not being able to sell crops or livestock for a fair price in the past 12 months.

**Question text:** In the past 12 months, did your household face difficult times as a result of not being able to sell the crops, livestock, or other products your household produces for a fair price?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V350** Impact on economic situation of unfair prices

**Description:** The severity of the impact of unfair prices on the economic situation of the household.

**Question text:** How severe would you say the impact of not being able to sell your household’s products at a fair price was on your household’s economic situation?

**Base:** All completed households who faced difficult times because of unfair prices (V349 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V351** Impact on household food consumption of unfair prices

**Description:** The severity of the impact of unfair prices on the food consumption of the household.

**Question text:** How severe would you say the impact of not being able to sell your household’s products at a fair price was on your household’s food consumption?

**Base:** All completed households who faced difficult times because of unfair prices (V349 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V352** Anyone had severe illness past 12 months

**Description:** Whether anyone in the household was severely ill in the past 12 months.

**Question text:** Has anyone in your household experienced a severe illness in the past 12 months?

**Base:** All completed households

**Value set:**

1 YES

2 NO

7 REFUSED

**Value type:** numeric

**V353** Impact on economic situation of severe illness

**Description:** The severity of the impact of severe illness on the economic situation of the household.

**Question text:** How severe would you say the impact of this person’s illness was on your household’s economic situation?

**Base:** All completed households who faced difficult times because of severe illness (V352 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V354** Impact on household food consumption of severe illness

**Description:** The severity of the impact of severe illness on the food consumption of the household.

**Question text:** How severe would you say the impact of this person’s illness was on your household’s food consumption?

**Base:** All completed households who faced difficult times because of severe illness (V352 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V355** Death of family member past 12 months

**Description:** Whether the household had a death of a family member in the past 12 months.

**Question text:** Has your household experienced the death of a family member in the past 12 months?

**Base:** All completed households

**Value set:**

1 YES

2 NO

7 REFUSED

**Value type:** numeric

**V356** Impact on economic situation of family death

**Description:** The severity of the impact of family death on the economic situation of the household.

**Question text:** How severe would you say the impact of this person’s death was on your household’s economic situation?

**Base:** All completed households who faced difficult times because of family death (V355 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V357** Impact on household food consumption of family death

**Description:** The severity of the impact of family death on the food consumption of the household.

**Question text:** How severe would you say the impact of this person’s death was on your household’s food consumption?

**Base:** All completed households who faced difficult times because of family death (V355 = 1)

**Value set:**

1 NOT SEVERE

2 SOMEWHAT SEVERE

3 SEVERE

4 EXTREMELEY SEVERE

7 REFUSED

**Value type:** numeric

**V358** At least one hardship filter

**Description:** Filter to determine if the household cultivates land or owns any livestock or animals, or both. If not, the interviewer skips over the question relating to ownership of land and livestock. Automatic check in CAPI data collection.

**Question text:** CHECK QS. 309, 312, 315, 318, 321, 324, 328, 331, 334, 337, 340, 343, 346, 349, 352, and 355: IS THERE AT LEAST ONE “YES” RESPONSE?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V359** Ability to meet food needs now

**Description:** The ability of the household to meet its food consumption needs right now.

**Question text:** Thank you for sharing your experiences. I’d like to ask you just a few more questions about these difficult times. Would you say that right now, your household’s ability to meet your food needs is: Better than before these difficult times? The same as before these difficult times? Or worse than before these difficult times?

**Base:** All completed households who faced at least one difficult time

**Value set:**

1 BETTER THAN BEFORE DIFFICULT TIMES

2 SAME AS BEFORE DIFFICULT TIMES

3 WORSE THAN BEFORE DIFFICULT TIMES

7 REFUSED

**Value type:** numeric

**V360** Ability to meet food needs next year

**Description:** The ability of the household to meet its food consumption needs in the next year.

**Question text:** Looking ahead over the next year, do you believe your household’s ability to meet your food needs will be: Better than before these difficult times? The same as before these difficult times? Or worse than before these difficult times?

**Base:** All completed households who faced at least one difficult time

**Value set:**

1 BETTER THAN BEFORE DIFFICULT TIMES

2 SAME AS BEFORE DIFFICULT TIMES

3 WORSE THAN BEFORE DIFFICULT TIMES

7 REFUSED

**Value type:** numeric

**V361A** Can lean on relative in community

**Description:** Whether the household can lean on relatives who are living in the same community for support, financially and for food, during difficult times.

**Question text:** Thank you for sharing your experience. Now I will ask you some questions about whether your household will be able to lean on others for financial or food support during difficult times. By difficult times, I mean times when there is a loss of a family member, loss of income, hunger, drought, flood, conflict, or similar events. Will your household be able to lean on: Relatives living in your community?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V361B** Relatives in community can lean on respondent

**Description:** Whether relatives in the community can lean on the respondent, financially and for food, during difficult times.

**Question text:** Will the same relatives living in your community that you will be able to lean on during your difficult times also be able to lean on you for financial or food support during difficult times?

**Base:** All completed households that lean on relatives in community (V361A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V361C** Can lean on relatives outside community

**Description:** Whether the household can lean on relatives who are living outside the community for support, financially and for food, during difficult times.

**Question text:** During difficult times, will your household be able to lean on relatives living outside your community?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V361D** Relatives outside community can lean on respondent

**Description:** Whether relatives outside the community can lean on the respondent, financially and for food, during difficult times.

**Question text:** Will the same relatives living outside your community that you will be able to lean on during your difficult times also be able to lean on you for financial or food support during difficult times?

**Base:** All completed households that lean on relatives outside their community (V361C = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V361E** Can lean on non-relatives in community

**Description:** Whether the household can lean on non-relatives who are living in the same community for support, financially and for food, during difficult times.

**Question text:** Non-relatives living in your community?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V361F** Non-relatives in community can lean on respondent

**Description:** Whether non-relatives in the community can lean on the respondent, financially and for food, during difficult times.

**Question text:** Will the same non-relatives living in your community that you will be able to lean on during your difficult times also be able to lean on you for financial or food support during difficult times?

**Base:** All completed households that lean on non-relatives in the community (V361E = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V361G** Can lean on non-relatives outside community

**Description:** Whether the household can lean on non-relatives who are living outside the community for support, financially and for food, during difficult times.

**Question text:** Non-relatives living outside your community?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V361H** Non-relatives outside community can lean on respondent

**Description:** Whether non-relatives outside the community can lean on the respondent, financially and for food, during difficult times.

**Question text:** Will the same non-relatives living outside your community that you will be able to lean on during your difficult times also be able to lean on you for financial or food support during difficult times?

**Base:** All completed households that lean on non-relatives outside the community (V361G = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V362** Believe local government can support community

**Description:** Whether the respondent believes the local government can support the community during future difficult times. A country-specific shock is given as an example for the respondent.

**Question text:** Do you believe your local government will help the community cope with difficult times in the future, for example during [insert country-specific shock]?

**Base:** All completed households

**Value set:**

1 YES

2 NO, WILL NOT BE ABLE TO

3 NO, SUPPORT NOT NEEDED

**Value type:** numeric

**V363H** Module 3: stop hour

**Description:** Time of the stop of the data collection for Module 3, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V363M** Module 3: stop minute

**Description:** Time of the stop of the data collection for Module 3, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D363** Module 3: stop day

**Description:** Day of the stop date for data collection for Module 3.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M363** Module 3: stop month

**Description:** Month of the stop date for data collection for Module 3.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y363** Module 3: stop year

**Description:** Year of the stop date for the data collection for Module 3.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V364** Outcome of the module

**Description:** Result code for Module 3. Code 4 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** All households with a completed Module 1

**Value set:**

1 COMPLETED

4 POSTPONED/UNAVAILABLE

5 REFUSED

10 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

# Module 4 (MOD\_4\_INF): SINGLE INFORMATION

**V433** Module 4: Outcome of the module

**Description:** Result code for each eligible woman in Module 4. Code 4 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Base:** All eligible women (ages 15-49)

**Value set:**

1 COMPLETED

2 HOUSEHOLD MEMBER NOT AT HOME

4 POSTPONED

5 REFUSED

10 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

# Module 4 (MOD\_4): Women’s Nutrition

**V400H** Module 4: start hour

**Description:** Time of the start of the data collection for Module 4 - Nutrition, collected in a 24-hour format.

**Base:** All eligible women (age 15-49)

**Value set:** 0:23

**Value type:** numeric

**V400M** Module 4: start minute

**Description:** Time of the start of the data collection for Module 4 - Nutrition, collected in a 24-hour format.

**Base:** All eligible women (age 15-49)

**Value set:** 0:59

**Value type:** numeric

**D400** Module 4: start day

**Description:** Day of the start date for data collection for Module 4.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M400**  Module 4: start month

**Description:** Month of the start date for data collection for Module 4.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y400**  Module 4: start year

**Description:** Year of the start date for the data collection for Module 4.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V400D** Line number in household

**Description:** Line number, in the household roster, of the eligible woman included in Module 4. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49, based on age in the household roster.

**Base:** All eligible women (ages 15-49)

**Value set:** 1:50

**Value type:** numeric

**V400E** Consent obtained

**Description:** Whether the eligible woman has agreed to be interviewed and included in the survey. If the woman has not agreed, the interview may not continue.

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V401M** Month of birth

**Description:** Month of birth of the eligible woman. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** In what month were you born?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 JANUARY

2 FEBRUARY

3 MARCH

4 APRIL

5 MAY

6 JUNE

7 JULY

8 AUGUST

9 SEPTEMBER

10 OCTOBER

11 NOVEMBER

12 DECEMBER

98 DON’T KNOW

**Value type:** numeric

**V401Y** Year of birth

**Description:** Year of birth of the eligible woman. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** In what year were you born?

**Base:** All eligible women (ages 15-49)

**Value set:**

1958:2003

9998 DON’T KNOW

**Value type:** numeric

**V402** Age

**Description:** Age of eligible woman, recorded in years. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Please tell me how old you are. What was your age at your last birthday?

**Base:** All eligible women (ages 15-49)

**Value set:**

15:49

98 DON’T KNOW

**Value type:** numeric

**V403** Between 15 and 49 years old

**Description:** Whether woman is eligible and is ages 15 to 49. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49. Asked of only women who did not know their age when asked in V402.

**Question text:** Are you between the ages of 15 and 49 years old?

**Base:** All eligible women (ages 15-49) who did not know their age (V402 = 98)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V404** Respondent eligible

**Description:** Filter to define whether woman is of eligible age for the module, based on information collected in V401 – V403. If information is inconsistent, the interviewer probes the respondent to figure out whether the woman is between ages 15 and 49. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49. Automatic check in CAPI data collection.

**Question text:** CHECK 401, 402, AND 403 (IF APPLICABLE): IS THE RESPONDENT BETWEEN THE AGES OF 15 AND 49? IF THE INFORMATION IN 401, 402, AND 403 CONFLICTS, DETERMINE WHICH IS THE MOST ACCURATE USING THE AGE/YEAR OF BIRTH CONSISTENCY CHART AND GUIDANCE FROM YOUR INTERVIEWER’S MANUAL.

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V408** Dietary diversity spontaneous recall

**Description:** Rather than asking the respondent about all foods individually, the interviewer first asks the respondent to recall what they ate yesterday. As the respondent lists foods, the interviewer selects each applicable food. For all unselected foods, the interviewer will ask specifically if the respondent consumed that food yesterday. Data are collected in this manner to reduce the time of interview and make the format more conversational and to improve data quality. This variable holds the spontaneous responses given by the respondent initially. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Now I would like to ask you to tell me about the foods and drinks that you consumed yesterday during the day or night, whether you ate it at home or anywhere else. Please include all foods and drinks, any snacks or small meals, as well as any main meals. Think about when you first woke up yesterday. Did you eat or drink anything at that time? Please tell me everything you ate at that time. Anything else? Did you eat or drink anything later in the morning? Please tell me everything you ate at that time. Anything else? Did you eat or drink anything at mid-day? Please tell me everything you ate at that time. Anything else? Did you eat or drink anything during the afternoon? Please tell me everything you ate at that time. Anything else? Did you eat or drink anything in the evening? Please tell me everything you ate at that time. Anything else? Did you eat or drink anything in the evening before going to bed or during the night? Please tell me everything you ate at that time. Anything else? What ingredients were in that [mixed dish]? Anything else?

**Base:** All eligible women (ages 15-49)

**Value type:** string

**V409** Grains, such as bread, rice, noodles, porridge

**Description:** Whether the respondent ate grains yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Food made from grains, such as bread, rice, noodles, porridge, or [other local grain food]?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V410** Pumpkin, carrots, squash, or sweet potatoes

**Description:** Whether the respondent ate pumpkin, carrots, squash, or sweet potatoes yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Pumpkin, carrots, squash, or sweet potatoes that are yellow or orange inside or [other local yellow/orange foods]?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V411** White potatoes, white yams, cassava, other roots

**Description:** Whether the respondent ate root vegetables yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** White potatoes, white yams, cassava, [other local root crops] or any other foods made from roots?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V411A** Plantain or green bananas

**Description:** Whether the respondent ate plantains or green bananas yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Any plantain or green bananas?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V412** Dark green leafy vegetables

**Description:** Whether the respondent ate dark green leafy vegetables yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15‑49.

**Question text:** Any dark green leafy vegetables such as [local dark green leafy vegetables]?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V413** Other vegetables

**Description:** Whether the respondent ate any other vegetables not mentioned yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Any other vegetables?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V414** Ripe mangoes, papayas

**Description:** Whether the respondent ate mangoes or papayas yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Ripe mangoes, ripe papayas, or [other local vitamin A-rich fruits]?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V415** Other fruits

**Description:** Whether the respondent ate other fruits not mentioned yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15‑49.

**Question text:** Any other fruits?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V416** Liver, kidney, heart, etc., from domesticated animals

**Description:** Whether the respondent ate organ meat from a domesticated animal yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Any liver, kidney, heart, or other organ meats from domesticated animals such as cow, pig, lamb, goat, chicken, or duck?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V417** Meat from domesticated animals

**Description:** Whether the respondent ate any other domesticated animal meat yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Any meat from domesticated animals, such as cow, pig, lamb, goat, chicken, or duck?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V418** Liver, kidney, heart, etc., from wild animals

**Description:** Whether the respondent ate any organ meat from wild animals yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Any liver, kidney, heart, or other organ meats from wild animals such as [names of local commonly consumed wildlife]?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V419** Flesh from wild animals

**Description:** Whether the respondent ate any other wild animal meat yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15‑49.

**Question text:** Any flesh from wild animals, such as [names of local commonly consumed wildlife]?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V420** Eggs

**Description:** Whether the respondent ate eggs yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Eggs?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V421** Fresh/dried fish, shellfish, seafood

**Description:** Whether the respondent ate seafood yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Fresh or dried fish, shellfish, or seafood?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V422** Beans, peas, or lentils

**Description:** Whether the respondent ate beans, peas, or lentils yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Any foods made from beans, peas, or lentils, such as [add any local legume names]?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V423** Nuts or seeds

**Description:** Whether the respondent ate nuts or seeds yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Any foods made from nuts or seeds such as [add any local nut/seed names]?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V424** Milk, cheese, yogurt, other milk products

**Description:** Whether the respondent ate dairy yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Milk, cheese, yogurt, or other milk products?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V425** Oil, fats, or butter

**Description:** Whether the respondent ate fats yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Any oil, fats, or butter, or foods made with any of these?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V426** Sugary foods

**Description:** Whether the respondent ate sugary foods yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Any sugary foods such as chocolates, sweets, candies, pastries, cakes, or biscuits?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V427** Condiments (chilies, spices, herbs, fish powder

**Description:** Whether the respondent ate any condiments yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Condiments for flavor, such as chilies, spices, herbs, fish powder, or [add any local condiment names]?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V428** Grubs, snails, or insects

**Description:** Whether the respondent ate grubs, snails, or insects yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Grubs, snails, or insects such as [add any local insect names]?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V429** Red palm oil, nut, pulp sauce

**Description:** Whether the respondent ate red palm yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Foods made with red palm oil, red palm nut, or red palm nut pulp sauce?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V430** Any other foods

**Description:** Whether the respondent ate any other foods not yet mentioned yesterday. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V431H** Module 4: stop hour

**Description:** Time of the stop of the data collection for Module 4 - Nutrition, collected in a 24-hour format. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Base:** All eligible women (ages 15-49)

**Value set:** 0:23

**Value type:** numeric

**V431M** Module 4: stop minute

**Description:** Time of the stop of the data collection for Module 4 - Nutrition, collected in a 24-hour format. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Base:** All eligible women (age 15-49)

**Value set:** 0:59

**Value type:** numeric

**D431** Module 4: stop day

**Description:** Day of the stop date for data collection for Module 4.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M431** Module 4: stop month

**Description:** Month of the stop date for data collection for Module 4.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y431** Module 4: stop year

**Description:** Year of the stop date for the data collection for Module 4.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

# Module 4A (ANTHRO\_WOMEN): Women’s Anthropometry

**V400AAH** Module 4A: start hour

**Description:** Time of the start of the data collection for Module 4 - Anthropometry, collected in a 24-hour format. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Base:** All eligible women (ages 15-49)

**Value set:** 0:24

**Value type:** numeric

**V400AAM** Module 4A: start minute

**Description:** Time of the start of the data collection for Module 4 - Anthropometry, collected in a 24-hour format. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Base:** All eligible women (ages 15-49)

**Value set:** 0:59

**Value type:** numeric

**V400AD** Line number of woman in household

**Description:** Line number, in the household roster, of the eligible woman included in Module 4. This is a multiple occurrence-variable, depending on the number of eligible women ages 15-49, based on age in the household roster.

**Base:** All eligible women (ages 15-49)

**Value set:** 1:50

**Value type:** numeric

**AN400X** Index of women

**Description:** Serial number assigned to the eligible women for Module 4 – ordered based on the order of appearance in the household roster. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Base:** All eligible women (ages 15-49)

**Value set:** 1:15

**Value type:** numeric

**AN405** Currently pregnant

**Description:** Whether the respondent is currently pregnant. If a woman is pregnant or does not know if she is pregnant, the woman will not be measured for anthropometry. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Question text:** Are you currently pregnant?

**Base:** All eligible women (ages 15-49)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**AN406** Height in centimeters

**Description:** Height of eligible woman, recorded in centimeters. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Base:** All eligible, not pregnant women (ages 15-49) (AN405 = 2)

**Value set:**

80.0:240.0

999.4 NOT PRESENT

999.5 REFUSED

999.6 OTHER

**Value type:** numeric

**AN407** Weight in kilograms

**Description:** Weight of eligible woman, recorded in kilograms. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Base:** All eligible, not pregnant women (ages 15-49) (AN405 = 2)

**Value set:**

15.0:300.0

999.4 NOT PRESENT

999.5 REFUSED

999.6 OTHER

**Value type:** numeric

**AN408H** Module 4: stop hour

**Description:** Time of the start of the data collection for Module 4 - Anthropometry, collected in a 24-hour format. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Base:** All eligible women (ages 15-49)

**Value set:** 0:23

**Value type:** numeric

**AN408M** Module 4: stop minute

**Description:** Time of the stop of the data collection for Module 4 - Anthropometry, collected in a 24-hour format. This is a multiple-occurrence variable, depending on the number of eligible women ages 15-49.

**Base:** All eligible women (ages 15-49)

**Value set:** 0:59

**Value type:** numeric

# Module 5 (MOD\_5\_INF): Single Information

**V566** Module 5: Outcome of the module

**Description:** Result code for Module 5. Code 4 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** All eligible children (ages 0-5)

**Value set:**

1 COMPLETED

4 POSTPONED

5 REFUSED

10 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

# Module 5 (MOD\_5): Children’s Nutrition

**V500H** Module 5: start hour

**Description:** Time of the start of the data collection for Module 5 - Nutrition, collected in a 24-hour format. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children (ages 0-5)

**Value set:** 0:23

**Value type:** numeric

**V500M** Module 5: start minute

**Description:** Time of the start of the data collection for Module 5 - Nutrition, collected in a 24-hour format. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children (ages 0-5)

**Value set:** 0:59

**Value type:** numeric

**D500** Module 5: start day

**Description:** Day of the start date for data collection for Module 5.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M500**  Module 5: start month

**Description:** Month of the start date for data collection for Module 5.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y500**  Module 5: start year

**Description:** Year of the start date for the data collection for Module 5.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V500D** Child’s line number in household

**Description:** Line number, in the household roster, of the child in the household whose caregiver was interviewed for Module 5. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children (ages 0-5)

**Value set:** 1:50

**Value type:** numeric

**V500E** Household line number of caregiver

**Description:** Line number, in the household roster, of the caregiver in the household who was interviewed for Module 5 about his or her child. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children (ages 0-5)

**Value set:** 1:50

**Value type:** numeric

**V500F** Consent obtained

**Description:** Whether the eligible child’s caregiver has agreed to be interviewed and to include his or her child in the survey. If the caregiver has not agreed, the interview may not continue. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children (ages 0-5)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V501** Sex of child

**Description:** Sex of the eligible child. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** What is [CHILD’S NAME]’s sex?

**Base:** All eligible children (ages 0-5)

**Value set:**

1 MALE

2 FEMALE

**Value type:** numeric

**V502D** Day of birth

**Description:** Day of birth of the eligible child. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** I would like to ask you some questions about [CHILD’S NAME]. What is his/her birthday? On what day was [CHILD’S NAME] born?

**Base:** All eligible children (ages 0-5)

**Value set:**

1:31

98 DON’T KNOW

**Value type:** numeric

**V502M** Month of birth

**Description:** Month of birth of the eligible child. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** In what month was [CHILD’S NAME] born?

**Base:** All eligible children (ages 0-5)

**Value set:**

1 JANUARY

2 FEBRUARY

3 MARCH

4 APRIL

5 MAY

6 JUNE

7 JULY

8 AUGUST

9 SEPTEMBER

10 OCTOBER

11 NOVEMBER

12 DECEMBER

98 DON’T KNOW

**Value type:** numeric

**V502Y** Year of birth

**Description:** Year of birth of the eligible child. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** In what year was [CHILD’S NAME] born?

**Base:** All eligible children (ages 0-5)

**Value set:**

Survey-specific

9998 DON’T KNOW

**Value type:** numeric

**V503** Birthdate complete

**Description:** Checks whether the date of birth given is complete, with no responses of “Don’t know.” This is done automatically in CAPI data collection. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children (ages 0-5)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V504** Has vaccination card

**Description:** Whether the child has a health or vaccination card that includes the date of birth. Used to gather birthday information when the respondent does not recall at least one part of the date of birth. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Does [CHILD’S NAME] have a health or vaccination card with the birthdate recorded?

**Base:** All eligible children (ages 0-5) whose birthdates given by caregivers are not complete (V503 = 2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V505** Permission to see vaccination card

**Description:** Whether the respondent allowed the interviewer to see the vaccination card to record the date of birth. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** May I please see the card?

**Base:** All eligible children (ages 0-5) whose birthdates given by caregivers are not complete and have a vaccination card (V503 = 2 & V504 = 1)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V506D** Day of birth, vaccination card

**Description:** Day of birth of the eligible child, according to health or vaccination card. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children (ages 0-5) whose birthdates given by caregivers are not complete and have a vaccination card (V503 = 2 & V504 = 1)

**Value set:**

1:31

98 DON’T KNOW

**Value type:** numeric

**V506M** Month of birth, vaccination card

**Description:** Month of birth of the eligible child, according to health or vaccination card. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children (ages 0-5) whose birthdates given by caregivers are not complete and have a vaccination card (V503 = 2 & V504 = 1)

**Value set:**

1 JANUARY

2 FEBRUARY

3 MARCH

4 APRIL

5 MAY

6 JUNE

7 JULY

8 AUGUST

9 SEPTEMBER

10 OCTOBER

11 NOVEMBER

12 DECEMBER

98 DON’T KNOW

**Value type:** numeric

**V506Y** Year of birth, vaccination card

**Description:** Year of birth of the eligible child, according to health or vaccination card. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children (ages 0-5) whose birthdates given by caregivers are not complete and have a vaccination card (V503 = 2 & V504 = 1)

**Value set:**

Survey-specific

9998 DON’T KNOW

**Value type:** numeric

**V507** Age in years

**Description:** Age at last birthday of eligible child. Recorded in completed years. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** How old was [CHILD’S NAME] at his/her last birthday?

**Base:** All eligible children (ages 0-5)

**Value set:** 0:5

**Value type:** numeric

**V508** Age in months

**Description:** Age of eligible child, recorded in complete months. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** How many months old is [CHILD’S NAME]?

**Base:** All eligible children (ages 0-5)

**Value set:** 0:72

**Value type:** numeric

**V510** DOB consistent with age in years

**Description:** Check whether the age in years recorded in V507 is consistent with the date of birth. Automatic check in CAPI data collection. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** CHECK: IS THE YEAR RECORDED IN 502 OR 506 CONSISTENT WITH THE AGE IN YEARS RECORDED IN 507?

**Base:** All eligible children (ages 0-5)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V511** DOB consistent with age in months

**Description:** Check on whether the age in months recorded in V508 is consistent with the date of birth. Automatic check in CAPI data collection. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** ARE YEAR AND MONTH OF BIRTH RECORDED IN 502 OR 506 CONSISTENT WITH AGE IN MONTHS RECORDED IN 508?

**Base:** All eligible children (ages 0-5)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V513** Child under age 6

**Description:** Check on whether the child is ages 0-5 and is ultimately eligible for anthropometry data collection. Automatic check in CAPI data collection. Because the caregiver responding to the module may have a better knowledge of the child’s age than the household respondent, age eligibility is rechecked before continuing the module. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children (ages 0-5)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V519** Child under age 3

**Description:** Check on whether the child is ages 0-2 and is ultimately eligible for the nutrition questions in Module 5. Automatic check in CAPI data collection. Because caregiver responding to the module may have a better knowledge of the child’s age than the household respondent, age eligibility is rechecked before continuing the module. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children (ages 0-5)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V520** Ever breastfed

**Description:** Whether the child has ever been breastfed. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Has [CHILD’S NAME] ever been breastfed?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V521** Breastfed yesterday

**Description:** Whether the child was breastfed yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Was [CHILD’S NAME] breastfed yesterday during the day or at night?

**Base:** All eligible children for nutrition (ages 0-2) who have ever been breastfed (V520 = 1)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V522** Consumed breastmilk yesterday

**Description:** Whether the child consumed breastmilk yesterday. Asked to find breastmilk consumption that happens outside of direct breastfeeding. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Sometimes babies are fed breast milk in different ways, for example by spoon, cup, or bottle. This can happen when the mother cannot always be with her baby. Sometimes babies are breastfed by another woman or given breast milk from another woman by spoon, cup, bottle, or some other way. This can happen if a mother cannot breastfeed her own baby. Did [CHILD’S NAME] consume breast milk in any of these ways yesterday during the day or at night?

**Base:** All eligible children for nutrition (ages 0-2) who have not ever breastfed or did not breastfeed yesterday (V520 in 2,8 OR V521 in 2,8)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V523** Given vitamin/medicine drops yesterday

**Description:** Whether the child was given any vitamin or medicine drops yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Now I would like to ask you about some medicines and vitamins that are sometimes given to infants. Was [CHILD’S NAME] given any vitamin drops or other medicines as drops yesterday during the day or at night?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V524** Given ORS yesterday

**Description:** Whether the child was given an oral rehydration solution yesterday. The names of oral rehydration solution options in the country are provided. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Was [CHILD’S NAME] given [local name for oral rehydration solution] yesterday during the day or night?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V526** Plain water

**Description:** Whether the child drank plain water yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Now I would like to ask you about some liquids that [CHILD’S NAME] may have had yesterday during the day or at night. Did [CHILD’S NAME] have any plain water?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V527** Infant formula

**Description:** Whether the child drank any instant formula yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Infant formula such as [INSERT LOCAL EXAMPLES]?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V528** Number of times drank formula

**Description:** Number of times the child drank infant formula yesterday, asked of children who drank any infant formula yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** How many times yesterday during the day or at night did [CHILD’S NAME] consume any formula?

**Base:** All eligible children for nutrition (ages 0-2) who drank infant formula yesterday (V527 = 1)

**Value set:**

0:24

98 DON’T KNOW

**Value type:** numeric

**V529** Milk (tinned, powdered, fresh animal milk)

**Description:** Whether the child drank milk yesterday—tinned, powdered, or fresh animal milk. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Did [CHILD’S NAME] have any milk such as tinned, powdered, or fresh animal milk?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V530** Number of times drank milk

**Description:** Number of times child drank milk yesterday, asked of children who drank any milk yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** How many times yesterday during the day or at night did [CHILD’S NAME] consume any milk?

**Base:** All eligible children for nutrition (ages 0-2) who drank milk yesterday (V529 = 1)

**Value set:**

0:24

98 DON’T KNOW

**Value type:** numeric

**V531** Juice/juice drinks

**Description:** Whether the child drank juice or other juice drinks yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Did [CHILD’S NAME] have any juice or juice drinks?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V532** Clear broth

**Description:** Whether the child drank clear broth yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Did [CHILD’S NAME] have any clear broth?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V533** Yogurt

**Description:** Whether the child had yogurt yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Did [CHILD’S NAME] have any yogurt?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V534** Number of times ate yogurt

**Description:** Number of times the child had yogurt yesterday, asked only of children who had any yogurt yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** How many times yesterday during the day or at night did [CHILD’S NAME] consume any yogurt?

**Base:** All eligible children for nutrition (ages 0-2) who ate yogurt yesterday (V533 = 1)

**Value set:**

0:24

98 DON’T KNOW

**Value type:** numeric

**V535** Thin porridge

**Description:** Whether the child had any thin porridge yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Did [CHILD’S NAME] have any thin porridge?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V536** Other local liquids

**Description:** Whether the child drank any other local liquids yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Any other liquids such as [list other water-based liquids available in the local setting]?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V537** Other liquids

**Description:** Whether the child drank any other liquids not already mentioned yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Did [CHILD’S NAME] have any other liquids?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V538** Dietary diversity spontaneous recall

**Description:** Rather than asking the respondent about all foods individually, the interviewer first asks the respondent to recall what each child ate yesterday. As the respondent lists foods, the interviewer selects each applicable food. For all unselected foods, the interviewer will ask specifically if the child consumed that food yesterday. Data are collected in this manner to reduce the time of interview and make the format more conversational and to improve data quality. This variable holds the spontaneous responses given by the respondent initially. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Now I would like to ask you to tell me about the foods and drinks that [CHILD’S NAME] consumed yesterday during the day or night, whether [CHILD’S NAME] ate it at home or anywhere else. Please include all foods and drinks, any snacks or small meals, as well as any main meals. Think about when [CHILD’S NAME] first woke up yesterday. Did [CHILD’S NAME] eat or drink anything at that time? Please tell me everything [CHILD’S NAME] ate at that time. Anything else? Did [CHILD’S NAME] eat or drink anything later in the morning? Please tell me everything [CHILD’S NAME] ate at that time. Anything else? Did [CHILD’S NAME] eat or drink anything at mid-day? Please tell me everything [CHILD’S NAME] ate at that time. Anything else? Did [CHILD’S NAME] eat or drink anything during the afternoon? Please tell me everything [CHILD’S NAME] ate at that time. Anything else? Did [CHILD’S NAME] eat or drink anything in the evening? Please tell me everything [CHILD’S NAME] ate at that time. Anything else? Did [CHILD’S NAME] eat or drink anything in the evening before going to bed or during the night? Please tell me everything [CHILD’S NAME] ate at that time. Anything else? What ingredients were in that [mixed dish]? Anything else?

**Base:** All eligible children for nutrition (ages 0-2)

**Value type:** string

**V539** Grains, such as bread, rice, noodles, porridge

**Description:** Whether the child ate any grains yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Foods made from grains, such as bread, rice, noodles, porridge, or [other local grain food]?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V540** Pumpkin, carrots, squash, or sweet potatoes

**Description:** Whether the child ate pumpkin, carrots, squash, or sweet potatoes yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Pumpkin, carrots, squash, or sweet potatoes that are yellow or orange inside or [other local yellow/orange foods]?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V541** White potatoes, white yams, manioc, cassava, other root vegetables

**Description:** Whether the child ate root vegetables yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** White potatoes, white yams, manioc, cassava, [other local root crops] or any other foods made from roots?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V541A** Plantain or green bananas

**Description:** Whether the child ate plantains or green bananas yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Any plantains or green bananas?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V542** Dark green leafy vegetables

**Description:** Whether the child ate dark green leafy vegetables yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Any dark green leafy vegetables such as [local dark green leafy vegetables]?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V543** Other vegetables

**Description:** Whether the child ate other vegetables yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Any other vegetables?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V544** Ripe mangoes, papayas

**Description:** Whether the child ate ripe mangoes or papayas yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Ripe mangoes, ripe papayas or [other local vitamin A-rich fruits]?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V545** Other fruits

**Description:** Whether the child ate other fruits yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Any other fruits?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V546** Liver, kidney, heart, etc., from domesticated animals

**Description:** Whether the child ate domesticated animal organ meats yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Any liver, kidney, heart, or other organ meats from domesticated animals such as cow, pig, lamb, goat, chicken, or duck?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V547** Meat from domesticated animals

**Description:** Whether the child ate domesticated animal meat yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Any meat from domesticated animals, such as cow, pig, lamb, goat, chicken, or duck?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V548** Liver, kidney, heart, etc., from wild animals

**Description:** Whether the child ate wild animal organ meats yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Any liver, kidney, heart, or other organ meats from wild animals such as [names of local commonly consumed wildlife]?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V549** Flesh from wild animals

**Description:** Whether the child ate wild animal flesh meat yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Any flesh from wild animals, such as [names of local commonly consumed wildlife]?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V550** Eggs

**Description:** Whether the child ate eggs yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Eggs?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V551** Fresh/dried fish, shellfish, seafood

**Description:** Whether the child ate seafood yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Fresh or dried fish, shellfish, or seafood?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V552** Beans, peas, or lentils

**Description:** Whether the child ate beans, peas, or lentils yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Any foods made from beans, peas, or lentils, such as [add any local legume name(s)]?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V553** Nuts or seeds

**Description:** Whether the child ate nuts or seeds yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Any foods made from nuts or seeds such as [add any local nut/seed names]?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V554** Milk, cheese, yogurt, other milk products

**Description:** Whether the child ate dairy yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Cheese, yogurt, or other milk products?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V555** Oil, fats, or butter

**Description:** Whether the child ate oil, fats, or butter yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Any oil, fats, or butter, or foods made with any of these?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V556** Sugary foods

**Description:** Whether the child ate sugary foods yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Any sugary foods such as chocolates, sweets, candies, pastries, cakes, or biscuits?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V557** Condiments (chilies, spices, herbs, fish powder)

**Description:** Whether the child ate condiments yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Condiments for flavor, such as chilies, spices, herbs, fish powder or [add any local condiment names]?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V558** Grubs, snails, or insects

**Description:** Whether the child ate grubs, snails, or insects yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Grubs, snails, or insects such as [add any local insect names]?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V559** Red palm oil, nut, pulp sauce

**Description:** Whether the child ate red palm yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Foods made with red palm, oil, red palm nut, or red palm nut pulp sauce?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V560** Any other foods

**Description:** Whether the child ate any other foods yesterday, must be specified. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V562** Child ate food yesterday

**Description:** Whether the child ate any food yesterday. This is asked if no foods were recorded as consumed yesterday. If the respondent says “yes,” that the child ate any food yesterday, the interviewer goes back to V539 to V560 and records the foods consumed, recording in “other” if necessary. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** Did [CHILD’S NAME] eat any solid, semi-solid, or soft foods yesterday during the day or at night?

**Base:** All eligible children for nutrition (ages 0-2)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V563** Number of times child ate food yesterday

**Description:** Number of times the child ate any food yesterday. This is a multiple-occurrence variable, depending on the number of eligible children.

**Question text:** How many times did [CHILD’S NAME] eat solid, semi-solid, or soft foods other than liquids yesterday during the day or at night?

**Base:** All eligible children for nutrition (ages 0-2) who ate food yesterday (V562 = 1)

**Value set:**

0:24

98 DON’T KNOW

**Value type:** numeric

**V564H** Module 5: stop hour

**Description:** Time of the stop of the data collection for Module 5 - Nutrition, collected in a 24-hour format. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children for nutrition (ages 0-5)

**Value set:** 0:23

**Value type:** numeric

**V564M** Module 5: stop minute

**Description:** Time of the stop of the data collection for Module 5 - Nutrition, collected in a 24-hour format. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children for nutrition (ages 0-5)

**Value set:** 0:59

**Value type:** numeric

**D564** Module 5: stop day

**Description:** Day of the stop date for data collection for Module 5.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M564** Module 5: stop month

**Description:** Month of the stop date for data collection for Module 5.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y564** Module 5: stop year

**Description:** Year of the stop date for the data collection for Module 5.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

# Module 5A (ANTHRO\_CHILD): Children’s Anthropometry

**V500AAH** Module 5: start hour

**Description:** Time of the start of the data collection for Module 5 - Anthropometry, collected in a 24-hour format. This is a multiple-occurrence variable, depending on number of eligible children.

**Base:** All eligible children for nutrition (ages 0-5)

**Value set:** 0:23

**Value type:** numeric

**V500AAM** Module 5: start minute

**Description:** Time of the start of the data collection for Module 5 - Anthropometry, collected in a 24-hour format. This is a multiple-occurrence variable, depending on number of eligible children.

**Base:** All eligible children for nutrition (ages 0-5)

**Value set:** 0:59

**Value type:** numeric

**V500AD** Line number of child in household

**Description:** Line number, in the household roster, of the child in the household whose caregiver was interviewed for Module 5. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children for nutrition (ages 0-5)

**Value set:** 1:50

**Value type:** numeric

**AN500X** Index of child

**Description:** Serial number assigned to the eligible child for Module 5, ordered based on the order of appearance in the household roster. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children for nutrition (ages 0-5)

**Value set:** 1:15

**Value type:** numeric

**AN516** Height in centimeters

**Description:** Height of eligible child, recorded in centimeters. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children for nutrition (ages 0-5)

**Value set:**

20.0:140.0

999.4 NOT PRESENT

999.5 REFUSED

999.6 OTHER

**Value type:** numeric

**AN517** Measured lying or standing

**Description:** Whether the child was measured lying down or standing. It is recommended that children 24 months and older be measured standing and children younger than 24 months be measured lying down. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children for nutrition (ages 0-5)

**Value set:**

1 LYING DOWN

2 STANDING UP

6 NOT MEASURED

**Value type:** numeric

**AN518** Weight in kilograms

**Description:** Weight of eligible child, recorded in kilograms. This is a multiple-occurrence variable, depending on the number of eligible children.

**Base:** All eligible children for nutrition (ages 0-5)

**Value set:**

0.50:50.00

99.94 NOT PRESENT

99.95 REFUSED

99.96 OTHER

**Value type:** numeric

**V500NH** Module 5: stop hour

**Description:** Time of the stop of the data collection for Module 5 - Anthropometry, collected in a 24-hour format. This is a multiple-occurrence variable, depending on number of eligible children.

**Base:** All eligible children for nutrition (ages 0-5)

**Value set:** 0:23

**Value type:** numeric

**V500NM** Module 5: stop minute

**Description:** Time of the stop of the data collection for Module 5 - Anthropometry, collected in a 24-hour format. This is a multiple-occurrence variable, depending on number of eligible children.

**Base:** All eligible children for nutrition (ages 0-5)

**Value set:** 0:59

**Value type:** numeric

# Module 6.1 Female (MOD\_61F): Empowerment in Agriculture Module

**V6100AH** Module 6F: start hour

**Description:** Time of the start of the data collection for Module 6, collected in a 24‑hour format.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:** 0:23

**Value type:** numeric

**V6100AM** Module 6F: start minute

**Description:** Time of the start of the data collection for Module 6, collected in a 24‑hour format.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:** 0:59

**Value type:** numeric

**D6100F** Module 6F: start day

**Description:** Day of the start date for data collection for Module 6F.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M6100F** Module 6F: start month

**Description:** Month of the start date for data collection for Module 6F.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y6100F** Module 6F: start year

**Description:** Year of the start date for the data collection for Module 6F.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V6100C** Line number of respondent

**Description:** Line number, in the household roster, of the primary adult female decisionmaker of the household who was interviewed for Module 6.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:** 1:50

**Value type:** numeric

**V6100D** Consent obtained

**Description:** Whether the respondent to Module 6 has agreed to be interviewed and included in the survey. If the respondent has not agreed, the interview may not continue.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V6100E** Presence of others

**Description:** Whether there were any other non-respondents present during the interview. The interviewer selects all that apply.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

A ALONE

B ADULT FEMALE PRESENT

C ADULT MALE PRESENT

D CHILDREN PRESENT

**Value type:** string

**V6100EA** Presence of others - alone

**Description:** Whether the respondent was alone during the interview.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6100EB** Presence of others – adult females

**Description:** Whether there were any other adult females present during the interview.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6100EC** Presence of others – adult males

**Description:** Whether there were any adult males present during the interview.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6100ED** Presence of others - children

**Description:** Whether there were any children present during the interview.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6101M** Month of birth

**Description:** Month of birth of the primary adult female decisionmaker. Recorded to ensure that the correct woman (primary adult female decisionmaker) is being interviewed and if she is not eligible for Module 6.

**Question text:** In what month were you born?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

1 JANUARY

2 FEBRUARY

3 MARCH

4 APRIL

5 MAY

6 JUNE

7 JULY

8 AUGUST

9 SEPTEMBER

10 OCTOBER

11 NOVEMBER

12 DECEMBER

98 DON’T KNOW

**Value type:** numeric

**V6101Y** Year of birth

**Description:** Year of birth of the primary adult female decisionmaker. Recorded to ensure that the correct woman (primary adult female decisionmaker age 18 or older) is being interviewed and if she is not eligible for Module 6.

**Question text:** In what year were you born?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

1920:2002

9998 DON’T KNOW

**Value type:** numeric

**V6102** Age

**Description:** Age in completed years of the primary adult female decisionmaker. Recorded to ensure correct woman (primary adult female decisionmaker age 18 or older) is being interviewed, and if she is not eligible for Module 6.

**Question text:** Please tell me how old you are. What was your age at your last birthday?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

18:95

98 DON’T KNOW

**Value type:** numeric

**V6103** 18 or older

**Description:** Whether the primary adult female decisionmaker is age 18 or older. Asked of women who do not know their age.

**Question text:** Are you 18 years old or older?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V6104** Respondent eligible filter

**Description:** Check on whether the primary adult female decisionmaker is age 18 or older and eligible for the module. If the respondent is not eligible, the interviewer cannot carry out the interview and the age is changed in the household roster to remove eligibility. Automatic check in CAPI data collection.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V6105** Currently married

**Description:** Whether the primary adult female decisionmaker is currently married or living with a man as if married.

**Question text:** Are you currently married or living together with a man as if married?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES, CURRENTLY MARRIED

2 YES, LIVING WITH A MAN

3 NO, NOT IN UNION

**Value type:** numeric

**V6106** Ever been married

**Description:** If not currently married, whether the primary adult female decisionmaker has ever been married or lived with a man as if married.

**Question text:** Have you ever been married or lived together with a man as if married?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household if not married (V6105 = 3)

**Value set:**

1 YES, FORMERLY MARRIED

2 YES, LIVING WITH A MAN

3 NO

**Value type:** numeric

**V6107** Marital status

**Description:** If previously married, the current marital status of the primary adult female decisionmaker: widowed, divorced, or separated.

**Question text:** What is your marital status now: are you widowed, divorced, or separated?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household if formerly married (V6106 =1,2)

**Value set:**

1 WIDOWED

2 DIVORCED

3 SEPARATED

**Value type:** numeric

# Module 6.2 Female (MOD\_62F): Role in Household Decisionmaking Around Production and Income Generation

**V6200C** Activity code

**Description:** List of activities as options in Module 6.2. No respondent data or answers are held in this variable; it is used to fill in question text for the subsequent questions, which are repeated for each activity. While the questionnaire shows these activities as separate questions on separate rows, data is held in the question numbers that are columns and the activity is held in this variable.

**Value set:**

1 Food crop farming (these are crops that are grown primarily for household food consumption)

2 Cash crop farming (these are crops that are grown primarily for sale in the market)

3 Livestock raising

4 Non-farm economic activities (this would include things like running a small business, self-employment, buy-and-sell)

5 Wage and salary employment (this could be work that is paid for in cash or in-kind, including both agriculture and other wage work)

6 Fishing or fishpond culture

7 Major household expenditures (such as a large appliance for the house like refrigerator)

8 Minor household expenditures (such as food for daily consumption or other household needs)

**Value type:** numeric

**V6201** Participate in activity in past 12 months

**Description:** Whether the respondent participated in the listed work activities in the past 12 months.

**Question text:** Did you yourself participate in [ACTIVITY] in the past 12 months?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6202** Decisionmaker in activity

**Description:** If respondent participated in the work activity, the normal decisionmaker regarding the activity. Multiple responses are allowed.

**Question text:** When decisions are made regarding [ACTIVITY], who is it that normally takes the decision?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (V6201[ACTIVITY] = 1)

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HH MEMBER

D OTHER NON-HH MEMBER

X NOT APPLICABLE

**Value type:** string

**V6202A** Decisionmaker in activity - self

**Description:** If respondent participated in the work activity, whether the normal decisionmaker regarding the activity was the respondent.

**Question text:** When decisions are made regarding [ACTIVITY], who is it that normally takes the decision?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (V6201[ACTIVITY] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6202B** Decisionmaker in activity – partner/spouse

**Description:** If respondent participated in the work activity, whether the normal decisionmaker regarding the activity was a partner/spouse.

**Question text:** When decisions are made regarding [ACTIVITY], who is it that normally takes the decision?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (V6201[ACTIVITY] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6202C** Decisionmaker in activity – other HH member

**Description:** If respondent participated in the work activity, whether the normal decisionmaker regarding the activity was another household member.

**Question text:** When decisions are made regarding [ACTIVITY], who is it that normally takes the decision?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (V6201[ACTIVITY] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6202D** Decisionmaker in activity – other non-HH member

**Description:** If respondent participated in the work activity, whether the normal decisionmaker regarding the activity was another non-household member.

**Question text:** When decisions are made regarding [ACTIVITY], who is it that normally takes the decision?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (V6201[ACTIVITY] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6202X** Decisionmaker in activity – not applicable

**Description:** If respondent participated in the work activity, whether the normal decisionmaker regarding the activity did not apply.

**Question text:** When decisions are made regarding [ACTIVITY], who is it that normally takes the decision?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (V6201[ACTIVITY] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6202AA** Decisionmaker in activity is only self - filter

**Description:** If respondent participated in the work activity, whether the only decisionmaker for [ACTIVITY] is the respondent. Automatic check in CAPI data collection.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (V6201[ACTIVITY] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6203** Amount of input in activity

**Description:** If respondent participated in the work activity, the amount of input that she had in making decisions about the activity.

**Question text:** How much input did you have in making decisions about [ACTIVITY]?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] where others are decisionmakers as well (V6202A[ACTIVITY] = 2)

**Value set:**

1 NO INPUT OR INPUT INTO VERY FEW DECISIONS

2 INPUT INTO SOME DECISIONS

3 INPUT INTO MOST OR ALL DECISIONS

93 NO DECISION MADE

**Value type:** numeric

**V6204** Extent able to make personal decisions

**Description:** If respondent and a partner/spouse, other HH member, other non-HH member participated in the work activity, the extent to which the respondent feels she can make personal decisions regarding [ACTIVITY].

**Question text:** To what extent do you feel you can make your own personal decisions regarding [ACTIVITY] if you want(ed) to?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] where others are decisionmakers as well (V6202A[ACTIVITY] = 2)

**Value set:**

1 NOT AT ALL

2 SMALL EXTENT

3 MEDIUM EXTENT

4 TO A HIGH EXTENT

**Value type:** numeric

**V6205** Input on use of income from activity

**Description:** If respondent participated in the work activity, the amount of input that she had in making decisions about the use of income that is generated from activity. This question is not asked for major or minor household expenditures in the module (V6200C = 7,8).

**Question text:** How much input did you have in decisions on the use of income generated from [ACTIVITY]?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] where others are decisionmakers as well (V6202A[ACTIVITY] = 2)

**Value set:**

1 NO INPUT OR INPUT INTO VERY FEW DECISIONS

2 INPUT INTO SOME DECISIONS

3 INPUT INTO MOST OR ALL DECISIONS

1. NO DECISION MADE

**Value type:** numeric

# Module 6.3A Female (MOD\_63AF): Access to Items That Can Be Used to Generate Income

**V6300AC** Item code

**Description:** List of items asked about in Module 6.3A. No respondent data or answers are held in this variable; it is used to fill in question text for the subsequent questions, which are repeated for each item.

**Value set:**

1 Agricultural land (pieces/plots)

2 Large livestock (oxen, cattle)

3 Small livestock (goats, pigs, sheep)

4 Chickens, ducks, turkeys, and pigeons

5 Fish pond or fishing equipment

6 Hand tools for working on the farm such as trowel, hoe, shovel, machete/panga or other hand tools

7 Non-mechanized farm equipment such as an animal-drawn plough, a cart, wheelbarrow, etc.

8 Mechanized farm equipment such as animal-drawn plough, power tiller, treadle pump, etc.

9 Nonfarm business equipment (solar panels used for recharging, sewing machine, brewing equipment, fryers)

10 House or other structures

11 Large consumer durables (refrigerator, TV, sofa)

12 Small consumer durables (radio, cookware)

13 Cell phone

14 Other land not used for agricultural purposes (pieces/plots, residential or commercial land)

15 Means of transportation (bicycle, motorcycle, car)

**Value type:** numeric

**V6301** Household has item(s)

**Description:** Whether anyone in the household currently has the items that can be used for income generation.

**Question text:** Does anyone in your household currently have any [ITEM]?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6303** Owner of item(s)

**Description:** If anyone in the household owns the income generating item, the person in the household that owns most of the items.

**Question text:** Who would you say owns most of the [ITEM]?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has [ITEM] (V6301[ITEM] = 1)

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HH MEMBER

D OTHER NON-HH MEMBER

X NOT APPLICABLE

**Value type:** string

**V6303A** Owner of item(s) - self

**Description:** Whether the owner of the items is the respondent.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has [ITEM] (V6301[ITEM] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6303B** Owner of item(s) – partner/spouse

**Description:** Whether the owner of the items is the respondent’s partner/spouse.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has [ITEM] (V6301[ITEM] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6303C** Owner of item(s) – other HH member

**Description:** Whether the owner of the items is a member of the household other than the respondent or the respondent’s partner/spouse.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has [ITEM] (V6301[ITEM] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6303D** Owner of item(s) – other non-HH member

**Description:** Whether the owner of the items is someone who is not a member of the household.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has [ITEM] (V6301[ITEM] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6303X** Owner of item(s) – not applicable

**Description:** Whether nobody in the household considers themselves the owner of the items.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has [ITEM] (V6301[ITEM] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

# Module 6.3B Female (MOD\_63BF): Access to Credit

**V6300BC** Source code

**Description:** List of sources asked about in Module 6.3B. No respondent data or answers are held in this variable; it is used to fill in question text for the subsequent questions, which are repeated for each activity.

**Value set:**

1 Non-governmental organization (NGO)

2 Informal lender

3 Formal lender (bank/financial institution)

4 Friends or relatives

5 Group based micro-finance or lending including Village Savings and Loan Association (VSLAs)/Savings and Credit Cooperative Organization (SACCOs)

6 Informal credit/savings groups such as merry-go-rounds, tontines, funeral societies, etc.

**Value type:** numeric

**V6308** Borrowed from source in past 12 months

**Description:** Whether anyone in the household has borrowed money or in-kind in the past 12 months from each source.

**Question text:** Has anyone in your household taken any loans or borrowed cash/in-kind from [SOURCE] in the past 12 months?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES, CASH

2 YES, IN-KIND

3 YES, CASH AND IN-KIND

4 NO

8 DON’T KNOW

**Value type:** numeric

**V6309** Person who decided to borrow

**Description:** If anyone in the household has borrowed from the source, the person in the household who decided to borrow.

**Question text:** Who made the decision to borrow from [SOURCE]?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (V6308[SOURCE] = 1, 2, 3)

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HH MEMBER

D OTHER NON-HH MEMBER

X NOT APPLICABLE

**Value type:** string

**V6309A** Person who decided to borrow - self

**Description:** Whether the person in the household who decided to borrow was the respondent.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (V6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6309B** Person who decided to borrow – partner/spouse

**Description:** Whether the person in the household who decided to borrow was the respondent’s partner/spouse.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (V6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6309C** Person who decided to borrow – other HH member

**Description:** Whether the person in the household who decided to borrow was a member of the household other than the respondent or the respondent’s partner/spouse.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (V6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6309D** Person who decided to borrow – other non-HH member

**Description:** Whether the person in the household who decided to borrow was a person who is not a member of the household.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (V6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6309X** Person who decided to borrow – not applicable

**Description:** Whether there was not a person in the household who decided to borrow from [SOURCE].

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (V6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6310** Person who decides how to use loan

**Description:** If anyone in the household has borrowed from the source, the person in the household who decided how to use the loan.

**Question text:** Who makes the decision about what to do with the money/item borrowed from [SOURCE]?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (V6308[SOURCE] = 1)

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HH MEMBER

D OTHER NON-HH MEMBER

X NOT APPLICABLE

**Value type:** string

**V6310A** Person who decides how to use the loan - self

**Description:** Whether the person in the household who decides how to use the loan was the respondent.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (V6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6310B** Person who decides how to use the loan – partner/spouse

**Description:** Whether the person in the household who decides how to use the loan was the respondent’s partner/spouse.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (V6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6310C** Person who decides how to use the loan – other HH member

**Description:** Whether the person in the household who decides how to use the loan was a member of the household other than the respondent or the respondent’s partner/spouse.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (V6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6310D** Person who decides how to use the loan – other non-HH member

**Description:** Whether the person in the household who decides how to use the loan was a person who is not a member of the household.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (V6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V6310X** Person who decides how to use the loan – not applicable

**Description:** Whether there was not a person in the household who decides how to use the loan.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (V6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

# Module 6.3C Female (MOD\_63CF): Access to Credit

**V6311** Able to take loan or borrow cash/in-kind

**Description:** Ability of respondent or any member of the household to get a loan or borrow money.

**Question text:** Would you or anyone in your household be able to take a loan or borrow cash or in-kind if you wanted to?

**Base:** Primary adult female decisionmaker (if exists) age 18 and older in household

**Value set:**

1 YES

2 NO

**Value type:** numeric

# Module 6.4B Female (MOD\_64BF): Group Membership

**V6400C** Group code

**Description:** List of groups asked about in Module 6.4B. No respondent data or answers are held in this variable; it is used to fill in question text for the subsequent questions, which are repeated for each type of group.

**Value set:**

1 Agricultural/livestock/fisheries producer’s group (including marketing groups)

2 Water users’ group

3 Forest users’ group

4 Credit or microfinance group including Savings and Credit Cooperative Organization (SACCO)/merry-go-rounds/Village Savings and Loan Association (VSLA)

5 Mutual help or insurance group (including burial societies)

6 Trade and business association

7 Civic groups (people working together to improve their community) or charitable group (people working together to help people in need)

8 Local government

9 Religious group

10 Other women’s group

11 Any other formal or informal organization

**Value type:** numeric

**V6404** Group exists in community

**Description:** Whether the community has each of the possible groups.

**Question text:** Is there a [GROUP] in your community?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V6405** Active member of group

**Description:** If the community has the group, whether the respondent is an active member.

**Question text:** Are you an active member of this [GROUP]?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household that has [GROUP] in her community (V6404[GROUP] = 1)

**Value set:**

1 YES

2 NO

7 REFUSED

**Value type:** numeric

# Module 6.6A Female (MOD\_66AF): Time Allocation

**V6601H** Selected hour

**Description:** The primary activity that the respondent was doing in the past 24 hours, recorded for each 15-minute interval, from 4 am yesterday to 4 am of the morning of interview. This variable holds the hour (with the 24-hour reference period) to which each 15-minute interval activity applies.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set (of all variables in Module 6.6A):**

A SLEEPING AND RESTING

B EATING AND DRINKING

C PERSONAL CARE

D SCHOOL (INCLUDING HOMEWORK)

E WORK AS EMPLOYED

F OWN BUSINESS WORK

G FOOD CROP FARMING

H CASH CROP FARMING

I LIVESTOCK RAISING

J FISHING OR FISHPOND CULTURE

K COMMUTING (TO/FROM WORK OR SCHOOL)

L SHOPPING/GETTING SERVICE (INCLUDING HEALTH SERVICES)

M WEAVING/SEWING/TEXTILE CARE

N COOKING

O DOMESTIC WORK (INCLUDING FETCHING WATER AND COLLECTING FUEL)

P CARING FOR CHILDREN

Q CARING FOR ADULTS (SICK, ELDERLY)

R TRAVELING (NOT FOR WORK OR SCHOOL)

S WATCHING TV/LISTENING TO RADIO/READING

T EXERCISING

U SOCIAL ACTIVITIES AND HOBBIES

V RELIGIOUS ACTIVITIES

W OTHER

**Value type:** string

**V6601P\_15** Primary 15

**Description:** The primary activity that the respondent was doing in the past 24 hours, recorded for each 15-minute interval, from 4 am yesterday to 4 am of the morning of interview. This variable holds the activity in the first 15 minutes of each hour.

**Question text:** Now I’d like to ask you about how you spent your time yesterday. This will be a detailed accounting. We’ll begin from yesterday morning at 4 am, and continue through to 4 am of this morning.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value type:** string

**V6601P\_30** Primary 30

**Description:** The primary activity that the respondent was doing in the past 24 hours, recorded for each 15-minute interval, from 4 am yesterday to 4 am of the morning of interview. This variable holds the activity in the second 15 minutes of each hour.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value type:** string

**V6601P\_45** Primary 45

**Description:** The primary activity that the respondent was doing in the past 24 hours, recorded for each 15-minute interval, from 4 am yesterday to 4 am of the morning of interview. This variable holds the activity in the third 15 minutes of each hour.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value type:** string

**V6601P\_60** Primary 60

**Description:** The primary activity that the respondent was doing in the past 24 hours, recorded for each 15-minute interval, from 4 am yesterday to 4 am of the morning of interview. This variable holds the activity in the final 15 minutes of each hour.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value type:** string

# Module 6.6B Female (MOD\_66BF): Satisfaction with Time Allocation

**V6602** Amount worked past 24 hours

**Description:** Amount of time the respondent worked in or out of the home, compared with her normal schedule.

**Question text:** In the past 24 hours, did you work, either at home or outside the home, more than usual, about the same amount as usual, or less than usual?

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

1 MORE THAN USUAL

2 ABOUT THE SAME AS USUAL

3 LESS THAN USUAL

**Value type:** numeric

**V6604H** Module 6F: stop hour

**Description:** Time of the stop of the data collection for Module 6, collected in a 24‑hour format.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:** 0:23

**Value type:** numeric

**V6604M** Module 6F: stop minute

**Description:** Time of the stop of the data collection for Module 6, collected in a 24‑hour format.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:** 0:59

**Value type:** numeric

**D6604F** Module 6F: stop day

**Description:** Day of the stop date for data collection for Module 6F.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M6604F** Module 6F: stop month

**Description:** Month of the stop date for data collection for Module 6F.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y6604F** Module 6F: stop year

**Description:** Year of the stop date for the data collection for Module 6F.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V6605** Module 6F Outcome

**Description:** Result code for Module 6. Code 4 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** Primary adult female decisionmaker (if exists) age 18 or older in household

**Value set:**

01 COMPLETED

04 POSTPONED

05 REFUSED

10 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

# Module 6.1 Male (MOD\_61M): Empowerment in Agriculture Module

**M6100AH** Module 6F: start hour

**Description:** Time of the start of the data collection for Module 6, collected in a 24‑hour format.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:** 0:23

**Value type:** numeric

**M6100AM** Module 6F: start minute

**Description:** Time of the start of the data collection for Module 6, collected in a 24‑hour format.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:** 0:59

**Value type:** numeric

**D6100** Module 6M: start day

**Description:** Day of the start date for data collection for Module 6M.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M6100**  Module 6M: start month

**Description:** Month of the start date for data collection for Module 6M.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y6100**  Module 6M: start year

**Description:** Year of the start date for the data collection for Module 6M.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**M6100C** Line number of respondent

**Description:** Line number, in the household roster, of the primary adult male decisionmaker of the household who was interviewed for Module 6.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:** 1:50

**Value type:** numeric

**M6100D** Consent obtained

**Description:** Whether the respondent to Module 6 has agreed to be interviewed and included in the survey. If the respondent has not agreed, the interview may not continue.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**M6100E** Presence of others

**Description:** Whether there were any other non-respondents present during the interview. The interviewer selects all that apply.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:**

A ALONE

B ADULT FEMALE PRESENT

C ADULT MALE PRESENT

D CHILDREN PRESENT

**Value type:** string

**M6101M** Month of birth

**Description:** Month of birth of the primary adult male decisionmaker. Recorded to ensure the correct man (primary adult male decisionmaker) is being interviewed, and if he is not eligible for Module 6.

**Question text:** In what month were you born?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:**

1 JANUARY

2 FEBRUARY

3 MARCH

4 APRIL

5 MAY

6 JUNE

7 JULY

8 AUGUST

9 SEPTEMBER

10 OCTOBER

11 NOVEMBER

12 DECEMBER

98 DON’T KNOW

**Value type:** numeric

**M6101Y** Year of birth

**Description:** Year of birth of the primary adult male decisionmaker. Recorded to ensure the correct man (primary adult male decisionmaker) is being interviewed, and if he is not eligible for Module 6.

**Question text:** In what year were you born?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:**

1920:2002

9998 DON’T KNOW

**Value type:** numeric

**M6102** Age

**Description:** Age in completed years of the primary adult male decisionmaker. Recorded to ensure the correct man (primary adult male decisionmaker) is being interviewed and if he is not eligible for Module 6.

**Question text:** Please tell me how old you are. What was your age at your last birthday?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:**

15:95

98 DON’T KNOW

**Value type:** numeric

**M6103** 18 or older

**Description:** Whether the primary adult male decisionmaker is age 18 or older. Asked of men who do not know their age.

**Question text:** Are you 18 years old or older?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**M6104** Respondent eligible

**Description:** Check on whether the primary adult male decisionmaker is age 18 or older and eligible for the module. If the respondent is not eligible, the interviewer cannot carry out the interview and the age is changed in the household roster to remove eligibility.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**M6105** Currently married

**Description:** Whether the primary adult male decisionmaker is currently married or living with a woman as if married.

**Question text:** Are you currently married or living together with a woman as if married?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES, CURRENTLY MARRIED

2 YES, LIVING WITH A WOMAN

3 NO, NOT IN UNION

**Value type:** numeric

**M6106** Ever been married

**Description:** If not currently married, whether the primary adult male decisionmaker has ever been married or lived with a woman as if married.

**Question text:** Have you ever been married or lived together with a woman as if married?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household if not married (M6105 = 3)

**Value set:**

1 YES, FORMERLY MARRIED

2 YES, LIVING WITH A WOMAN

3 NO

**Value type:** numeric

**M6107** Marital status

**Description:** If previously married, the current marital status of the primary adult male decisionmaker: widowed, divorced, or separated.

**Question text:** What is your marital status now: are you widowed, divorced, or separated?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household if formerly married (M6106 in 1,2)

**Value set:**

1 WIDOWED

2 DIVORCED

3 SEPARATED

**Value type:** numeric

# Module 6.2 Male (MOD\_62M): Role in Household Decisionmaking Around Production and Income Generation

**M6200C** Activity code

**Description:** List of activities asked about in Module 6.2. No respondent data or answers are held in this variable; it is used to fill in question text for the subsequent questions, which are repeated for each activity. While the questionnaire shows these activities as separate questions on separate rows, data is held in the question numbers that are columns and the activity is held in this variable.

**Value set:**

1 Food crop farming (these are crops that are grown primarily for household food consumption)

2 Cash crop farming (these are crops that are grown primarily for sale in the market)

3 Livestock raising

4 Non-farm economic activities (this would include things like running a small business, self-employment, buy-and-sell)

5 Wage and salary employment (this could be work that is paid for in cash or in-kind, including both agriculture and other wage work)

6 Fishing or fishpond culture

7 Major household expenditures (such as a large appliance for the house like refrigerator)

8 Minor household expenditures (such as food for daily consumption or other household needs)

**Value type:** numeric

**M6201** Participate in activity in past 12 months

**Description:** Whether the respondent participated in the listed work activities in the past 12 months.

**Question text:** Did you yourself participate in [ACTIVITY] in the past 12 months?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6202** Decisionmaker in activity

**Description:** If respondent participated in the work activity, the normal decisionmaker regarding the activity.

**Question text:** When decisions are made regarding [ACTIVITY], who is it that normally takes the decision?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (M6201[ACTIVITY] = 1)

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HH MEMBER

D OTHER NON-HH MEMBER

X NOT APPLICABLE

**Value type:** string

**M6202A** Decisionmaker in activity - self

**Description:** If respondent participated in the work activity, whether the normal decisionmaker regarding the activity was the respondent.

**Question text:** When decisions are made regarding [ACTIVITY], who is it that normally takes the decision?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (M6201[ACTIVITY] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6202B** Decisionmaker in activity – partner/spouse

**Description:** If respondent participated in the work activity, whether the normal decisionmaker regarding the activity was a partner/spouse.

**Question text:** When decisions are made regarding [ACTIVITY], who is it that normally takes the decision?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (M6201[ACTIVITY] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6202C** Decisionmaker in activity – other HH member

**Description:** If respondent participated in the work activity, the normal decisionmaker regarding the activity was another HH member.

**Question text:** When decisions are made regarding [ACTIVITY], who is it that normally takes the decision?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (M6201[ACTIVITY] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6202D** Decisionmaker in activity – other non-HH member

**Description:** If respondent participated in the work activity, whether the normal decisionmaker regarding the activity as another non-HH member.

**Question text:** When decisions are made regarding [ACTIVITY], who is it that normally takes the decision?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (M6201[ACTIVITY] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6202X** Decisionmaker in activity – not applicable

**Description:** If respondent participated in the work activity, whether the normal decisionmaker regarding the activity doesn’t apply.

**Question text:** When decisions are made regarding [ACTIVITY], who is it that normally makes the decision?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (M6201[ACTIVITY] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6202AA** Decisionmaker in activity is only self - filter

**Description:** If respondent participated in the work activity, whether the only decisionmaker for [ACTIVITY] if the respondent. Automatic check in CAPI data collection.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (M6201[ACTIVITY] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6203** Amount of input in activity

**Description:** If respondent participated in the work activity, the amount of input that he had in making decisions about the activity.

**Question text:** How much input did you have in making decisions about [ACTIVITY]?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (M6201[ACTIVITY] = 1)

**Value set:**

1 NO INPUT OR INPUT INTO VERY FEW DECISIONS

2 INPUT INTO SOME DECISIONS

3 INPUT INTO MOST OR ALL DECISIONS

93 NO DECISION MADE

**Value type:** numeric

**V6204** Extent able to make personal decisions

**Description:** If respondent and a partner/spouse, other HH member, other non-HH member participated in the work activity, the extent to which the respondent feels he can make personal decisions regarding [ACTIVITY].

**Question text:** To what extent do you feel you can make your own personal decisions regarding [ACTIVITY] if you want(ed) to?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (M6201[ACTIVITY] = 1)

**Value set:**

1 NOT AT ALL

2 SMALL EXTENT

3 MEDIUM EXTENT

4 TO A HIGH EXTENT

**Value type:** numeric

**M6205** Input on use of income from activity

**Description:** If respondent participated in the work activity, the amount of input that he had in making decisions about the income that is generated from activity.

**Question text:** How much input did you have in decisions on the use of income generated from [ACTIVITY]?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household who participated in [ACTIVITY] (M6201[ACTIVITY] = 1)

**Value set:**

1 NO INPUT OR INPUT INTO VERY FEW DECISIONS

2 INPUT INTO SOME DECISIONS

3 INPUT INTO MOST OR ALL DECISIONS

93 NO DECISION MADE

**Value type:** numeric

# Module 6.3A Male (MOD\_63AM): Access to Items That Can Be Used to Generate Income

**M6300AC** Item code

**Description:** List of items asked about in Module 6.3A. No respondent data or answers are held in this variable; it is used to fill in question text for the subsequent questions, which are repeated for each item.

**Value set:**

1 Agricultural land (pieces/plots)

2 Large livestock (oxen, cattle)

3 Small livestock (goats, pigs, sheep)

4 Chickens, ducks, turkeys, and pigeons

5 Fish pond or fishing equipment

6 Hand tools for working on the farm such as trowel, hoe, shovel, machete/panga or other hand tools

7 Non-mechanized farm equipment such as an animal-drawn plough, a cart, wheelbarrow, etc.

8 Mechanized farm equipment such as animal-drawn plough, power tiller, treadle pump, etc.

9 Nonfarm business equipment (solar panels used for recharging, sewing machine, brewing equipment, fryers)

10 House or other structures

11 Large consumer durables (refrigerator, TV, sofa)

12 Small consumer durables (radio, cookware)

13 Cell phone

14 Other land not used for agricultural purposes (pieces/plots, residential or commercial land)

15 Means of transportation (bicycle, motorcycle, car)

**Value type:** numeric

**M6301** Household has item(s)

**Description:** Whether anyone in the household currently has the items that can be used for income generation.

**Question text:** Does anyone in your household currently have any [ITEM]?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6303** Owner of item(s)

**Description:** If anyone in the household owns the income generating item, the person in the household who owns most of the items.

**Question text:** Who would you say owns most of the [ITEM]?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has [ITEM] (M6301[ITEM] = 1)

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HH MEMBER

D OTHER NON-HH MEMBER

X NOT APPLICABLE

**Value type:** string

**M6303A** Owner of item(s) - self

**Description:** Whether the owner of the items is the respondent.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has [ITEM] (M6301[ITEM] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6303B** Owner of item(s) – partner/spouse

**Description:** Whether the owner of the items is the respondent’s partner or spouse.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has [ITEM] (M6301[ITEM] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6303C** Owner of item(s) – other HH member

**Description:** Whether the owner of the items is a member of the household other than the respondent or the respondent’s partner or spouse.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has [ITEM] (M6301[ITEM] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6303D** Owner of item(s) – other non-HH member

**Description:** Whether the owner of the items is not a member of the household.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has [ITEM] (M6301[ITEM] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6303X** Owner of item(s) – not applicable

**Description:** Whether nobody in the household considers themselves the owner of the items.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has [ITEM] (M6301[ITEM] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

# Module 6.3B MalE (MOD\_63BM): Access to Credit

**M6300BC** Source code

**Description:** List of sources asked about in Module 6.3B. No respondent data or answers are held in this variable; it is used to fill in question text for the subsequent questions, which are repeated for each activity.

**Value set:**

1 Non-governmental organization (NGO)

2 Informal lender

3 Formal lender (bank/financial institution)

4 Friends or relatives

5 Group based micro-finance or lending including Village Savings and Loan Association (VSLAs)/Savings and credit Cooperative Organization (SACCOs)/merry-go-rounds

6 Informal credit/savings groups such as merry-go-rounds, tontines, funeral societies, etc.

**Value type:** numeric

**M6308** Borrowed from source in past 12 months

**Description:** Whether anyone in the household has borrowed money or in-kind in the past 12 months from each source.

**Question text:** Has anyone in your household taken any loans or borrowed cash/in‑kind from [SOURCE] in the past 12 months?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES, CASH

2 YES, IN-KIND

3 YES, CASH AND IN-KIND

4 NO

8 DON’T KNOW

**Value type:** numeric

**M6309** Person who decided to borrow

**Description:** If anyone in the household has borrowed from the source, the person in the household who decided to borrow.

**Question text:** Who made the decision to borrow from [SOURCE]?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (M6308[SOURCE] = 1, 2, 3)

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HH MEMBER

D OTHER NON-HH MEMBER

X NOT APPLICABLE

**Value type:** string

**M6309A** Person who decided to borrow - self

**Description:** Whether the person in the household who decided to borrow was the respondent.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (M6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6309B** Person who decided to borrow – partner/spouse

**Description:** Whether the person in the household who decided to borrow was the respondent’s partner or spouse.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (M6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6309C** Person who decided to borrow – other HH member

**Description:** Whether the person in the household who decided to borrow was a member of the household other than the respondent or the respondent’s partner or spouse.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (M6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6309D** Person who decided to borrow – other non-HH member

**Description:** Whether the person in the household who decided to borrow not a member of the household.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (M6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6309X** Person who decided to borrow – not applicable

**Description:** Whether there was not a person in the household who decided to borrow from [SOURCE].

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (M6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6310** Person who decides how to use loan

**Description:** If anyone in the household has borrowed from the source, the person in the household who decided how to use the loan.

**Question text:** Who makes the decision about what to do with the money/item borrowed from [SOURCE]?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (M6308[SOURCE] = 1)

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HH MEMBER

D OTHER NON-HH MEMBER

X NOT APPLICABLE

**Value type:** string

**M6310A** Person who decides how to use the loan - self

**Description:** Whether the person in the household who decides how to use the loan was the respondent.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (M6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6310B** Person who decides how to use the loan – partner/spouse

**Description:** Whether the person in the household who decides how to use the loan was the respondent’s partner or spouse.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (M6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6310C** Person who decides how to use the loan – other HH member

**Description:** Whether the person in the household who decides how to use the loan was a member of the household other than the respondent or the respondent’s partner or spouse.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (M6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6310D** Person who decides how to use the loan – other non-HH member

**Description:** Whether the person in the household who decides how to use the loan was not a member of the household.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (M6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**M6310X** Person who decides how to use the loan – not applicable

**Description:** Whether there was not a person in the household who decides how to use the loan.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has borrowed from [SOURCE] (M6308[SOURCE] = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

# Module 6.3C Male (MOD\_63CM): Access to Credit

**M6311** Able to take loan or borrow cash/in-kind

**Description:** Ability of respondent or any member of the household to get a loan or borrow money.

**Question text:** Would you or anyone in your household be able to take a loan or borrow cash or in-kind if you wanted to?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

**Value type:** numeric

# Module 6.4B Male (MOD\_64BM): Group Membership

**M6400C** Group code

**Description:** List of groups asked about in Module 6.4B. No respondent data or answers are held in this variable; it is used to fill in question text for the subsequent questions, which are repeated for each type of group.

**Value set:**

1 Agricultural/livestock/fisheries producer’s group (including marketing groups)

2 Water users’ group

3 Forest users’ group

4 Credit or microfinance group including Savings and Credit Cooperative Organization (SACCOs)/merry-go-rounds/ Village Savings and Loan Association (VSLAs)

5 Mutual help or insurance group (including burial societies)

6 Trade and business association

7 Civic groups (improving community) or charitable group (helping others)

8 Local government

9 Religious group

11 Any other formal or informal organization

**Value type:** numeric

**M6404** Group exists in community

**Description:** Whether the community has each of the groups.

**Question text:** Is there a [GROUP] in your community?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**M6405** Active member of group

**Description:** If the community has the group, whether the respondent is an active member.

**Question text:** Are you an active member of this [GROUP]?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household that has [GROUP] in his community (M6404[GROUP] = 1)

**Value set:**

1 YES

2 NO

7 REFUSED

**Value type:** numeric

# Module 6.6A Male (MOD\_66AM): Time Allocation

**M6601H** Selected hour

**Description:** The primary activity that the respondent was doing in the past 24 hours, recorded for each 15-minute interval, from 4 am yesterday to 4 am of the morning of interview. This variable holds the hour to which each 15-minute interval activity applies.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set (of all variables in Module 6.6A):**

A SLEEPING AND RESTING

B EATING AND DRINKING

C PERSONAL CARE

D SCHOOL (INCLUDING HOMEWORK)

E WORK AS EMPLOYED

F OWN BUSINESS WORK

G FOOD CROP FARMING

H CASH CROP FARMING

I LIVESTOCK RAISING

J FISHING OR FISHPOND CULTURE

K COMMUTING (TO/FROM WORK OR SCHOOL)

L SHOPPING/GETTING SERVICE (INCLUDING HEALTH SERVICES)

M WEAVING/SEWING/TEXTILE CARE

N COOKING

O DOMESTIC WORK (INCLUDING FETCHING WATER AND COLLECTING FUEL)

P CARING FOR CHILDREN

Q CARING FOR ADULTS (SICK, ELDERLY)

R TRAVELING (NOT FOR WORK OR SCHOOL)

S WATCHING TV/LISTENING TO RADIO/READING

T EXERCISING

U SOCIAL ACTIVITIES AND HOBBIES

V RELIGIOUS ACTIVITIES

W OTHER

**Value type:** string

**M6601P\_15** Primary 15

**Description:** The primary activity that the respondent was doing in the past 24 hours, recorded for each 15-minute interval, from 4 am yesterday to 4 am of the morning of interview. This variable holds the activity in the first 15 minutes of each hour.

**Question text:** Now I’d like to ask you about how you spent your time yesterday. This will be a detailed accounting. We’ll begin from yesterday morning at 4 am, and continue through to 4 am of this morning.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value type:** string

**M6601P\_30** Primary 30

**Description:** The primary activity that the respondent was doing in the past 24 hours, recorded for each 15-minute interval, from 4 am yesterday to 4 am of the morning of interview. This variable holds the activity in the second 15 minutes of each hour.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value type:** string

**M6601P\_45** Primary 45

**Description:** The primary activity that the respondent was doing in the past 24 hours, recorded for each 15-minute interval, from 4 am yesterday to 4 am of the morning of interview. This variable holds the activity in the third 15 minutes of each hour.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value type:** string

**M6601P\_60** Primary 60

**Description:** The primary activity that the respondent was doing in the past 24 hours, recorded for each 15-minute interval, from 4 am yesterday to 4 am of the morning of interview. This variable holds the activity in the final 15 minutes of each hour.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value type:** string

# Module 6.6B Male (MOD\_66BM): Satisfaction with Time Allocation

**M6602** Amount worked past 24 hours

**Description:** Amount of time the respondent worked (in or out of the home), compared with normal schedule.

**Question text:** In the past 24 hours, did you work, either at home or outside the home, more than usual, about the same amount as usual, or less than usual?

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:**

1 MORE THAN USUAL

2 ABOUT THE SAME AS USUAL

3 LESS THAN USUAL

**Value type:** numeric

**M6604H** Module 6M: stop hour

**Description:** Time of the stop of the data collection for Module 6M, collected in a 24‑hour format.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:** 0:23

**Value type:** numeric

**M6604M** Module 6M: stop minute

**Description:** Time of the stop of the data collection for Module 6M, collected in a 24‑hour format.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:** 0:59

**Value type:** numeric

**D6604** Module 6M: stop day

**Description:** Day of the stop date for data collection for Module 6M.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M6604** Module 6M: stop month

**Description:** Month of the stop date for data collection for Module 6M.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y6604** Module 6M: stop year

**Description:** Year of the stop date for the data collection for Module 6M.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**M6605** Module 6F Outcome

**Description:** Result code for Module 6M. Code 4 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** Primary adult male decisionmaker (if exists) age 18 or older in household

**Value set:**

1 COMPLETED

4 POSTPONED

5 REFUSED

10 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED3

96 OTHER

**Value type:** numeric

# Module 7.1 (MOD\_71): Agricultural Technologies - Maize

**V7100H** Module 7.1: start hour

**Description:** Time of the start of the data collection for Module 7.1, collected in a 24‑hour format.

**Base:** All households that cultivated maize in the past year

**Value set:** 0:23

**Value type:** numeric

**V7100M** Module 7.1: start minute

**Description:** Time of the start of the data collection for Module 7.1, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated maize in the past year

**Value set:** 0:59

**Value type:** numeric

**D7100** Module 7.1: start day

**Description:** Day of the start date for data collection for Module 7.1.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M7100**  Module 7.1: start month

**Description:** Month of the start date for data collection for Module 7.1.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y7100**  Module 7.1: start year

**Description:** Year of the start date for the data collection for Module 7.1.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V7100C** Line number of respondent Module 7.1

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 7.1.

**Base:** All responsible farmers that cultivated maize in the past year

**Value set:** 1:50

**Value type:** numeric

**V7100D** Consent obtained

**Description:** Whether the respondent to Module 7.1 has agreed to be interviewed and included in the survey. If the respondent has not agreed, the interview may not continue.

**Question text:** Does [NAME] agree to participate in the survey?

**Base:** All responsible farmers that cultivated maize in the past year

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7100E** Plots responsible for

**Description:** Which plots in the household that the respondent is mainly responsible for maize – determined from the farmer’s plot map. Automatically filled in CAPI.

**Base:** All responsible farmers that cultivated maize in the past year

**Value set:**

A PLOT 1

B PLOT 2

C PLOT 3

D PLOT 4

E PLOT 5

F PLOT 6

G PLOT 7

H PLOT 8

**Value type:** string

**V7101** Type of land preparation for maize

**Description:** Type of land preparation that was used for cultivating maize in the past year. Multiple responses are allowed.

**Question text:** What kind of land preparation did you use for the maize you planted in the past year?

**Base:** All responsible farmers that cultivated maize

**Value set:**

A NONE

B ZERO TILLAGE

C PLOUGHING

X OTHER

**Value type:** string

**V7101A** Type of land preparation for maize - none

**Description:** Whether no land preparation was used for cultivating maize in the past year.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7101B** Type of land preparation for maize – zero tillage

**Description:** Whether zero tillage land preparation was used for cultivating maize in the past year.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7101C** Type of land preparation for maize - ploughing

**Description:** Whether ploughing land preparation was used for cultivating maize in the past year.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7101X** Type of land preparation for maize - other

**Description:** Whether some other land preparation was used for cultivating maize in the past year.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7102** Zero tillage used for maize

**Description:** Whether the response to V7101 included the zero tillage method. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated maize using any land preparation (V7101 in B,C,Z)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7103** Type of zero tillage used for maize

**Description:** Method of zero tillage that was used for cultivating maize. Multiple responses are allowed.

**Question text:** What kind of zero tillage system did you use on the land where you planted maize?

**Base:** All responsible farmers that cultivated maize using zero tillage   
(B in V7101)

**Value set:**

A SLASH AND PLANT

B BURN AND PLANT

C HERBICIDE AND PLANT

X OTHER

**Value type:** string

**V7103A** Type of zero tillage used for maize – slash and plant

**Description:** Whether the slash and plant method of zero tillage was used for cultivating maize.

**Base:** All responsible farmers that cultivated maize using zero tillage   
(B in V7101)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7103B** Type of zero tillage used for maize – burn and plant

**Description:** Whether the burn and plant method of zero tillage was used for cultivating maize.

**Base:** All responsible farmers that cultivated maize using zero tillage   
(B in V7101)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7103C** Type of zero tillage used for maize – herbicide and plant

**Description:** Whether the herbicide and plant method of zero tillage was used for cultivating maize.

**Base:** All responsible farmers that cultivated maize using zero tillage   
(B in V7101)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7103X** Type of zero tillage used for maize - other

**Description:** Whether some other method of zero tillage was used for cultivating maize.

**Base:** All responsible farmers that cultivated maize using zero tillage   
(B in V7101)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7104** Ploughing methods used for maize

**Description:** Whether the response to V7101 included the ploughing method. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated maize that used land preparation (V7101 in B,C,Z)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7105** Method used for ploughing for maize

**Description:** Method of ploughing that was used for cultivating maize. Multiple responses are allowed.

**Question text:** What did you use for ploughing the land where you planted maize?

**Base:** All responsible farmers that cultivated maize using ploughing (C in V7101)

**Value set:**

A HAND TILLAGE (HOE)

B ANIMAL TRACTION

C TRACTOR

X OTHER

**Value type:** string

**V7105A** Method used for ploughing for maize – hand tillage (hoe)

**Description:** Whether the hand tillage (hoe) method of ploughing was used for cultivating maize.

**Base:** All responsible farmers that cultivated maize using ploughing (C in V7101)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7105B** Method used for ploughing for maize – animal traction

**Description:** Whether animal traction ploughing was used for cultivating maize.

**Base:** All responsible farmers that cultivated maize using ploughing (C in V7101)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7105C** Method used for ploughing for maize – tractor

**Description:** Whether tractor ploughing was used for cultivating maize.

**Base:** All responsible farmers that cultivated maize using ploughing (C in V7101)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7105X** Method used for ploughing for maize - other

**Description:** Whether some other method of ploughing was used for cultivating maize.

**Base:** All responsible farmers that cultivated maize using ploughing (C in V7101)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7106** Main source of maize seed

**Description:** Main source of seed used in cultivation of maize.

**Question text:** What was your main source of maize seed?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 OWN SAVED SEED, SEED FROM FRIEND/RELATIVE (NOT PURCHASED)

2 BOUGHT FROM FRIEND/RELATIVE

3 BOUGHT IN MARKET

4 BOUGHT FROM AG DEALER WITH CASH

5 BOUGHT FROM AG DEALER WITH VOUCHER

6 AID DISTRIBUTION

96 OTHER

**Value type:** numeric

**V7107** Type of maize seed planted

**Description:** Type of maize seed that was planted in the past year. Multiple responses are allowed.

**Question text:** What type of maize seed did you plant in the past year?

**Base:** All responsible farmers that cultivated maize

**Value set:**

A UNIMPROVED/LOCAL OPEN POLLINATED

B IMPROVED OPEN POLLINATED VARIETIES

C HYBRID

Y DON’T KNOW

**Value type:** string

**V7107A1** Type of maize seed planted – unimproved/local open pollinated

**Description:** Whether the type of maize seed that was planted in the past year was unimproved/local open pollinated.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7107B1** Type of maize seed planted – improved open pollinated varieties

**Description:** Whether the type of maize seed that was planted in the past year was improved open pollinated variety.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7107C1** Type of maize seed planted – hybrid

**Description:** Whether the type of maize seed that was planted in the past year was a hybrid.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7107Y1** Type of maize seed planted – don’t know

**Description:** Whether the type of maize seed that was planted in the past year was not known.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7107A** Maize seed traditional/local or modern/improved

**Description:** For respondents that planted more than one type of seed, the mix of the seed between traditional/local and modern/improved.

**Question text:** Would you say that most of the maize seed you planted was traditional, local seed, or was it modern, improved seed?

**Base:** All responsible farmers that cultivated maize using more than one type of seed

**Value set:**

1 MOSTLY TRADITIONAL/LOCAL SEED

2 MOSTLY MODERN/IMPROVED SEED

3 HALF TRADITIONAL/HALF IMPROVED

8 DON’T KNOW

**Value type:** numeric

**V7107B** Decisionmaker for kind of maize seed planted

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant. Multiple responses are allowed.

**Question text:** When decisions are made regarding what kind of maize seed to plant, who is it that normally makes the decision?

**Base:** All responsible farmers that cultivated maize

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7107BA** Decisionmaker for kind of maize seed planted - self

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is the respondent.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7107BB** Decisionmaker for kind of maize seed planted – partner/spouse

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is the partner/spouse of the respondent.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7107BC** Decisionmaker for kind of maize seed planted – other HH member

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is another household member.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7107BD** Decisionmaker for kind of maize seed planted – other non-HH member

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is another non-household member.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7108** Maize used food and/or market

**Description:** Whether the maize cultivated in the past year was for household food, sale in markets, or both.

**Question text:** Did you grow your maize crop to provide food for the household? To be sold or traded in the market? Both for food and for the market?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 GROWN FOR FOOD ONLY

2 GROWN FOR MARKET ONLY

3 GROWN FOR BOTH FOOD & MARKET

6 OTHER

**Value type:** numeric

**V7109** Planting method for maize

**Description:** Method that was used for planting maize.

**Question text:** Some farmers plant maize seeds in rows and some randomly broadcast their maize seeds. How did you plant your maize seeds?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 IN ROWS

2 RANDOMLY BROADCAST

3 SOME IN ROWS AND SOME RANDOMLY BROADCAST

**Value type:** numeric

**V7109A** Planting method for maize - crop mixing

**Description:** Whether the maize was planted in rows in the past year.

**Question text:** Some farmers plant maize seeds alone and some plant their maize seeds along with other crops growing in the same plot. How did you plant your maize seeds?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 ALONE

2 WITH OTHER CROPS

3 SOME ALONE AND SOME WITH OTHER CROPS

**Value type:** numeric

**V7109B** Crops planted together with maize

**Description:** List of other crops planted along with maize.

**Question text:** What other crops did you plant in the same plot with the maize?

**Base:** All responsible farmers that cultivated maize with other crops in the same plot

**Value set:**

X Enter first crop planted

Y Enter second crop planted

Z Enter third crop planted

**Value type:** string

**V7110** Rotate maize with another crop

**Description:** Whether the maize planted in the crop area was rotated with any other crop in the previous season.

**Question text:** Over the past two planting seasons, did you rotate maize with another crop planted in the same plot area?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO, PLANTED MAIZE CONTINUOUSLY

3 NO, LEFT PLOT FALLOW

8 DON’T KNOW

**Value type:** numeric

**V71010A** Crops planted previous season

**Description:** List of other crops planted in plot previous season.

**Question text:** What was cultivated in the plot in the season before you planted the maize?

**Base:** All responsible farmers that cultivated maize and rotated it the previous season (V7110 = 1)

**Value set:**

X Enter first crop planted

Y Enter second crop planted

Z Enter third crop planted

**Value type:** string

**V7111** Applied fertilizer to maize

**Description:** Whether the maize was cultivated using any type of fertilizer.

**Question text:** Did you apply fertilizer to the maize in the past year?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7111A** Time applied fertilizer to maize

**Description:** Time in planting cycle when fertilizer was applied to maize. Multiple responses are allowed.

**Question text:** At which times did you apply fertilizer to the maize?

**Base:** All responsible farmers that cultivated maize using fertilizer (V7111 = 1)

**Value set:**

A PLANTING

B EARLY GROWTH STAGE

C MID-CROP

X OTHER

**Value type:** string

**V7111AA** Time applied fertilizer to maize - planting

**Description:** Fertilizer was applied to maize during the planting cycle.

**Base:** All responsible farmers that cultivated maize using fertilizer (V7111 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7111AB** Time applied fertilizer to maize – early growth stage

**Description:** Fertilizer was applied to maize during the early growth stage.

**Base:** All responsible farmers that cultivated maize using fertilizer (V7111 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7111AC** Time applied fertilizer to maize – mid-crop

**Description:** Fertilizer was applied to maize during the mid-crop stage.

**Base:** All responsible farmers that cultivated maize using fertilizer (V7111 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7111AX** Time applied fertilizer to maize - other

**Description:** Fertilizer was applied to maize at another point during the cycle.

**Base:** All responsible farmers that cultivated maize using fertilizer (V7111 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7111B** Type of fertilizer used on maize

**Description:** Type of fertilizer that was used to cultivate maize. Multiple responses are allowed.

**Question text:** What type of fertilizer did you use?

**Base:** All responsible farmers that cultivated maize using fertilizer (V7111 = 1)

**Value set:**

A SOIL BASED ORGANIC

B SOIL BASED INORGANIC

C FOLIAR FEEDS ORGANIC

D FOLIAR FEEDS INORGANIC

X OTHER

**Value type:** string

**V7111BA** Type of fertilizer used on maize – soil based organic

**Description:** Whether soil based organic fertilizer was used to cultivate maize.

**Base:** All responsible farmers that cultivated maize using fertilizer (V7111 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7111BB** Type of fertilizer used on maize – soil based inorganic

**Description:** Whether soil based inorganic fertilizer was used to cultivate maize.

**Base:** All responsible farmers that cultivated maize using fertilizer (V7111 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7111BC** Type of fertilizer used on maize – foliar feeds organic

**Description:** Whether foliar feeds organic fertilizer was used to cultivate maize.

**Base:** All responsible farmers that cultivated maize using fertilizer (V7111 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7111BD** Type of fertilizer used on maize – foliar feeds inorganic

**Description:** Whether foliar feeds inorganic fertilizer was used to cultivate maize.

**Base:** All responsible farmers that cultivated maize using fertilizer (V7111 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7111BX** Type of fertilizer used on maize – other

**Description:** Whether another fertilizer was used to cultivate maize.

**Base:** All responsible farmers that cultivated maize using fertilizer (V7111 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7111C** Name of fertilizer used on maize

**Description:** Brand of fertilizer that was used to cultivate maize in the past year.

**Question text:** What is the name of the fertilizer you mainly used for your maize in the past year?

**Base:** All responsible farmers that cultivated maize using fertilizer (V7111 = 1)

**Value set:**

1 FERTILIZER 1

2 FERTILIZER 2

3 FERTILIZER 3

96 OTHER

98 DON’T KNOW

**Value type:** numeric

**V7111D1** Nitrogen component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate maize in the past year.

**Question text:** What was the ratio of nitrogen, phosphate, and potassium in the fertilizer you mainly used for your maize in the past year?

**Base:** All responsible farmers that cultivated maize using fertilizer (V7111 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7111D2** Phosphate component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate maize in the past year.

**Base:** All responsible farmers that cultivated maize using fertilizer (V7111 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7111D3** Potassium component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate maize in the past year.

**Base:** All responsible farmers that cultivated maize using fertilizer (V7111 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7112A** Applied animal manure to maize

**Description:** Whether the respondent applied animal manure to maize.

**Question text:** Did you apply animal manure to your maize fields in the past year?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7112B** Method for applying animal manure to maize

**Description:** For fields where animal manure was applied to the maize, the method used to apply the manure.

**Question text:** How was animal manure applied to your maize fields?

**Base:** All responsible farmers that cultivated maize using animal manure (V7112A = 1)

**Value set:**

1 ANIMALS GRAZE AND LEAVE DUNG ON FIELD

2 MANURE APPLIED TO FIELD BY HAND

3 MANURE APPLIED TO FIELD WITH MACHINE

6 OTHER

**Value type:** numeric

**V7112C** Source of animal manure for maize

**Description:** For fields where animal manure was applied to the maize, the source of the animal manure.

**Question text:** Where did you get the manure you applied to your maize fields?

**Base:** All responsible farmers that cultivated maize using fertilizer (V7112A = 1)

**Value set:**

1 PRODUCED BY OWN ANIMALS

2 GIVEN BY FAMILY/FRIEND/NEIGHBOR FARM

3 PURCHASED FROM MARKET/TRADER

**Value type:** numeric

**V7112D** Decisionmaker for using fertilizer on maize

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s maize.

**Question text:** When decisions are made regarding whether to use fertilizer for your maize, who is it that normally makes the decision?

**Base:** All responsible farmers that cultivated maize

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7112DA** Decisionmaker for using fertilizer on maize - self

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s maize was the respondent.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7112DB** Decisionmaker for using fertilizer on maize – partner/spouse

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s maize was the respondent’s partner/spouse.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7112DC** Decisionmaker for using fertilizer on maize – other household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s maize was another household member.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7112DD** Decisionmaker for using fertilizer on maize – other non-household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s maize was another non-household member.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7113** Trained on using inorganic fertilizer for maize

**Description:** Whether the household was trained on how to use inorganic fertilizers for cultivating maize.

**Question text:** Inorganic fertilizer is a man-made fertilizer that you can buy in a bag at the shop. Have you been trained on how to use inorganic fertilizer for maize?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7114** Insect, rodent, disease attacks on maize in past year

**Description:** Whether there were any attacks on the maize in the past year from any insects, rodents, or diseases.

**Question text:** Did you have any insect, rodent, or disease attacks on your maize in the past year?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7114A** Armyworm attack on maize in past year

**Description:** Whether there were any attacks on the maize in the past year from armyworm.

**Question text:** Did fall armyworm attack your maize in the past year?

**Base:** All responsible farmers that cultivated maize that was attacked by any insects, rodents, or other disease (V7114A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7115** Used chemicals to control attacks on maize

**Description:** Whether there were any chemicals used for maize cultivation to control the effects of insects, rodents, or disease attacks.

**Question text:** Did you use chemicals to control insect, rodent, or disease attacks on the maize?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7116** Chemical use preventive or reactive

**Description:** Whether the use of chemicals in cultivating the maize crops was preventive, or whether it was in response to an insect, rodent, or disease attack.

**Question text:** Was the use of chemicals preventive, or was it in response to an insect, rodent, or disease attack?

**Base:** All responsible farmers that cultivated maize using chemicals (V7115 = 1)

**Value set:**

1 PREVENTIVE/ROUTINE

2 RESPONSE TO ATTACK

**Value type:** numeric

**V7117** Trained to apply pesticides for maize

**Description:** Whether the household has been trained on using pesticides for cultivating maize.

**Question text:** Have you been trained on when to use and how to apply pesticides for maize?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7118** Number of times controlled weeds in maize

**Description:** Number of times the household had to control weeds in its maize crops in the past year. If the household did not control any weeds, the interviewer uses code 00.

**Question text:** How many times did you control weeds among your maize crops in the past year?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1:20

00 NONE

**Value type:** numeric

**V7119** Method of controlling weeds in maize

**Description:** Methods used by household for controlling weeds among maize crops. Multiple responses are allowed.

**Question text:** How did you control the weeds among your maize crops?

**Base:** All responsible farmers that cultivated maize and controlled weeds (V7118 > 0)

**Value set:**

A HOE

B HERBICIDE

C MULCHING

D INTERCROPPING

E SLASHING

F PULL BY HAND

**Value type:** string

**V7119A** Method of controlling weeds in maize - hoe

**Description:** Whether a hoe was used by household for controlling weeds among maize crops.

**Base:** All responsible farmers that cultivated maize and controlled weeds (V7118 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7119B** Method of controlling weeds in maize - herbicide

**Description:** Whether herbicide was used by household for controlling weeds among maize crops.

**Base:** All responsible farmers that cultivated maize and controlled weeds (V7118 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7119C** Method of controlling weeds in maize - mulching

**Description:** Whether mulching was used by household for controlling weeds among maize crops.

**Base:** All responsible farmers that cultivated maize and controlled weeds (V7118 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7119D** Method of controlling weeds in maize - intercropping

**Description:** Whether intercropping was used by household for controlling weeds among maize crops.

**Base:** All responsible farmers that cultivated maize and controlled weeds (V7118 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7119E** Method of controlling weeds in maize - slashing

**Description:** Whether slashing was used by household for controlling weeds among maize crops.

**Base:** All responsible farmers that cultivated maize and controlled weeds (V7118 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7119F** Method of controlling weeds in maize – pull by hand

**Description:** Whether the household controlled weeds by pulling by hand among maize crops.

**Base:** All responsible farmers that cultivated maize and controlled weeds (V7118 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7120** Trained on using herbicides for maize

**Description:** Whether the household has been trained on using herbicides for maize crops.

**Question text:** Have you been trained on when to use and how to apply herbicides for maize?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7121A** In the past year, managed soil and water for maize using terracing

**Description:** Whether the household used terracing for managing the soil and water for cultivating the maize.

**Question text:** In the past year, did you use any of the following techniques to manage soil and water for your maize crop? Terracing?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7121B** In the past year, managed soil and water for maize using mulching

**Description:** Whether the household used mulching to manage the soil and water for cultivating the maize.

**Question text:** Mulching?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7121C** In the past year, managed soil and water for maize using soil bands or trenching

**Description:** Whether the household used soil bands or trenches for managing the soil and water for cultivating the maize.

**Question text:** Soil bands or trenches?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7121D** In the past year, managed soil and water for maize by adding lime to soil

**Description:** Whether the household added lime to the soil for managing the soil and water for cultivating the maize.

**Question text:** Adding lime to the soil?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7121X** In the past year, managed soil and water for maize using some other technique

**Description:** Whether the household used any other techniques for managing the soil and water for cultivating the maize. If yes, other technique is specified.

**Question text:** Some other technique?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7122** Used any irrigation methods other than rainfall

**Description:** Whether the household used any irrigation methods beyond rainfall for cultivating the maize.

**Question text:** Besides rainfall, did you use any additional irrigation methods for the maize?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7123** Type of irrigation used for maize

**Description:** For households that used irrigation, the type of irrigation used for maize cultivation. Multiple responses are allowed.

**Question text:** What type of irrigation did you use?

**Base:** All responsible farmers that cultivated maize using additional irrigation (V7122 = 1)

**Value set:**

A DRIP IRRIGATION

B GRAVITY SYSTEM

C ASPIRATION

D PUMP SYSTEM

E BY HAND (WATERING CAN, HOSE, ETC)

X OTHER

**Value type:** string

**V7123A1** Type of irrigation used for maize – drip irrigation

**Description:** For households that used irrigation, whether drip irrigation was used for maize cultivation.

**Base:** All responsible farmers that cultivated maize using additional irrigation (V7122 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7123B1** Type of irrigation used for maize – gravity system

**Description:** For households that used irrigation, whether gravity system irrigation was used for maize cultivation.

**Base:** All responsible farmers that cultivated maize using additional irrigation (V7122 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7123C1** Type of irrigation used for maize – aspiration

**Description:** For households that used irrigation, whether aspiration irrigation was used for maize cultivation.

**Base:** All responsible farmers that cultivated maize using additional irrigation (V7122 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7123D1** Type of irrigation used for maize – pump system

**Description:** For households that used irrigation, whether pump system irrigation was used for maize cultivation.

**Base:** All responsible farmers that cultivated maize using additional irrigation (V7122 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7123E1** Type of irrigation used for maize – by hand

**Description:** For households that used irrigation, whether irrigation by hand, such as watering can or hose, was used for maize cultivation.

**Base:** All responsible farmers that cultivated maize using additional irrigation (V7122 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7123X1** Type of irrigation used for maize - other

**Description:** For households that used irrigation, whether some other method of irrigation was used for maize cultivation.

**Base:** All responsible farmers that cultivated maize using additional irrigation (V7122 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7123A** Decisionmaker for irrigation of maize

**Description:** Most common decisionmaker regarding whether to irrigate the household’s maize.

**Question text:** When decisions are made regarding whether or not to irrigate the maize crop, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated maize

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7123AA** Decisionmaker for irrigation of maize - self

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s maize was the respondent.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7123AB** Decisionmaker for irrigation of maize – partner/spouse

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s maize was the respondent’s partner/spouse.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7123AC** Decisionmaker for irrigation of maize – other household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s maize was another household member.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7123AD** Decisionmaker for irrigation of maize – other non-household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s maize was another non-household member.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7124** Method for harvesting maize

**Description:** Method used for harvesting the maize crops.

**Question text:** How did you harvest the maize?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 BY HAND ONLY

2 WITH A MACHINE ONLY

3 SOME BY HAND, SOME WITH A MACHINE

4 NOT YET HARVESTED

**Value type:** numeric

**V7124A** What was done with stalks after harvesting maize

**Description:** What happened to the stalks of maize after harvesting is concluded.

**Question text:** After harvesting the maize, what was done with the maize stalks?

**Base:** All responsible farmers that cultivated maize

**Value set:**

A BURNED IN THE FIELD

B INCORPORATED BACK INTO SOIL

C USED AS BEDDING FOR OWN LIVESTOCK

D USED AS FUEL FOR FIRE

E LEFT IN FIELD FOR GRAZING BY ANIMALS

F HARVESTED AND FED TO OWN ANIMALS

G HARVESTED AND SOLD TO OTHERS

X OTHER

**Value type:** string

**V7124AA** What was done with stalks after harvesting maize – burned in the field

**Description:** Whether the stalks of maize were burned in the field after harvesting is concluded.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7124AB** What was done with stalks after harvesting maize – incorporated back into soil

**Description:** Whether the stalks of maize were incorporated back into the soil after harvesting is concluded.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7124AC** What was done with stalks after harvesting maize – used as bedding for own livestock

**Description:** Whether the stalks of maize were used as bedding for own livestock after harvesting is concluded.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7124AD** What was done with stalks after harvesting maize – used as fuel for fire

**Description:** Whether the stalks of maize were used as fuel for fire after harvesting is concluded.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7124AE** What was done with stalks after harvesting maize – left in field for grazing by animals

**Description:** Whether the stalks of maize were left in the field for grazing by animals after harvesting is concluded.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7124AF** What was done with stalks after harvesting maize – harvested and fed to own animals

**Description:** Whether the stalks of maize were harvested and fed to own animals after harvesting is concluded.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7124AG** What was done with stalks after harvesting maize – harvested and sold to others

**Description:** Whether the stalks of maize were harvested and sold to others after harvesting is concluded.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7124AX** What was done with stalks after harvesting maize – other

**Description:** Whether other methods were used for discarding the stalks of maize after harvesting is concluded.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7124B** Used maize husks after harvesting maize

**Description:** Whether the household used the husks from the maize after harvesting the maize.

**Question text:** After harvesting the maize, did you use the maize husks for any purpose?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7124C** Used maize husks after harvesting maize

**Description:** Whether the household used the husks from the maize after harvesting the maize.

**Question text:** After harvesting the maize, did you use the maize husks for any purpose?

**Base:** All responsible farmers that cultivated maize

**Value set:**

A USED FOR OWN FOOD PREPARATION

B SOLD/TRADED FOR FOOD PREPARATION

C USED AS FUEL FOR FIRE

D FED TO OWN ANIMALS

E SOLD/TRADED WITH OTHERS AS ANIMAL FEED

X OTHER

**Value type:** string

**V7124CA** Used maize husks after harvesting maize – used for own food preparation

**Description:** Whether the household used the husks from the maize after harvesting the maize for own food preparation.

**Base:** All responsible farmers that cultivated maize and used the husks

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7124CB** Used maize husks after harvesting maize – sold/traded for food preparation

**Description:** Whether the household sold/traded the husks from the maize after harvesting the maize for food preparation.

**Base:** All responsible farmers that cultivated maize and used the husks

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7124CC** Used maize husks after harvesting maize – used as fuel for fire

**Description:** Whether the household used the husks from the maize after harvesting the maize as fuel for fire.

**Base:** All responsible farmers that cultivated maize and used the husks

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7124CD** Used maize husks after harvesting maize – fed to own animals

**Description:** Whether the household fed the husks from the maize after harvesting the maize to their own animals.

**Base:** All responsible farmers that cultivated maize and used the husks

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7124CE** Used maize husks after harvesting maize – sold/traded with others as animal feed

**Description:** Whether the household sold the husks from the maize after harvesting the maize to others as animal feed.

**Base:** All responsible farmers that cultivated maize and used the husks

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7124CX** Used maize husks after harvesting maize - other

**Description:** Whether the household used the husks from the maize after harvesting the maize for other purposes.

**Base:** All responsible farmers that cultivated maize and used the husks

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7125** Dried maize before sale or use

**Description:** Whether the household dried any of the maize before selling or using the maize.

**Question text:** Did you dry any of your maize harvest before sale or use?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7126** What maize was dried on

**Description:** For households that dried their maize, the surface on which the maize was dried. Multiple responses are allowed.

**Question text:** What did you dry the maize on?

**Base:** All responsible farmers that cultivated maize and dried it before sale or use (V7125 = 1)

**Value set:**

A BARE GROUND

B GROUND PLASTERED WITH COW DUNG

C GROUND COVERED WITH STRAW

D LEFT TO DRY ON PLANT IN FIELD

E TARPAULINS

F DRYING YARD

G DRYING RACKS

H SOLAR DRYERS

I MECHANIZED DRYERS

X OTHER

**Value type:** string

**V7126A** What maize was dried on – bare ground

**Description:** For households that dried their maize, whether the maize was dried on bare ground.

**Base:** All responsible farmers that cultivated maize and dried it before sale or use (V7125 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7126B** What maize was dried on – ground plastered with cow dung

**Description:** For households that dried their maize, whether the maize was dried on ground plastered with cow dung.

**Base:** All responsible farmers that cultivated maize and dried it before sale or use (V7125 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7126C** What maize was dried on – ground covered with straw

**Description:** For households that dried their maize, whether the maize was dried on ground covered with straw.

**Base:** All responsible farmers that cultivated maize and dried it before sale or use (V7125 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7126D** What maize was dried on – plants in field

**Description:** For households that dried their maize, whether the maize was dried on plants in field.

**Base:** All responsible farmers that cultivated maize and dried it before sale or use (V7125 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7126E** What maize was dried on - tarpaulins

**Description:** For households that dried their maize, whether the maize was dried on tarpaulins.

**Base:** All responsible farmers that cultivated maize and dried it before sale or use (V7125 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7126F** What maize was dried on – drying yard

**Description:** For households that dried their maize, whether the maize was dried on drying yard.

**Base:** All responsible farmers that cultivated maize and dried it before sale or use (V7125 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7126G** What maize was dried on – drying racks

**Description:** For households that dried their maize, whether the maize was dried on drying racks.

**Base:** All responsible farmers that cultivated maize and dried it before sale or use (V7125 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7126H** What maize was dried on – solar dryers

**Description:** For households that dried their maize, whether the maize was dried on solar dryers.

**Base:** All responsible farmers that cultivated maize and dried it before sale or use (V7125 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7126I** What maize was dried on – mechanized dryers

**Description:** For households that dried their maize, whether the maize was dried on mechanized dryers.

**Base:** All responsible farmers that cultivated maize and dried it before sale or use (V7125 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7126X** What maize was dried on - other

**Description:** For households that dried their maize, whether the maize was dried on some other surface.

**Base:** All responsible farmers that cultivated maize and dried it before sale or use (V7125 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7127** How maize was shucked

**Description:** Method used to shuck the maize after drying. Multiple responses are allowed.

**Question text:** How did you shuck the maize?

**Base:** All responsible farmers that cultivated maize

**Value set:**

A BY HAND ONLY

B WITH STICKS

C WITH A MACHINE

D DID NOT SHUCK

X OTHER

**Value type:** string

**V7127A1** How maize was shucked – by hand only

**Description:** Whether the maize was shucked by hand after drying.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7127B1** How maize was shucked – with sticks

**Description:** Whether sticks were used to shuck the maize after drying.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7127C1** How maize was shucked – with a machine

**Description:** Whether a machine was used to shuck the maize after drying.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7127D1** How maize was shucked – did not shuck

**Description:** Whether the maize was not shucked after drying.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7127X1** How maize was shucked - other

**Description:** Whether some other method was used to shuck the maize after drying.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7127A** Used maize cobs for any other purpose

**Description:** Whether the maize cobs were used after shucking for any purpose.

**Question text:** After shucking the maize, did you use the maize cobs for any other purpose?

**Base:** All responsible farmers that cultivated and shucked maize (V7127 <> D)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7127B** Use of maize cobs

**Description:** Use for maize cobs after shucking of the maize. Multiple responses are allowed.

**Question text:** What did you use the maize cobs for?

**Base:** All responsible farmers that cultivated and shucked maize and used cobs (V7127 <> D and V127A = 1)

**Value set:**

A USED AS FUEL FOR FIRE

B FED TO OWN ANIMALS

C SOLD/TRADED WITH OTHERS AS ANIMAL FEED

X OTHER

**Value type:** string

**V7127BA** Use of maize cobs – used as fuel for fire

**Description:** Use for maize cobs after shucking of the maize for fire fuel.

**Base:** All responsible farmers that cultivated and shucked maize and used cobs (V7127 <> D and V127A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7127BB** Use of maize cobs – fed to own animals

**Description:** Use for maize cobs after shucking of the maize for food for own animals.

**Base:** All responsible farmers that cultivated and shucked maize and used cobs (V7127 <> D and V127A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7127BC** Use of maize cobs – sold/traded with others as animal feed

**Description:** Use for maize cobs after shucking of the maize for selling/trading with others as animal feed.

**Base:** All responsible farmers that cultivated and shucked maize and used cobs (V7127 <> D and V127A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7127BX** Use of maize cobs - other

**Description:** Use for maize cobs after shucking of the maize for other uses.

**Base:** All responsible farmers that cultivated and shucked maize and used cobs (V7127 <> D and V127A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7128** Maize bagged for storage/transport

**Description:** Whether the maize was stored in bags after harvesting for either storage or transport, or both.

**Question text:** Did you put the maize in bags after harvest for storage or transport?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES, IN BUCKETS

2 YES, IN DRUMS

3 YES, IN BAGS

4 NO

**Value type:** numeric

**V7129** Type of storage bag used for maize

**Description:** For households that bagged their maize, the type of storage bag that the household used.

**Question text:** What type of storage bag did you use for the maize?

**Base:** All responsible farmers that cultivated maize and bagged for storage (V7128 = 3)

**Value set:**

A WOVEN BAG, SINGLE LAYER

B TWO- OR THREE-LAYERED WOVEN BAGS

C HERMETIC BAG

**Value type:** string

**V7129A** Type of storage bag used for maize – woven bag, single layer

**Description:** For households that bagged their maize, the household used woven bag, single layer.

**Base:** All responsible farmers that cultivated maize and bagged for storage (V7128 = 3)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7129B** Type of storage bag used for maize – two- or three-layered woven bags

**Description:** For households that bagged their maize, the household used two- or three-layered woven bags.

**Base:** All responsible farmers that cultivated maize and bagged for storage (V7128 = 3)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7129C** Type of storage bag used for maize – hermetic bag

**Description:** For households that bagged their maize, the household used hermetic bag.

**Base:** All responsible farmers that cultivated maize and bagged for storage (V7128 = 3)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7130A** Stored maize in residential house

**Description:** Whether the household stored maize in a residential house.

**Question text:** Did you use any of the following storage locations to store the maize? Residential house?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7130B** Stored maize in cribs

**Description:** Whether the household stored its maize in cribs.

**Question text:** Cribs?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7130C** Stored maize in granaries

**Description:** Whether the household stored its maize in granaries.

**Question text:** Granaries?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7130D** Stored maize in other constructed stores

**Description:** Whether the household stored its maize in other constructed stores.

**Question text:** Other constructed stores?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7130E** Stored maize in warehouses

**Description:** Whether the household stored its maize in warehouses.

**Question text:** Warehouses?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7130F** Stored maize in storage silos

**Description:** Whether the household stored its maize in storage silos.

**Question text:** Storage silos?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7130X** Stored maize in other locations

**Description:** Whether the household stored its maize in any other locations.

**Question text:** Some other type of location?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7130AA** Any type of storage used filter

**Description:** Whether the household stored its maize in any type of storage. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7131** Maize attacked by insects, rodents, disease

**Description:** Whether the household’s maize was attacked by insects, rodents, or diseases while being stored.

**Question text:** Was your maize attacked by insects, rodents, or disease while in storage?

**Base:** All responsible farmers that cultivated maize and stored it (at least one of V7130A-X = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7132** Source of information for maize crop success

**Description:** Main source of information the respondent relies on to help grow his or her maize crops well.

**Question text:** What information source do you rely on the most to help you grow your maize crop well?

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 FRIEND/NEIGHBOR

2 AGRO-INPUT DEALER

3 AG EXTENSION WORKER

4 SCHOOL

5 RADIO PROGRAM

6 TELEVISION

7 MOBILE PHONE MESSAGING

8 INTERNET

96 OTHER

**Value type:** numeric

**V7133H** Module 7.1: stop hour1

**Description:** Time of the stop of the data collection for Module 7.1, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated maize

**Value set:** 0:23

**Value type:** numeric

**V7133M** Module 7.1: stop minute

**Description:** Time of the stop of the data collection for Module 7.1, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated maize

**Value set:** 0:59

**Value type:** numeric

**D7133** Module 7.1: stop day

**Description:** Day of the stop date for data collection for Module 7.1.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M7133** Module 7.1: stop month

**Description:** Month of the stop date for data collection for Module 7.1.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y7133** Module 7.1: stop year

**Description:** Year of the stop date for the data collection for Module 7.1.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V7134** Outcome of the module

**Description:** Result code of Module 7.1. Code 3 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** All responsible farmers that cultivated maize

**Value set:**

1 COMPLETED

2 MODULE RESPONDENT NOT AT HOME

3 POSTPONED/UNAVAILABLE

4 REFUSED

5 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

**V7135** Interviewer number for Module 7.1

**Description:** Identification code for the interviewer assigned to Module 7.1, unique for each interviewer participating in fieldwork.

**Base:** All responsible farmers that cultivated maize

**Value set:** 11:909

**Value type:** numeric

# Module 7.2 (MOD\_72): Agricultural Technologies - Beans

**V7200H** Module 7.2: start hour

**Description:** Time of the start of the data collection for Module 7.2, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated beans

**Value set:** 0:23

**Value type:** numeric

**V7200M** Module 7.2: start minute

**Description:** Time of the start of the data collection for Module 7.2, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated beans

**Value set:** 0:59

**Value type:** numeric

**D7200** Module 7.2: start day

**Description:** Day of the start date for data collection for Module 7.2.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M7200**  Module 7.2: start month

**Description:** Month of the start date for data collection for Module 7.2.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y7200**  Module 7.2: start year

**Description:** Year of the start date for the data collection for Module 7.2.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V7200C** Line number of respondent Module 7.2

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 7.2.

**Base:** All responsible farmers that cultivated beans

**Value set:** 1:50

**Value type:** numeric

**V7200D** Consent obtained

**Description:** Whether the respondent to Module 7.2 has agreed to be interviewed and included in the survey. If the respondent has not agreed, the interview may not continue.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7200E** Plots responsible for

**Description:** Which plots in the household that the respondent is mainly responsible for beans – determined from the farmer’s plot map. Automatically filled in CAPI.

**Base:** All responsible farmers that cultivated beans in the past year

**Value set:**

A PLOT 1

B PLOT 2

C PLOT 3

D PLOT 4

E PLOT 5

F PLOT 6

G PLOT 7

H PLOT 8

**Value type:** string

**V7201** Number of bean varieties cultivated

**Description:** Number of varieties of beans that the household cultivated during the past year. Respondents may respond “don’t know.”

**Question text:** How many types of beans did you cultivate in the past year?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1:20

98 DON’T KNOW

**Value type:** numeric

**V7202** Type of land preparation for beans

**Description:** Type of land preparation that was used for cultivating beans in the past year. Multiple responses are allowed.

**Question text:** What kind of land preparation did you use for the beans you planted in the past year?

**Base:** All responsible farmers that cultivated beans

**Value set:**

A NONE

B ZERO TILLAGE

C PLOUGHING

X OTHER

**Value type:** string

**V7202A** Type of land preparation for beans - none

**Description:** Whether no land preparation was used for cultivating beans in the past year.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7202B** Type of land preparation for beans – zero tillage

**Description:** Whether zero tillage land preparation was used for cultivating beans in the past year.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7202C** Type of land preparation for beans - ploughing

**Description:** Whether ploughing land preparation was used for cultivating beans in the past year.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7202X** Type of land preparation for beans - other

**Description:** Whether some other land preparation was used for cultivating beans in the past year.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7203** Zero tillage used for beans

**Description:** Whether the response to V7202 included the zero tillage method. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated beans using land preparation (V7202 in B,C,X)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7204** Type of zero tillage used for beans

**Description:** Type of zero tillage method used for cultivating beans. Multiple responses are allowed.

**Question text:** What kind of zero tillage system did you use on the land where you planted beans?

**Base:** All responsible farmers that cultivated beans using zero tillage   
(B in V7202)

**Value set:**

A SLASH AND PLANT

B BURN AND PLANT

C HERBICIDE AND PLANT

X OTHER

**Value type:** string

**V7204A** Type of zero tillage used for beans – slash and plant

**Description:** Whether the slash and plant method of zero tillage was used for cultivating beans.

**Base:** All responsible farmers that cultivated beans using zero tillage   
(B in V7202)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7204B** Type of zero tillage used for beans – burn and plant

**Description:** Whether the burn and plant method of zero tillage was used for cultivating beans.

**Base:** All responsible farmers that cultivated beans using zero tillage   
(B in V7202)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7204C** Type of zero tillage used for beans – herbicide and plant

**Description:** Whether the herbicide and plant method of zero tillage was used for cultivating beans.

**Base:** All responsible farmers that cultivated beans using zero tillage   
(B in V7202)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7204X** Type of zero tillage used for beans - other

**Description:** Whether some other method of zero tillage was used for cultivating beans.

**Base:** All responsible farmers that cultivated beans using zero tillage   
(B in V7202)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7205** Ploughing methods used for beans

**Description:** Whether the response to V7202 included the ploughing method. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated beans using land preparation (V7202 in B,C,X)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7206** Method used for ploughing for beans

**Description:** Type of ploughing method used for cultivating beans. Multiple responses are allowed.

**Question text:** What did you use for ploughing the land where you planted beans?

**Base:** All responsible farmers that cultivated beans using ploughing (C in V7202)

**Value set:**

A HAND TILLAGE (HOE)

B ANIMAL TRACTION

C MOTORIZED TILLER

D TRACTOR

X OTHER

**Value type:** string

**V7206A** Method used for ploughing for beans – hand tillage (hoe)

**Description:** Whether the hand tillage (hoe) method of ploughing was used for cultivating beans.

**Base:** All responsible farmers that cultivated beans using ploughing (C in V7202)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7206B** Method used for ploughing for beans – animal traction

**Description:** Whether animal traction ploughing was used for cultivating beans.

**Base:** All responsible farmers that cultivated beans using ploughing (C in V7202)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7206C** Method used for ploughing for beans – motorized tiller

**Description:** Whether motorized tiller ploughing was used for cultivating beans.

**Base:** All responsible farmers that cultivated beans using ploughing (C in V7202)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7206D** Method used for ploughing for beans – tractor

**Description:** Whether tractor ploughing was used for cultivating beans.

**Base:** All responsible farmers that cultivated beans using ploughing (C in V7202)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7206X** Method used for ploughing for beans - other

**Description:** Whether some other method of ploughing was used for cultivating beans.

**Base:** All responsible farmers that cultivated beans using ploughing (C in V7202)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7207** Main source of bean seed

**Description:** Main source of seed used in cultivation of beans.

**Question text:** What was your main source of bean seed?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 OWN SAVED SEED, SEED FROM FRIEND/RELATIVE   
(NOT PURCHASED)

2 BOUGHT FROM FRIEND/RELATIVE

3 BOUGHT IN MARKET

4 BOUGHT FROM AG DEALER WITH CASH

5 BOUGHT FROM AG DEALER WITH VOUCHER

6 AID DISTRIBUTION

96 OTHER

**Value type:** numeric

**V7208** Type of bean seed planted

**Description:** Type of bean seed that the household planted in the past year.

**Question text:** What type of bean seed did you plant in the past year? Multiple responses are allowed.

**Base:** All responsible farmers that cultivated beans

**Value set:**

A UNIMPROVED LOCAL VARIETIES

B IMPROVED VARIETIES

Y DON’T KNOW

**Value type:** string

**V7208A1** Type of bean seed planted – unimproved local varieties

**Description:** Unimproved local varieties of bean seed planted in the past year by the household.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7208B1** Type of bean seed planted – improved varieties

**Description:** Improved varieties of bean seed planted in the past year by the household.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7208Y1** Type of bean seed planted – don’t know

**Description:** Do not know type of bean seed planted in the past year by the household.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7208X** More than one type of seed planted filter

**Description:** Filter for determining if more than one type of bean seed was planted by the household. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7208A** Bean seed traditional/local or modern/improved

**Description:** For respondents that planted more than one type of seed, the mix of the seed between traditional/local and modern/improved.

**Question text:** Would you say that most of the bean seed you planted was traditional, local seed, or was it modern, improved seed?

**Base:** All responsible farmers that cultivated beans using more than one type of seed

**Value set:**

1 MOSTLY TRADITIONAL/LOCAL SEED

2 MOSTLY MODERN/IMPROVED SEED

3 HALF TRADITIONAL/HALF IMPROVED

8 DON’T KNOW

**Value type:** numeric

**V7208B** Decisionmaker for kind of bean seed planted

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant. Multiple responses are allowed.

**Question text:** When decisions are made regarding what kind of bean seed to plant, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated beans

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7208BA** Decisionmaker for kind of bean seed planted - self

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is the respondent.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7207BB** Decisionmaker for kind of bean seed planted – partner/spouse

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is the partner/spouse of the respondent.

**Base:** All responsible farmers that cultivated bean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7208BC** Decisionmaker for kind of bean seed planted – other HH member

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is another household member.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7208BD** Decisionmaker for kind of bean seed planted – other non-HH member

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is another non-household member.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7209** Beans used food and/or market

**Description:** Whether the household grew beans for household food, sale in the market, or both.

**Question text:** Did you grow your bean crop: To provide food for the household? To be sold or traded in the market? Both for food and for the market?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 GROWN FOR FOOD ONLY

2 GROWN FOR MARKET ONLY

3 GROWN FOR BOTH FOOD & MARKET

6 OTHER

**Value type:** numeric

**V7210** Planting method for beans – scatter method

**Description:** Whether the bean seeds were broadcast or planted in rows.

**Question text:** Some farmers plant bean seeds in rows and some randomly broadcast their bean seeds. How did you plant your bean seeds?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 IN ROWS

2 RANDOMLY BROADCAST

3 SOME IN ROWS AND SOME RANDOMLY BROADCAST

**Value type:** numeric

**V7210A** Planting method for beans – crop mixing

**Description:** Whether the beans were intercropped crops.

Question text: Some farmers plant bean seeds alone and some plant their bean seeds along with other crops growing in the same plot. How did you plant your beans?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 ALONE

2 WITH OTHER CROPS

3 SOME ALONE AND SOME WITH OTHER CROPS

**Value type:** numeric

**V7210B** Crops planted together with beans

**Description:** If the beans were planted with other crops in the same plot in the past year, names of those crops.

**Question text:** What other crops did you plant in the same plot with the beans?

**Base:** All responsible farmers that cultivated beans in plots with other crops (V7210A <> 1)

**Value set:**

X Enter first crop planted

Y Enter second crop planted

Z Enter third crop planted

**Value type:** string

**V7211** Rotate beans with another crop

**Description:** Whether the household rotated its bean crops with another type of crop during the previous season.

**Question text:** Over the past two planting seasons, did you rotate beans with another crop planted in the same plot area?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V7211A** Crops planted previous season

**Description:** List of other crops planted in plot previous season.

**Question text:** What was cultivated in the plot in the season before you planted the beans?

**Base:** All responsible farmers that cultivated beans and rotated it the previous season (V7211 = 1)

**Value set:**

X Enter first crop planted

Y Enter second crop planted

Z Enter third crop planted

**Value type:** string

**V7211B** Crops to plant next season

**Description:** List of other crops to be planted in next growing season.

**Question text:** What do you plan to cultivate next season in the plot where you are currently growing common bean?

**Base:** All responsible farmers that cultivated beans and rotated it the previous season (V7211 = 1)

**Value set:**

A Enter first crop to plant

B Enter second crop to plant

C Enter third crop to plant

X PLAN TO LEAVE FALLOW

Y DON’T KNOW

**Value type:** string

**V7212** Applied fertilizer to beans

**Description:** Whether the household used fertilizer to cultivate its bean crops.

**Question text:** Did you apply fertilizer to the beans in the past year?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7213A** When applied fertilizer to beans

**Description:** Time during cultivation that the household used fertilizer. Multiple responses are allowed.

**Question text:** At which times did you apply fertilizer to the beans?

**Base:** All responsible farmers that cultivated beans using fertilizer (V7212 = 1)

**Value set:**

A PLANTING

B EARLY GROWTH STAGE

C MID-CROP

X OTHER

**Value type:** string

**V7213AA** When applied fertilizer to beans - planting

**Description:** Whether the household used fertilizer while planting.

**Base:** All responsible farmers that cultivated beans using fertilizer (V7212 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7213AB** When applied fertilizer to beans – early growth stage

**Description:** Whether the household used fertilizer early growth stage.

**Base:** All responsible farmers that cultivated beans using fertilizer (V7212 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7213AC** When applied fertilizer to beans – mid-crop

**Description:** Whether the household used fertilizer mid-crop.

**Base:** All responsible farmers that cultivated beans using fertilizer (V7212 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7213AX** When applied fertilizer to beans - other

**Description:** Whether the household used fertilizer at some other point.

**Base:** All responsible farmers that cultivated beans using fertilizer (V7212 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7213B** Type of fertilizer used on beans

**Description:** Type of fertilizer that the household used to cultivate bean crops. Multiple responses are allowed.

**Question text:** What type of fertilizer did you use?

**Base:** All responsible farmers that cultivated beans using fertilizer (V7212 = 1)

**Value set:**

A SOIL BASED ORGANIC

B SOIL BASED INORGANIC

C FOLIAR FEEDS ORGANIC

D FOLIAR FEEDS INORGANIC

X OTHER

**Value type:** string

**V7213BA** Type of fertilizer used on beans – soil based organic

**Description:** Whether soil based organic fertilizer was used to cultivate bean crops.

**Base:** All responsible farmers that cultivated beans using fertilizer (V7212 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7213BB** Type of fertilizer used on beans – soil based inorganic

**Description:** Whether soil based inorganic fertilizer was used to cultivate bean crops.

**Base:** All responsible farmers that cultivated beans using fertilizer (V7212 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7213BC** Type of fertilizer used on beans – foliar feeds organic

**Description:** Whether organic foliar feeds were used to cultivate bean crops.

**Base:** All responsible farmers that cultivated beans using fertilizer (V7212 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7213BD** Type of fertilizer used on beans – foliar feeds inorganic

**Description:** Whether inorganic foliar feeds were used to cultivate bean crops.

**Base:** All responsible farmers that cultivated beans using fertilizer (V7212 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7213BX** Type of fertilizer used on beans - other

**Description:** Whether some other fertilizer was used to cultivate bean crops.

**Base:** All responsible farmers that cultivated beans using fertilizer (V7212 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7213C** Name of fertilizer used on beans

**Description:** Brand of fertilizer that was used to cultivate beans in the past year.

**Question text:** What is the name of the fertilizer you mainly used for your beans in the past year?

**Base:** All responsible farmers that cultivated beans using fertilizer (V7212 = 1)

**Value set:**

1 FERTILIZER 1

2 FERTILIZER 2

3 FERTILIZER 3

96 OTHER

98 DON’T KNOW

**Value type:** numeric

**V7213D1** Nitrogen component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate beans in the past year.

**Question text:** What was the ratio of nitrogen, phosphate, and potassium in the fertilizer you mainly used for your beans in the past year?

**Base:** All responsible farmers that cultivated beans using fertilizer (V7212 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7213D2** Phosphate component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate beans in the past year.

**Base:** All responsible farmers that cultivated beans using fertilizer (V7212 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7213D3** Potassium component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate beans in the past year.

**Base:** All responsible farmers that cultivated beans using fertilizer (V7212 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7213E** Applied animal manure to beans

**Description:** Whether the respondent applied animal manure to beans.

**Question text:** Did you apply animal manure to your beans fields in the past year?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7213F** Method for applying animal manure to beans

**Description:** For fields where animal manure was applied to the beans, the method used to apply the manure.

**Question text:** How was animal manure applied to your beans fields?

**Base:** All responsible farmers that cultivated beans using animal manure (V7213E = 1)

**Value set:**

1 ANIMALS GRAZE AND LEAVE DUNG ON FIELD

2 MANURE APPLIED TO FIELD BY HAND

3 MANURE APPLIED TO FIELD WITH MACHINE

6 OTHER

**Value type:** numeric

**V7213G** Source of animal manure for beans

**Description:** For fields where animal manure was applied to the beans, the source of the animal manure.

**Question text:** Where did you get the manure you applied to your beans fields?

**Base:** All responsible farmers that cultivated beans using fertilizer (V7213E = 1)

**Value set:**

1 PRODUCED BY OWN ANIMALS

2 GIVEN BY FAMILY/FRIEND/NEIGHBOR FARM

3 PURCHASED FROM MARKET/TRADER

**Value type:** numeric

**V7213H** Decisionmaker for using fertilizer on beans

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s beans.

**Question text:** When decisions are made regarding whether or not to use fertilizer for your beans, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated beans

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7213HA** Decisionmaker for using fertilizer on beans - self

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s beans was the respondent.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7213HB** Decisionmaker for using fertilizer on beans – partner/spouse

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s beans was the respondent’s partner/spouse.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7213HC** Decisionmaker for using fertilizer on beans – other household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s beans was another household member.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7213HD** Decisionmaker for using fertilizer on beans – other non-household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s beans was another non-household member.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7214** Trained on using inorganic fertilizer for beans

**Description:** Whether the household has been trained on using inorganic fertilizers to cultivate beans.

**Question text:** Inorganic fertilizer is a man-made fertilizer that you can buy in a bag at the shop. Have you been trained in how to use inorganic fertilizer for beans?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7215** Insect, rodent, disease attacks on beans in past year

**Description:** Whether there were attacks on the beans from any insects, rodents, or diseases in the past year.

**Question text:** Did you have any insect, rodents, or disease attacks on your beans in the past year?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7216** Used chemicals to control attacks on beans

**Description:** Whether the household used chemicals to control attacks from insects, rodents, or other diseases on its bean crops.

**Question text:** Did you use chemicals to control insect, rodent, or disease attacks on the beans?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7217** Chemical use preventive or reactive

**Description:** Whether the use of chemicals to control insect, rodent, or disease attacks was preventive or in response to a previous attack on the bean crops.

**Question text:** Was the use of chemicals preventive, or was it in response to an insect, rodent, or disease attack?

**Base:** All responsible farmers that cultivated beans using chemicals (V7216 = 1)

**Value set:**

1 PREVENTIVE/ROUTINE

2 RESPONSE TO ATTACK

**Value type:** numeric

**V7218** Trained to apply pesticides for beans

**Description:** Whether household has been trained to use pesticides in cultivating beans.

**Question text:** Have you been trained in when to use and how to apply pesticides for beans?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7219** Number of times controlled weeds in beans

**Description:** Number of times the household had to control weeds in the bean crops in the past year. If the household did not control weeds, the interviewer enters code 00.

**Question text:** How many times did you control weeds among your bean crops in the past year?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1:20

00 NONE

**Value type:** numeric

**V7220** Method of controlling weeds in beans

**Description:** Method used to control weeds in the beans crops. Multiple responses are allowed.

**Question text:** How did you control the weeds among your bean crops?

**Base:** All responsible farmers that cultivated beans and controlled weeds (V7219 > 0)

**Value set:**

A HOE

B HERBICIDE

C MULCHING

D INTERCROPPING

E SLASHING

F PULL BY HAND

**Value type:** string

**V7220A** Method of controlling weeds in beans - hoe

**Description:** Whether a hoe was used by household for controlling weeds among bean crops.

**Base:** All responsible farmers that cultivated beans and controlled weeds (V7219 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7220B** Method of controlling weeds in beans - herbicide

**Description:** Whether herbicide was used by household for controlling weeds among bean crops.

**Base:** All responsible farmers that cultivated beans and controlled weeds (V7219 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7220C** Method of controlling weeds in beans - mulching

**Description:** Whether mulching was used by household for controlling weeds among bean crops.

**Base:** All responsible farmers that cultivated beans and controlled weeds (V7219 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7220D** Method of controlling weeds in beans - intercropping

**Description:** Whether intercropping was used by household for controlling weeds among bean crops.

**Base:** All responsible farmers that cultivated beans and controlled weeds (V7219 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7220E** Method of controlling weeds in beans - slashing

**Description:** Whether slashing was used by household for controlling weeds among bean crops.

**Base:** All responsible farmers that cultivated beans and controlled weeds (V7219 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7220F** Method of controlling weeds in beans – pull by hand

**Description:** Whether the household controlled weeds by pulling by hand among bean crops.

**Base:** All responsible farmers that cultivated beans and controlled weeds (V7219 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7221** Trained on using herbicides for beans

**Description:** Whether the household has been trained on using herbicides for cultivating bean crops.

**Question text:** Have you been trained in when to use and how to apply herbicides for beans?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7222A** Managed soil and water for beans using terracing

**Description:** Whether the household used terracing to manage the soil and water for cultivating the bean crops.

**Question text:** In the past year, did you use any of the following techniques to manage soil and water for your bean crop? Terracing?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7222B** Managed soil and water for beans using mulching

**Description:** Whether the household used mulching to manage the soil and water for cultivating the bean crops.

**Question text:** Mulching?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7222C** Managed soil and water for beans using soil bands or trenches

**Description:** Whether the household used soil bands or trenches to manage the soil and water for cultivating the bean crops.

**Question text:** Soil bands or trenches?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7222D** Managed soil and water for beans by adding lime to the soil

**Description:** Whether the household added lime to the soil to manage the soil and water for cultivating the bean crops.

**Question text:** Adding lime to the soil?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7222X** Managed soil and water for beans using other techniques

**Description:** Whether the household used any other techniques to manage the soil and water for cultivating the bean crops.

**Question text:** Some other techniques?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7223** Used any irrigation methods other than rainfall

**Description:** Whether the household used any irrigation methods other than rainfall to cultivate beans crops.

**Question text:** Besides rainfall, did you use any additional irrigation methods for the beans?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7224** Type of irrigation used for beans

**Description:** Method of irrigation used to cultivate beans other than rainfall. Multiple responses are allowed.

**Question text:** What type of irrigation did you use?

**Base:** All responsible farmers that cultivated beans using irrigation methods (V7223 = 1)

**Value set:**

A DRIP IRRIGATION

B GRAVITY SYSTEM

C ASPIRATION

D PUMP SYSTEM

E BY HAND (WATERING CAN, HOSE, ETC)

X OTHER

**Value type:** string

**V7224A** Type of irrigation used for beans – drip irrigation

**Description:** For households that used irrigation, whether drip irrigation was used for bean cultivation.

**Base:** All responsible farmers that cultivated beans using additional irrigation (V7223 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7224B** Type of irrigation used for beans – gravity system

**Description:** For households that used irrigation, whether gravity system irrigation was used for bean cultivation.

**Base:** All responsible farmers that cultivated beans using additional irrigation (V7223 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7224C** Type of irrigation used for beans – aspiration

**Description:** For households that used irrigation, whether aspiration irrigation was used for bean cultivation.

**Base:** All responsible farmers that cultivated beans using additional irrigation (V7223 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7224D** Type of irrigation used for beans – pump system

**Description:** For households that used irrigation, whether pump system irrigation was used for bean cultivation.

**Base:** All responsible farmers that cultivated beans using additional irrigation (V7223 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7224E** Type of irrigation used for beans - by hand

**Description:** For households that used irrigation, whether hand irrigation, such as watering can or hose, was used for bean cultivation.

**Base:** All responsible farmers that cultivated beans using additional irrigation (V7223 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7224X** Type of irrigation used for beans - other

**Description:** For households that used irrigation, whether some other method of irrigation was used for bean cultivation.

**Base:** All responsible farmers that cultivated beans using additional irrigation (V7223 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7224A** Decisionmaker for irrigation of beans

**Description:** Most common decisionmaker regarding whether to irrigate the household’s beans.

**Question text:** When decisions are made regarding whether or not to irrigate the bean crop, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated beans

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7224AA** Decisionmaker for irrigation of beans - self

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s beans was the respondent.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7224AB** Decisionmaker for irrigation of beans – partner/spouse

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s beans was the respondent’s partner/spouse.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7224AC** Decisionmaker for irrigation of beans – other household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s beans was another household member.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7224AD** Decisionmaker for irrigation of beans – other non-household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s beans was another non-household member.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7225** What was done with stems after harvesting beans

**Description:** What happened to the stems of beans after harvesting is concluded.

**Question text:** After harvesting the beans, what was done with the bean stems?

**Base:** All responsible farmers that cultivated beans

**Value set:**

A BURNED IN THE FIELD

B INCORPORATED BACK INTO SOIL

C USED AS BEDDING FOR OWN LIVESTOCK

D USED AS FUEL FOR FIRE

E LEFT IN FIELD FOR GRAZING BY ANIMALS

F HARVESTED AND FED TO OWN ANIMALS

G HARVESTED AND SOLD TO OTHERS

X OTHER

**Value type:** string

**V7225A** What was done with stalks after harvesting beans – burned in the field

**Description:** Whether the stems of beans were burned in the field after harvesting is concluded.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7225B** What was done with stems after harvesting beans – incorporated back into soil

**Description:** Whether the stems of beans were incorporated back into the soil after harvesting is concluded.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7225C** What was done with stems after harvesting beans – used as bedding for own livestock

**Description:** Whether the stems of beans were used as bedding for own livestock after harvesting is concluded.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7225D** What was done with stems after harvesting beans – used as fuel for fire

**Description:** Whether the stems of beans were used as fuel for fire after harvesting is concluded.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7225E** What was done with stems after harvesting beans – left in field for grazing by animals

**Description:** Whether the stems of beans were left in the field for grazing by animals after harvesting is concluded.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7225F** What was done with stems after harvesting beans – harvested and fed to own animals

**Description:** Whether the stems of beans were harvested and fed to own animals after harvesting is concluded.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7225G** What was done with stems after harvesting beans – harvested and sold to others

**Description:** Whether the stems of beans were harvested and sold to others after harvesting is concluded.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7225X** What was done with stems after harvesting beans – other

**Description:** Whether other methods were used for discarding the stems of beans after harvesting is concluded.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7226** Dried beans before sale or use

**Description:** Whether the household dried any of the beans before selling or using the beans.

**Question text:** Did you dry any of your bean harvest before sale or use?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7227** What beans were dried on

**Description:** Surface that beans were dried on before use. Multiple responses are allowed.

**Question text:** What did you dry the beans on?

**Base:** All responsible farmers that cultivated beans and dried them before sale or use (V7226 = 1)

**Value set:**

A BARE GROUND

B GROUND PLASTERED WITH COW DUNG

C LEFT TO DRY ON PLANT IN FIELD

D TARPAULINS

E DRYING YARD WITH CEMENTED GROUND

F DRYING RACKS

G SOLAR DRYERS

H MECHANIZED DRYERS

X OTHER

**Value type:** string

**V7227A** What beans were dried on – bare ground

**Description:** For households that dried their beans, whether the beans were dried on bare ground.

**Base:** All responsible farmers that cultivated beans and dried them before sale or use (V7226 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7227B** What beans were dried on – ground plastered with cow dung

**Description:** For households that dried their beans, whether the beans were dried on ground plastered with cow dung.

**Base:** All responsible farmers that cultivated beans and dried them before sale or use (V7226 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7227C** What beans were dried on – plants in field

**Description:** For households that dried their beans, whether the beans were dried on plants in field.

**Base:** All responsible farmers that cultivated beans and dried them before sale or use (V7226 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7227D** What beans were dried on - tarpaulins

**Description:** For households that dried their beans, whether the beans were dried on tarpaulins.

**Base:** All responsible farmers that cultivated beans and dried them before sale or use (V7226 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7227E** What beans were dried on – drying yard with cemented ground

**Description:** For households that dried their beans, whether the beans were dried on drying yard.

**Base:** All responsible farmers that cultivated beans and dried them before sale or use (V7226 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7227F** What beans were dried on – drying racks

**Description:** For households that dried their beans, whether the beans were dried on drying racks.

**Base:** All responsible farmers that cultivated beans and dried them before sale or use (V7226 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7227G** What beans were dried on – solar dryers

**Description:** For households that dried their beans, whether the beans were dried on solar dryers.

**Base:** All responsible farmers that cultivated beans and dried them before sale or use (V7226 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7227H** What beans were dried on – mechanized dryers

**Description:** For households that dried their beans, whether the beans were dried on mechanized dryers.

**Base:** All responsible farmers that cultivated beans and dried them before sale or use (V7226 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7227X** What beans were dried on - other

**Description:** For households that dried their beans, whether the beans were dried on some other surface.

**Base:** All responsible farmers that cultivated beans and dried them before sale or use (V7226 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7228** How beans were threshed

**Description:** Method used to thresh the beans before use. Multiple responses are allowed.

**Question text:** How did you thresh the beans?

**Base:** All responsible farmers that cultivated beans

**Value set:**

A BY HAND ONLY

B WITH STICKS

C WITH A SHELLING MACHINE

D DID NOT SHELL

X OTHER

**Value type:** string

**V7228A1** How beans were threshed – by hand only

**Description:** Whether the beans were threshed by hand after drying.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7228B1** How beans were threshed – with sticks

**Description:** Whether sticks were used to thresh the beans after drying.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7228C1** How beans were threshed – shelling machine

**Description:** Whether a shelling machine was used to thresh the beans after drying.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7228D1** How beans were threshed – did not shell

**Description:** Whether the beans were not threshed after drying.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7228X1** How beans were threshed - other

**Description:** Whether some other method was used to thresh the beans after drying.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7228A** Used seed pods after threshing

**Description:** Whether the seed pods from the beans were used after threshing.

**Question text:** After threshing the beans, did you use the seed pods for any purpose?

**Base:** All responsible farmers that cultivated and threshed beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7228B** Use of seed pods

**Description:** Use for seed pods after shelling the groundnuts.

**Question text:** What did you use the seed pods for?

**Base:** All responsible farmers that cultivated and threshed beans and used pods (V7228 <> D and V228A = 1)

**Value set:**

A USED AS COMPOST/MULCH

B FED TO OWN ANIMALS

C FED TO OWN ANIMALS

D SOLD/TRADED WITH OTHERS AS ANIMAL FEED

X OTHER

**Value type:** string

**V7228BA** Use of seed pods – used as compost/mulch

**Description:** Seed pods used as fuel for fire after threshing the beans.

**Base:** All responsible farmers that cultivated and threshed beans and used pods (V7228 <> D and V228A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7228BB** Use of seed pods – fed to own animals

**Description:** Seed pods used as food for own animals after threshing the beans.

**Base:** All responsible farmers that cultivated and threshed beans and used pods (V7228 <> D and V228A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7228BC** Use of seed pods – sold/traded with others as animal feed

**Description:** Seed pods used for selling/trading with others as animal feed after threshing the beans.

**Base:** All responsible farmers that cultivated and threshed beans and used pods (V7228 <> D and V228A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7228BX** Use of seed pods - other

**Description:** Seed pods used for other uses after threshing the beans.

**Base:** All responsible farmers that cultivated and threshed beans and used pods (V7228 <> D and V228A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7229** Beans bagged for storage/transport

**Description:** Whether the beans were stored in bags after harvesting for either storage or transport, or both.

**Question text:** Did you put the beans in bags after harvest for storage or transport?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7230** Type of storage bag used for beans

**Description:** For households that bagged their beans, the type of storage bag that the household used.

**Question text:** What type of storage bag did you use for the beans?

**Base:** All responsible farmers that cultivated beans and stored in bags (V7229 = 1)

**Value set:**

A WOVEN BAG, SINGLE LAYER

B TWO- OR THREE-LAYERED WOVEN BAGS

C HERMETIC BAG

**Value type:** string

**V7230A** Type of storage bag used for beans – woven bag, single layer

**Description:** For households that bagged their beans, the household used woven bag, single layer.

**Base:** All responsible farmers that cultivated beans and bagged for storage (V7229 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7230B** Type of storage bag used for beans – two- or three-layered woven bags

**Description:** For households that bagged their beans, the household used two- or three-layered woven bags.

**Base:** All responsible farmers that cultivated beans and bagged for storage (V7229 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7230C** Type of storage bag used for beans – hermetic bag

**Description:** For households that bagged their beans, the household used hermetic bag.

**Base:** All responsible farmers that cultivated beans and bagged for storage (V7229 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7231A** Stored beans in residential house

**Description:** Whether the household stored beans in a residential house.

**Question text:** Did you use any of the following storage locations to store the beans? Residential house?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7231B** Stored beans in cribs

**Description:** Whether the household stored beans in cribs.

**Question text:** Cribs?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7231C** Stored beans in granaries

**Description:** Whether the household stored beans in granaries.

**Question text:** Granaries?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7231D** Stored beans in other constructed stores

**Description:** Whether the household stored beans in other constructed stores.

**Question text:** Other constructed stores?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7231E** Stored beans in warehouses

**Description:** Whether the household stored beans in warehouses.

**Question text:** Warehouses?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7231X** Stored beans in other locations

**Description:** Whether the household stored beans in some other type of location.

**Question text:** Some other type of location?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7231AA** Any type of storage used filter

**Description:** Whether the household stored its beans in any type of storage. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7232** Beans attacked by insects, rodents, disease

**Description:** Whether the beans were attacked by any insects, rodents, or disease while being stored.

**Question text:** Were your beans attacked by insects, rodents, or disease while in storage?

**Base:** All responsible farmers that cultivated beans and stored them (at least one of V7231AA = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7233** Source of information for bean crop success

**Description:** Main source of information the respondent relies on to help grow his or her bean crops well.

**Question text:** What information source do you rely on the most to help you grow your bean crop well?

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 FRIEND/NEIGHBOR

2 AGRO-INPUT DEALER

3 AG EXTENSION WORKER

4 SCHOOL

5 RADIO PROGRAM

6 TELEVISION

7 MOBILE PHONE MESSAGING

8 INTERNET

96 OTHER

**Value type:** numeric

**V7234H** Module 7.2: stop hour

**Description:** Time of the stop of the data collection for Module 7.2, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated beans in the past year

**Value set:** 0:23

**Value type:** numeric

**V7234M** Module 7.2: stop minute

**Description:** Time of the stop of the data collection for Module 7.2, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated beans in the past year

**Value set:** 0:59

**Value type:** numeric

**D7234** Module 7.2: stop day

**Description:** Day of the stop date for data collection for Module 7.2.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M7234** Module 7.2: stop month

**Description:** Month of the stop date for data collection for Module 7.2.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y7234** Module 7.2: stop year

**Description:** Year of the stop date for the data collection for Module 7.2.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V7235** Outcome of the module

**Description:** Result code of Module 7.2. Code 3 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** All responsible farmers that cultivated beans

**Value set:**

1 COMPLETED

2 MODULE RESPONDENT NOT AT HOME

3 POSTPONED/UNAVAILABLE

4 REFUSED

5 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

**V7236** Interviewer number for Module 7.2

**Description:** Identification code for the interviewer assigned to Module 7.2, unique for each interviewer participating in fieldwork.

**Base:** All responsible farmers that cultivated beans

**Value set:** 11:909

**Value type:** numeric

# Module 7.3 (MOD\_73): Agricultural Technologies - Coffee

**V7300H** Module 7.3: start hour

**Description:** Time of the start of the data collection for Module 7.3, collected in a 24‑hour format.

**Base:** All completed households that cultivated coffee in the past year

**Value set:** 0:23

**Value type:** numeric

**V7300M** Module 7.3: start minute

**Description:** Time of the start of the data collection for Module 7.3, collected in a 24‑hour format.

**Base:** All completed households that cultivated coffee in the past year

**Value set:** 0:59

**Value type:** numeric

**D7300** Module 7.3: start day

**Description:** Day of the start date for data collection for Module 7.3.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M7300**  Module 7.3: start month

**Description:** Month of the start date for data collection for Module 7.3.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y7300**  Module 7.3: start year

**Description:** Year of the start date for the data collection for Module 7.3.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V7300C** Line number of respondent Module 7.3

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 7.3.

**Base:** All completed households that cultivated coffee in the past year

**Value set:** 1:50

**Value type:** numeric

**V7300D** Consent obtained

**Description:** Whether the respondent to Module 7.3 has agreed to be interviewed and included in the survey. If the respondent has not agreed, the interview may not continue.

**Base:** All completed households that cultivated coffee in the past year

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7300E** Plots responsible for

**Description:** Which plots in the household that the respondent is mainly responsible for coffee – determined from the farmer’s plot map. Automatically filled in CAPI.

**Base:** All responsible farmers that cultivated coffee in the past year

**Value set:**

A PLOT 1

B PLOT 2

C PLOT 3

D PLOT 4

E PLOT 5

F PLOT 6

G PLOT 7

H PLOT 8

**Value type:** string

**V7301** Acquired coffee seedlings in past year

**Description:** Whether the household acquired seedlings for coffee trees in the past year.

**Question text:** Did you acquire seedlings in the past year?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V7302** Main source of coffee seedlings

**Description:** Main source of seed used in cultivation of coffee.

**Question text:** What was your main source of coffee seedlings in the past year?

**Base:** All completed households that acquired coffee seedlings (V7301 <> 2)

**Value set:**

1 FROM FRIEND/RELATIVE

2 OWN NURSERY

3 LOCAL NURSERY

4 AG EXTENSION/GOVT INSTITUTION

6 OTHER

8 DON’T KNOW

**Value type:** numeric

**V7303** Coffee nursery certified

**Description:** Whether the local nursery where coffee seedlings were purchased by the household is registered or certified.

**Question text:** Was the nursery where you purchased the coffee seedlings a registered or certified nursery?

**Base:** All completed households that got their seedlings from a local nursery (V7302 in 2,3)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V7304** Decisionmaker for purchasing new coffee seedlings

**Description:** The main decisionmaker regarding decisions about whether to purchase new coffee seedlings. Multiple responses are allowed.

**Question text:** When decisions are made regarding whether or not to purchase new coffee seedlings, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated coffee

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7304A** Decisionmaker for purchasing new coffee seedlings - self

**Description:** The main decisionmaker regarding decisions about whether to purchase new coffee seedlings is the respondent.

**Base:** All responsible farmers that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7304B** Decisionmaker for purchasing new coffee seedlings – partner/spouse

**Description:** The main decisionmaker regarding decisions about whether to purchase new coffee seedlings is the partner/spouse of the respondent.

**Base:** All responsible farmers that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7304C** Decisionmaker for purchasing new coffee seedlings – other HH member

**Description:** The main decisionmaker regarding decisions about whether to purchase new coffee seedlings is another household member.

**Base:** All responsible farmers that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7304D** Decisionmaker for purchasing new coffee seedlings – other non-HH member

**Description:** The main decisionmaker regarding decisions about whether to purchase new coffee seedlings is another non-household member.

**Base:** All responsible farmers that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7305** Applied fertilizer to coffee

**Description:** Whether the household used fertilizer to cultivate its coffee.

**Question text:** Did you apply fertilizer to the coffee in the past year?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7306** When applied fertilizer to coffee

**Description:** Times during cultivation of coffee that fertilizer was applied to the trees. Because the potential answers are varied, interviewers type in directly the exact answer given by respondents, which is then categorized post-data collection. Final answer categories will vary by survey.

**Question text:** At which times did you apply fertilizer to the coffee trees?

**Base:** All completed households that cultivated coffee and used fertilizer (V7305 = 1)

**Value set:**

X SPECIFY

**Value type:** string

**V7307** Type of fertilizer used on coffee

**Description:** Among households that used fertilizer, the type of fertilizer used to cultivate coffee. Multiple responses are allowed.

**Question text:** What type of fertilizer did you use?

**Base:** All completed households that cultivated coffee and used fertilizer (V7305 = 1)

**Value set:**

A SOIL-BASED ORGANIC

B SOIL-BASED INORGANIC

C FOLIAR FEEDS ORGANIC

D FOLIAR FEEDS INORGANIC

X OTHER

**Value type:** string

**V7307A1** Type of fertilizer used on coffee – soil based organic

**Description:** Whether soil-based organic fertilizer was used to cultivate coffee.

**Base:** All responsible farmers that cultivated coffee using fertilizer (V7305 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7307B1** Type of fertilizer used on coffee – soil based inorganic

**Description:** Whether soil-based inorganic fertilizer was used to cultivate coffee.

**Base:** All responsible farmers that cultivated coffee using fertilizer (V7305 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7307C1** Type of fertilizer used on coffee – foliar feeds organic

**Description:** Whether foliar feeds organic were used to cultivate coffee.

**Base:** All responsible farmers that cultivated coffee using fertilizer (V7305 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7307D1** Type of fertilizer used on coffee – foliar feeds inorganic

**Description:** Whether foliar feeds inorganic were used to cultivate coffee.

**Base:** All responsible farmers that cultivated coffee using fertilizer (V7305 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7307X1** Type of fertilizer used on coffee - other

**Description:** Whether some other fertilizer was used to cultivate coffee.

**Base:** All responsible farmers that cultivated coffee using fertilizer (V7305 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7307A** Name of fertilizer used on coffee

**Description:** Brand of fertilizer that was used to cultivate coffee trees in the past year.

**Question text:** What is the name of the fertilizer you mainly used for your coffee in the past year?

**Base:** All responsible farmers that cultivated coffee using fertilizer (V7305 = 1)

**Value set:**

1 FERTILIZER 1

2 FERTILIZER 2

3 FERTILIZER 3

96 OTHER

98 DON’T KNOW

**Value type:** numeric

**V7307B1** Nitrogen component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate coffee in the past year.

**Question text:** What was the ratio of nitrogen, phosphate, and potassium in the fertilizer you mainly used for your coffee in the past year?

**Base:** All responsible farmers that cultivated coffee using fertilizer (V7305 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7307B2** Phosphate component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate coffee in the past year.

**Base:** All responsible farmers that cultivated coffee using fertilizer (V7305 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7307B3** Potassium component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate coffee in the past year.

**Base:** All responsible farmers that cultivated coffee using fertilizer (V7305 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7307C** Applied animal manure to coffee

**Description:** Whether the respondent applied animal manure to coffee.

**Question text:** Did you apply animal manure to your coffee fields in the past year?

**Base:** All responsible farmers that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7307D** Method for applying animal manure to coffee

**Description:** For fields where animal manure was applied to the coffee, the method used to apply the manure.

**Question text:** How was animal manure applied to your coffee fields?

**Base:** All responsible farmers that cultivated coffee using animal manure (V307C = 1)

**Value set:**

1 MANURE APPLIED TO FIELD BY HAND

2 MANURE APPLIED TO FIELD WITH MACHINE

6 OTHER

**Value type:** numeric

**V7307E** Source of animal manure for coffee

**Description:** For fields where animal manure was applied to the coffee, the source of the animal manure.

**Question text:** Where did you get the manure you applied to your coffee fields?

**Base:** All responsible farmers that cultivated coffee using fertilizer (V307C = 1)

**Value set:**

1 PRODUCED BY OWN ANIMALS

2 GIVEN BY FAMILY/FRIEND/NEIGHBOR FARM

3 PURCHASED FROM MARKET/TRADER

**Value type:** numeric

**V7307F** Decisionmaker for using fertilizer on coffee

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s coffee.

**Question text:** When decisions are made regarding whether or not to use fertilizer for your coffee, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated coffee

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7307FA** Decisionmaker for using fertilizer on coffee - self

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s coffee was the respondent.

**Base:** All responsible farmers that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7307FB** Decisionmaker for using fertilizer on coffee – partner/spouse

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s coffee was the respondent’s partner/spouse.

**Base:** All responsible farmers that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7307FC** Decisionmaker for using fertilizer on coffee – other household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s coffee was another household member.

**Base:** All responsible farmers that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7307FD** Decisionmaker for using fertilizer on coffee – other non-household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s coffee was another non-household member.

**Base:** All responsible farmers that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7308** Trained on using fertilizer for coffee

**Description:** Whether the household has been trained to use fertilizer on coffee trees.

**Question text:** Have you been trained in how to use fertilizer for coffee trees?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7308A** Prune coffee trees

**Description:** Whether the household prunes its coffee trees.

**Question text:** Do you prune your coffee trees?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7308B** Frequency of pruning coffee trees

**Description:** Frequency of household’s pruning its coffee trees.

**Question text:** How often do you prune your coffee trees?

**Base:** All completed households that cultivated coffee and prune trees (V7308A = 1)

**Value set:**

1 ONCE A YEAR

2 ONCE EVERY TWO YEARS

3 ONCE EVERY THREE YEARS

4 LESS FREQUENTLY

**Value type:** numeric

**V7308C** Coffee trees are natural forest or plantation

**Description:** Type of fields of coffee trees that the household cultivates – natural or plantation.

**Question text:** Are your coffee trees grown as part of a natural forest, or are they grown on a plantation?

**Base:** All completed households that cultivated coffee and prune trees (V7308A = 1)

**Value set:**

1 NATURAL FOREST

2 PLANTATION

**Value type:** numeric

**V7309** Insect, rodent, disease attacks on coffee

**Description:** Whether the coffee trees were attacked by any insects, rodents, or other diseases in the past year.

**Question text:** Did you have any insect, rodent, or disease attacks on your coffee trees in the past year?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7310** Used chemicals to control attacks on coffee

**Description:** Whether the household used any chemicals to control attacks on the coffee trees by insects, rodents, or diseases in the past year.

**Question text:** Did you use chemicals to control insect, rodent, or disease attacks on your coffee trees?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7311** Chemical use preventive or reactive

**Description:** Whether household that used chemicals to control attacks on its coffee trees by insects, rodents, or other diseases in the past year did so as a preventive action or in response to an attack.

**Question text:** Was the use of chemicals preventive, or was it in response to an insect, rodent, or disease attack?

**Base:** All completed households that cultivated coffee and used chemicals to control attacks on crops (V7310 = 1)

**Value set:**

1 PREVENTIVE/ROUTINE

2 RESPONSE TO ATTACK

**Value type:** numeric

**V7312** Trained to apply pesticides for coffee

**Description:** Whether the household has been trained to use pesticides in cultivating coffee.

**Question text:** Have you been trained on when to use and how to apply pesticides for coffee trees?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7313** Number of times controlled weeds in coffee

**Description:** Number of times the household had to control weeds in its coffee trees in the past year. If the household did not control any weeds, the interviewer uses code 00.

**Question text:** How many times did you control weeds among your coffee trees in the past year?

**Base:** All completed households that cultivated coffee

**Value set:**

1:20

00 NONE

**Value type:** numeric

**V7314** Method of controlling weeds in coffee

**Description:** Method used to control weeds among the coffee trees. Multiple responses are allowed.

**Question text:** How did you control the weeds among your coffee trees?

**Base:** All completed households that cultivated coffee and controlled weeds at least once (V7313 > 0)

**Value set:**

A HOE

B HERBICIDE

C MULCHING

D INTERCROPPING

E SLASHING

F PULL BY HAND

**Value type:** string

**V7314A** Method of controlling weeds in coffee - hoe

**Description:** Whether a hoe was used by household for controlling weeds among coffee trees.

**Base:** All completed households that cultivated coffee and controlled weeds at least once (V7313 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7314B** Method of controlling weeds in coffee - herbicide

**Description:** Whether herbicide was used by household for controlling weeds among coffee trees.

**Base:** All completed households that cultivated coffee and controlled weeds at least once (V7313 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7314C** Method of controlling weeds in coffee - mulching

**Description:** Whether mulching was used by household for controlling weeds among coffee trees.

**Base:** All completed households that cultivated coffee and controlled weeds at least once (V7313 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7314D** Method of controlling weeds in coffee - intercropping

**Description:** Whether intercropping was used by household for controlling weeds among coffee trees.

**Base:** All completed households that cultivated coffee and controlled weeds at least once (V7313 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7314E** Method of controlling weeds in coffee - slashing

**Description:** Whether slashing was used by household for controlling weeds among coffee trees.

**Base:** All completed households that cultivated coffee and controlled weeds at least once (V7313 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7314F** Method of controlling weeds in coffee – pull by hand

**Description:** Whether the household controlled weeds by pulling by hand among coffee trees.

**Base:** All completed households that cultivated coffee and controlled weeds at least once (V7313 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7315** Trained on using herbicides for coffee

**Description:** Whether the household has been trained on using herbicides in its cultivation of coffee.

**Question text:** Have you been trained in when to use and how to apply herbicides for coffee trees?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7316A** In the past year, managed soil and water for coffee using contouring

**Description:** Whether the household used contouring for managing the soil and water for cultivating coffee.

**Question text:** In the past year, did you use any of the following techniques to manage soil and water for your bean crop? Contouring?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7316B** In the past year, managed soil and water for coffee using mulching

**Description:** Whether the household used mulching for managing the soil and water for cultivating coffee.

**Question text:** Mulching?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7316C** In the past year, managed soil and water for coffee using intercropping

**Description:** Whether the household used intercropping for managing the soil and water for cultivating coffee.

**Question text:** Intercropping?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7316D** In the past year, managed soil and water for coffee using cultivation under shade trees

**Description:** Whether the household cultivated coffee under shade trees for managing the soil and water for cultivating coffee.

**Question text:** Cultivation under shade trees?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7316E** In the past year, managed soil and water for coffee by adding lime to the soil

**Description:** Whether the household added lime to the soil for managing the soil and water for cultivating coffee.

**Question text:** Adding lime to the soil?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7316X** In the past year, managed soil and water for coffee using some other technique

**Description:** Whether the household used any other technique for managing the soil and water for cultivating coffee.

**Question text:** Some other technique? What was the technique?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7316AA** Decisionmaker for planting other crops with coffee trees

**Description:** Most common decisionmaker regarding whether to plant other crops with the household’s coffee. Multiple responses are allowed.

**Question text:** When decisions are made regarding whether or not to plant other crops with for your coffee, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated coffee

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7316AAA** Decisionmaker for planting other crops with coffee trees - self

**Description:** Most common decisionmaker regarding whether to plant other crops with the household’s coffee was the respondent.

**Base:** All responsible farmers that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7316AAB** Decisionmaker for planting other crops with coffee trees – partner/spouse

**Description:** Most common decisionmaker regarding whether to plant other crops with the household’s coffee was the respondent’s partner/spouse.

**Base:** All responsible farmers that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7316AAC** Decisionmaker for planting other crops with coffee trees – other household member

**Description:** Most common decisionmaker regarding whether to plant other crops with the household’s coffee was another household member.

**Base:** All responsible farmers that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7316AAD** Decisionmaker for planting other crops with coffee trees – other non-household member

**Description:** Most common decisionmaker regarding whether to plant other crops with the household’s coffee was another non-household member.

**Base:** All responsible farmers that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7317** Method for separating coffee bean from fruit pulp/skin

**Description:** Household’s method for separating the coffee beans from their fruit pulp and skin if applicable.

**Question text:** How do you separate the coffee bean from the fruit pulp and skin? Do you use a washing process or a drying process?

**Base:** All completed households that cultivated coffee

**Value set:**

1 WASHING

2 DRYING

3 DOESN’T SEPARATE BEAN FROM FRUIT

**Value type:** numeric

**V7317A** Location of washing coffee beans

**Description:** Household’s location for washing the coffee beans.

**Question text:** Where are your coffee beans washed?

**Base:** All completed households that separated the beans from fruit/pulp using a washing process (V7317 = 1)

**Value set:**

1 ON FARM

2 AT COOPERATIVE

6 OTHER

**Value type:** numeric

**V7318** What coffee was dried on

**Description:** Surface that coffee was dried on before use. Multiple responses are allowed.

**Question text:** What did you dry the coffee on?

**Base:** All completed households that separated the beans from fruit/pulp using a drying process (V7317 = 2)

**Value set:**

A BARE GROUND

B GROUND PLASTERED WITH COW DUNG

C LEFT TO DRY ON PLANT IN FIELD

D TARPAULINS

E DRYING YARD WITH CEMENTED GROUND

F DRYING RACKS

G SOLAR DRYERS

H MECHANIZED DRYERS

X OTHER

**Value type:** string

**V7318A1** What coffee was dried on – bare ground

**Description:** For households that dried their coffee, whether the coffee was dried on bare ground.

**Base:** All completed households that separated the beans from fruit/pulp using a drying process (V7317 = 2)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7318B1** What coffee was dried on – ground plastered with cow dung

**Description:** For households that dried their coffee, whether the coffee was dried on ground plastered with cow dung.

**Base:** All completed households that separated the beans from fruit/pulp using a drying process (V7317 = 2)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7318C1** What coffee was dried on – plants in field

**Description:** For households that dried their coffee, whether the coffee was dried on plants in field.

**Base:** All completed households that separated the beans from fruit/pulp using a drying process (V7317 = 2)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7318D1** What coffee was dried on - tarpaulins

**Description:** For households that dried their coffee, whether the coffee was dried on tarpaulins.

**Base:** All completed households that separated the beans from fruit/pulp using a drying process (V7317 = 2)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7318E1** What coffee was dried on – drying yard with cemented ground

**Description:** For households that dried their coffee, whether the coffee was dried on drying yard.

**Base:** All completed households that separated the beans from fruit/pulp using a drying process (V7317 = 2)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7318F1** What coffee was dried on – drying racks

**Description:** For households that dried their coffee, whether the coffee was dried on drying racks.

**Base:** All completed households that separated the beans from fruit/pulp using a drying process (V7317 = 2)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7318G1** What coffee was dried on – solar dryers

**Description:** For households that dried their coffee, whether the coffee was dried on solar dryers.

**Base:** All completed households that separated the beans from fruit/pulp using a drying process (V7317 = 2)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7318H1** What coffee was dried on – mechanized dryers

**Description:** For households that dried their coffee, whether the coffee was dried on mechanized dryers.

**Base:** All completed households that separated the beans from fruit/pulp using a drying process (V7317 = 2)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7318X1** What coffee was dried on - other

**Description:** For households that dried their coffee, whether the coffee was dried on some other surface.

**Base:** All completed households that separated the beans from fruit/pulp using a drying process (V7317 = 2)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7318A** Used fruit pulp/skins from coffee berries

**Description:** Whether the household used the fruit pulp/skins from the coffee berries after processing the beans.

**Question text:** After processing your coffee beans, did you do anything with the fruit pulp and skins from your coffee beans?

**Base:** All completed households that separated the beans from fruit (V7317 <> 3)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7318B** Use for fruit pulp/skins from coffee berries

**Description:** Household’s use for the fruit pulp/skins from the coffee berries after processing the beans.

**Question text:** What did you do with the fruit pulp and skins from your coffee beans?

**Base:** All completed households that separated the beans from fruit and made use of the fruit (V7318A = 1)

**Value set:**

A USED AS COMPOST/MULCH

B FED TO OWN ANIMALS

C SOLD/TRADED WITH OTHERS AS ANIMAL FEED

D MAKE A TEA BEVERAGE WITH IT

X OTHER

**Value type:** string

**V7318BA** Use for fruit pulp/skins from coffee berries – used as compost/mulch

**Description:** Household used for the fruit pulp/skins from the coffee berries after processing the beans for compost/mulch.

**Base:** All completed households that separated the beans from fruit and made use of the fruit (V7318A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7318BB** Use for fruit pulp/skins from coffee berries – fed to own animals

**Description:** Household used for the fruit pulp/skins from the coffee berries after processing the beans for food for own animals.

**Base:** All completed households that separated the beans from fruit and made use of the fruit (V7318A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7318BC** Use for fruit pulp/skins from coffee berries – sold/traded with others as animal feed

**Description:** Household used for the fruit pulp/skins from the coffee berries after processing the beans for selling/trading with others as animal feed.

**Base:** All completed households that separated the beans from fruit and made use of the fruit (V7318A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7318BD** Use for fruit pulp/skins from coffee berries – make a tea beverage with it

**Description:** Household used for the fruit pulp/skins from the coffee berries after processing the beans for a tea beverage.

**Base:** All completed households that separated the beans from fruit and made use of the fruit (V7318A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7318BX** Use for fruit pulp/skins from coffee berries - other

**Description:** Household used for the fruit pulp/skins from the coffee berries after processing the beans for another use.

**Base:** All completed households that separated the beans from fruit and made use of the fruit (V7318A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7319** Coffee bagged for storage/transport

**Description:** Whether the coffee was stored in bags after harvesting for either storage or transport, or both.

**Question text:** Did you put the coffee in bags after harvest for storage or transport?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7320** Type of storage bag used for coffee

**Description:** For households that bagged their coffee, the type of storage bag that the household used.

**Question text:** What type of storage bag did you use for the coffee?

**Base:** All completed households that cultivated coffee and used bags for storage (V7319 = 1)

**Value set:**

A WOVEN BAG, SINGLE LAYER

B TWO- OR THREE-LAYERED WOVEN BAGS

C HERMETIC BAG

**Value type:** string

**V7320A** Type of storage bag used for coffee – woven bag, single layer

**Description:** For households that bagged their coffee, the household used woven bag, single layer.

**Base:** All responsible farmers that cultivated coffee and bagged for storage (V7319 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7320B** Type of storage bag used for coffee – two- or three-layered woven bags

**Description:** For households that bagged their coffee, the household used two- or three-layered woven bags.

**Base:** All responsible farmers that cultivated coffee and bagged for storage (V7319 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7320C** Type of storage bag used for coffee – hermetic bag

**Description:** For households that bagged their coffee, the household used hermetic bag.

**Base:** All responsible farmers that cultivated coffee and bagged for storage (V7319 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7321A** Stored coffee in residential house

**Description:** Whether the household stored its coffee in a residential house.

**Question text:** Did you use any of the following storage locations to store the coffee? Residential house?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7321B** Stored coffee in storage unit in home lot

**Description:** Whether the household stored its coffee in a home lot storage unit.

**Question text:** A storage unit in your home lot?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7321C** Stored coffee in granaries

**Description:** Whether the household stored its coffee in granaries.

**Question text:** Granaries?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7321D** Stored coffee in other constructed stores

**Description:** Whether the household stored its coffee in other constructed stores.

**Question text:** Other constructed stores?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7321E** Stored coffee in warehouses

**Description:** Whether the household stored its coffee in warehouses.

**Question text:** Warehouses?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7321X** Stored coffee in other locations

**Description:** Whether the household stored its coffee in other locations.

**Question text:** Some other type of location? What was the storage location you used?

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7321AA** Any type of storage used filter

**Description:** Whether the household used at least one type of storage location to store the coffee. Automatic check in CAPI data collection.

**Base:** All completed households that cultivated coffee

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7322** Coffee attacked by insects, rodents, disease

**Description:** Whether the household’s coffee was attacked by insects, rodents, or diseases while being stored.

**Question text:** Was your coffee attacked by insects, rodents, or disease while in storage?

**Base:** All completed households that cultivated coffee and stored it before use (at least one of V7321A-X = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7323** Coffee used food and/or market

**Description:** Whether the coffee cultivated in the past year was for household food, sale in markets, or both.

**Question text:** Did you grow your coffee crop to be consumed by your household? To be sold or traded in the market? Both for home consumption and for the market?

**Base:** All completed households that cultivated coffee

**Value set:**

1 GROWN FOR HOME CONSUMPTION ONLY

2 GROWN FOR MARKET ONLY

3 GROWN FOR BOTH HOME & MARKET

6 OTHER

**Value type:** numeric

**V7324** Buyer of coffee harvest

**Description:** For households that sold their coffee, the main buyer of the coffee supply.

**Question text:** To whom do you sell your coffee harvest?

**Base:** All completed households that sold their coffee (V7323 <> 1)

**Value set:**

1 LOCAL MARKET

2 COFFEE COOPERATIVE

3 TRADER/OFFTAKER

4 SMALL LOCAL COFFEE COMPANY

5 SMALL FOREIGN COFFEE COMPANY

6 LARGE FOREIGN COFFEE COMPANY

96 OTHER

**Value type:** numeric

**V7324A** Have a contract with a buyer for coffee harvest

**Description:** For households that sold their coffee, whether they have a contract with the buyer for the coffee harvest.

**Question text:** Do you have a contract with a buyer for your coffee harvest?

**Base:** All completed households that sold their coffee (V7323 <> 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7325** Source of information for coffee crop success

**Description:** Main source of information the respondent relies on to help grow his or her coffee crops well.

**Question text:** What information source do you rely on the most to help you grow your coffee crop well?

**Base:** All responsible farmers that cultivated coffee

**Value set:**

1 FRIEND/NEIGHBOR

2 AGRO-INPUT DEALER

3 AG EXTENSION WORKER

4 SCHOOL

5 RADIO PROGRAM

6 TELEVISION

7 MOBILE PHONE MESSAGING

8 INTERNET

96 OTHER

**Value type:** numeric

**V7326H** Module 7.3: stop hour

**Description:** Time of the stop of the data collection for Module 7.3, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated coffee

**Value set:** 0:23

**Value type:** numeric

**V7326M** Module 7.3: stop minute

**Description:** Time of the stop of the data collection for Module 7.3, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated coffee

**Value set:** 0:59

**Value type:** numeric

**D7326** Module 7.3: stop day

**Description:** Day of the stop date for data collection for Module 7.3.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M7326** Module 7.3: stop month

**Description:** Month of the stop date for data collection for Module 7.3.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y7326** Module 7.3: stop year

**Description:** Year of the stop date for the data collection for Module 7.3.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V7327** Outcome of the module

**Description:** Result code of Module 7.3. Code 3 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** All responsible farmers that cultivated coffee

**Value set:**

1 COMPLETED

2 MODULE RESPONDENT NOT AT HOME

3 POSTPONED/UNAVAILABLE

4 REFUSED

5 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

**V7328** Interviewer number for Module 7.3

**Description:** Identification code for the interviewer assigned to Module 7.3, unique for each interviewer participating in fieldwork.

**Base:** All responsible farmers that cultivated coffee

**Value set:** 11:909

**Value type:** numeric

# Module 7.4 (MOD\_74): Agricultural Technologies - Groundnut

**V7400AH** Module 7.4: start hour

**Description:** Time of the start of the data collection for Module 7.4, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:** 0:23

**Value type:** numeric

**V7400AM** Module 7.4: start minute

**Description:** Time of the start of the data collection for Module 7.4, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:** 0:59

**Value type:** numeric

**D7400** Module 7.4: start day

**Description:** Day of the start date for data collection for Module 7.4.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M7400**  Module 7.4: start month

**Description:** Month of the start date for data collection for Module 7.4.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y7400**  Module 7.4: start year

**Description:** Year of the start date for the data collection for Module 7.4.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V7400C** Line number of respondent Module 7.4

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 7.4.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:** 1:50

**Value type:** numeric

**V7400D** Consent obtained

**Description:** Whether the respondent to Module 7.4 has agreed to be interviewed and included in the survey. If the respondent has not agreed, the interview may not continue.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7400E** Plots responsible for

**Description:** Which plots in the household that the respondent is mainly responsible for groundnut – determined from the farmer’s plot map. Automatically filled in CAPI.

**Base:** All responsible farmers that cultivated groundnuts in the past year

**Value set:**

A PLOT 1

B PLOT 2

C PLOT 3

D PLOT 4

E PLOT 5

F PLOT 6

G PLOT 7

H PLOT 8

**Value type:** string

**V7401** Type of land preparation for groundnuts

**Description:** Type of land preparation that was used for cultivating groundnuts in the past year. Multiple responses are allowed.

**Question text:** What kind of land preparation did you use for the groundnuts you planted in the past year?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

A NONE

B ZERO TILLAGE

C PLOUGHING

X OTHER

**Value type:** string

**V7401A** Type of land preparation for groundnuts - none

**Description:** Whether no land preparation was used for cultivating groundnuts in the past year.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7401B** Type of land preparation for groundnuts – zero tillage

**Description:** Whether zero tillage land preparation was used for cultivating groundnuts in the past year.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7401C** Type of land preparation for groundnuts - ploughing

**Description:** Whether ploughing land preparation was used for cultivating groundnuts in the past year.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7401X** Type of land preparation for groundnuts - other

**Description:** Whether some other land preparation was used for cultivating groundnuts in the past year.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7402** Zero tillage used for groundnuts filter

**Description:** Whether the response to V7401 included the zero tillage method. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated groundnuts using land preparation (V7401 in B,C,X)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7403** Type of zero tillage used for groundnuts

**Description:** Type of zero tillage method used for cultivating groundnuts. Multiple responses are allowed.

**Question text:** What kind of zero tillage system did you use on the land where you planted groundnuts?

**Base:** All responsible farmers that cultivated groundnuts using zero tillage   
(B in V7401)

**Value set:**

A SLASH AND PLANT

B BURN AND PLANT

C HERBICIDE AND PLANT

X OTHER

**Value type:** string

**V7403A** Type of zero tillage used for groundnuts – slash and plant

**Description:** Whether the slash and plant method of zero tillage was used for cultivating groundnuts.

**Base:** All responsible farmers that cultivated groundnuts using zero tillage   
(B in V7401)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7403B** Type of zero tillage used for groundnuts – burn and plant

**Description:** Whether the burn and plant method of zero tillage was used for cultivating groundnuts.

**Base:** All responsible farmers that cultivated groundnuts using zero tillage   
(B in V7401)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7403C** Type of zero tillage used for groundnuts – herbicide and plant

**Description:** Whether the herbicide and plant method of zero tillage was used for cultivating groundnuts.

**Base:** All responsible farmers that cultivated groundnuts using zero tillage   
(B in V7401)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7403X** Type of zero tillage used for groundnuts - other

**Description:** Whether some other method of zero tillage was used for cultivating groundnuts.

**Base:** All responsible farmers that cultivated groundnuts using zero tillage   
(B in V7401)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7404** Ploughing methods used for groundnuts filter

**Description:** Whether the response to V7401 included the ploughing method. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated groundnuts using land preparation (V7401 in B,C,X)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7405** Method used for ploughing for groundnuts

**Description:** Type of ploughing method used for cultivating groundnuts. Multiple responses are allowed.

**Question text:** What did you use for ploughing the land where you planted groundnuts?

**Base:** All responsible farmers that cultivated groundnuts using ploughing   
(C in V7401)

**Value set:**

A HAND TILLAGE (HOE)

B ANIMAL TRACTION

C MOTORIZED TILLER

D TRACTOR

X OTHER

**Value type:** string

**V7405A** Method used for ploughing for groundnuts – hand tillage (hoe)

**Description:** Whether hand tillage (hoe) ploughing was used for cultivating groundnuts.

**Base:** All responsible farmers that cultivated groundnuts using ploughing   
(C in V7401)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7405B** Method used for ploughing for groundnuts – animal traction

**Description:** Whether animal traction ploughing was used for cultivating groundnuts.

**Base:** All responsible farmers that cultivated groundnuts using ploughing   
(C in V7401)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7405C** Method used for ploughing for groundnuts – motorized tiller

**Description:** Whether motorized tiller ploughing was used for cultivating groundnuts.

**Base:** All responsible farmers that cultivated groundnuts using ploughing   
(C in V7401)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7405D** Method used for ploughing for groundnuts – tractor

**Description:** Whether tractor ploughing was used for cultivating groundnuts.

**Base:** All responsible farmers that cultivated groundnuts using ploughing   
(C in V7401)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7405X** Method used for ploughing for groundnuts - other

**Description:** Whether some other method of ploughing was used for cultivating groundnuts.

**Base:** All responsible farmers that cultivated groundnuts using ploughing   
(C in V7401)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7406** Main source of groundnut seed

**Description:** Main source of seed used in cultivation of groundnuts.

**Question text:** What was your main source of groundnut seed?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 OWN SAVED SEED, SEED FROM FRIEND/RELATIVE (NOT PURCHASED)

2 BOUGHT FROM FRIEND/RELATIVE

3 BOUGHT IN MARKET

4 BOUGHT FROM AG DEALER WITH CASH

5 BOUGHT FROM AG DEALER WITH VOUCHER

6 AID DISTRIBUTION

96 OTHER

**Value type:** numeric

**V7407** Type of groundnut seed planted

**Description:** Type of groundnut seed that the household planted in the past year.

**Question text:** What type of groundnut seed did you plant in the past year?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

A UNIMPROVED LOCAL VARIETIES

B IMPROVED VARIETIES

Y DON’T KNOW

**Value type:** string

**V7407A1** Type of groundnut seed planted – unimproved local varieties

**Description:** Unimproved local varieties of groundnut seed planted in the past year by the household.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7407B1** Type of groundnut seed planted – improved varieties

**Description:** Improved varieties of groundnut seed planted in the past year by the household.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7407Y1** Type of groundnut seed planted – don’t know

**Description:** Do not know type of groundnut seed planted in the past year by the household.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7407X** More than one type of seed planted filter

**Description:** Filter for determining if more than one type of groundnut seed was planted by the household. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7407AA** Groundnut seed traditional/local or modern/improved

**Description:** For respondents that planted more than one type of seed, the mix of the seed between traditional/local and modern/improved.

**Question text:** Would you say that most of the groundnut seed you planted was traditional, local seed, or was it modern, improved seed?

**Base:** All responsible farmers that cultivated groundnuts using more than one type of seed

**Value set:**

1 MOSTLY TRADITIONAL/LOCAL SEED

2 MOSTLY MODERN/IMPROVED SEED

3 HALF TRADITIONAL/HALF IMPROVED

8 DON’T KNOW

**Value type:** numeric

**V7407B** Decisionmaker for kind of groundnut seed planted

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant. Multiple responses are allowed.

**Question text:** When decisions are made regarding what kind of groundnut seed to plant, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7407BA** Decisionmaker for kind of groundnut seed planted - self

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is the respondent.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7407BB** Decisionmaker for kind of groundnut seed planted – partner/spouse

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is the partner/spouse of the respondent.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7407BC** Decisionmaker for kind of groundnut seed planted – other HH member

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is another household member.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7407BD** Decisionmaker for kind of groundnut seed planted – other non-HH member

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is another non-household member.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7408** Groundnuts used food and/or market

**Description:** Whether the household grew groundnuts for household food, sale in the market, or both.

**Question text:** Did you grow your groundnut crop: To provide food for the household? To be sold or traded in the market? Both for food and for the market?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 GROWN FOR FOOD ONLY

2 GROWN FOR MARKET ONLY

3 GROWN FOR BOTH FOOD & MARKET

6 OTHER

**Value type:** numeric

**V7409** Planting method for groundnuts – scatter method

**Description:** Method that the household used to plant its groundnuts.

**Question text:** Some farmers plant groundnut seeds in rows, and some randomly broadcast their groundnut seeds. How did you plant your groundnut seeds?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 IN ROWS

2 RANDOMLY BROADCAST

3 SOME IN ROWS AND SOME RANDOMLY BROADCAST

**Value type:** numeric

**V7409A** Planting method for groundnuts – crop mixing

**Description:** Whether the groundnuts were planted with other crops.

**Question text:** Some farmers plant groundnut seeds alone and some plant their groundnut seeds along with other crops growing in the same plot. How did you plant your groundnut seed?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 ALONE

2 WITH OTHER CROPS

3 SOME ALONE AND SOME WITH OTHER CROPS

**Value type:** numeric

**V7409B** Crops planted together with groundnuts

**Description:** If the groundnuts were planted with other crops in the same plot in the past year, names of those crops.

**Question text:** What other crops did you plant in the same plot with the groundnuts?

**Base:** All responsible farmers that cultivated groundnuts in plots with other crops (V7409A <> 1)

**Value set:**

X Enter first crop planted

Y Enter second crop planted

Z Enter third crop planted

**Value type:** string

**V7410** Rotate groundnuts with another crop

**Description:** Whether the household rotated its groundnut crops with another type of crop during the previous season.

**Question text:** Over the past two planting seasons, did you rotate groundnuts with another crop planted in the same plot area?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO, PLANTED GROUNDNUT CONTINUOUSLY

3 NO, LEFT PLOT FALLOW

8 DON’T KNOW

**Value type:** numeric

**V7410A** Crops planted previous season

**Description:** List of other crops planted in plot previous season.

**Question text:** What was cultivated in the plot in the season before you planted the groundnuts?

**Base:** All responsible farmers that cultivated groundnuts and rotated them the previous season (V7410 = 1)

**Value set:**

X Enter first crop planted

Y Enter second crop planted

Z Enter third crop planted

**Value type:** string

**V7410B** Crops to plant next season

**Description:** List of other crops to be planted in next growing season.

**Question text:** What do you plan to cultivate next season in the plot where you are currently growing common groundnuts?

**Base:** All responsible farmers that cultivated groundnuts and rotated them the previous season (V7410 = 1)

**Value set:**

A Enter first crop to plant

B Enter second crop to plant

C Enter third crop to plant

X PLAN TO LEAVE FALLOW

Y DON’T KNOW

**Value type:** string

**V7411** Applied fertilizer to groundnuts

**Description:** Whether the household used fertilizer to cultivate its groundnut crops.

**Question text:** Did you apply fertilizer to the groundnuts in the past year?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7411A** When applied fertilizer to groundnuts

**Description:** Time during cultivation that the household used fertilizer. Multiple responses are allowed.

**Question text:** At which times did you apply fertilizer to the groundnuts?

**Base:** All responsible farmers that cultivated groundnuts using fertilizer (V7411 = 1)

**Value set:**

A PLANTING

B EARLY GROWTH STAGE

C MID-CROP

X OTHER

**Value type:** string

**V7411AA** When applied fertilizer to groundnuts - planting

**Description:** Whether the household used fertilizer while planting.

**Base:** All responsible farmers that cultivated groundnuts using fertilizer (V7411 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7411AB** When applied fertilizer to groundnuts – early growth stage

**Description:** Whether the household used fertilizer early growth stage.

**Base:** All responsible farmers that cultivated groundnuts using fertilizer (V7411 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7411AC** When applied fertilizer to groundnuts – mid-crop

**Description:** Whether the household used fertilizer mid-crop.

**Base:** All responsible farmers that cultivated groundnuts using fertilizer   
(V7411 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7411AX** When applied fertilizer to groundnuts - other

**Description:** Whether the household used fertilizer at some other point.

**Base:** All responsible farmers that cultivated groundnuts using fertilizer   
(V7411 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7411B** Type of fertilizer used on groundnuts

**Description:** Type of fertilizer that the household used to cultivate groundnut crops. Multiple responses are allowed.

**Question text:** What type of fertilizer did you use?

**Base:** All responsible farmers that cultivated groundnuts using fertilizer   
(V7411 = 1)

**Value set:**

A SOIL-BASED ORGANIC

B SOIL-BASED INORGANIC

C FOLIAR FEEDS ORGANIC

D FOLIAR FEEDS INORGANIC

X OTHER

**Value type:** string

**V7411BA** Type of fertilizer used on groundnuts – soil-based organic

**Description:** Whether soil-based organic fertilizer was used to cultivate groundnut crops.

**Base:** All responsible farmers that cultivated groundnuts using fertilizer   
(V7411 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7411BB** Type of fertilizer used on groundnuts – soil-based inorganic

**Description:** Whether soil-based inorganic fertilizer was used to cultivate groundnut crops.

**Base:** All responsible farmers that cultivated groundnuts using fertilizer   
(V7411 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7411BC** Type of fertilizer used on groundnuts – foliar feeds organic

**Description:** Whether organic foliar feeds were used to cultivate groundnut crops.

**Base:** All responsible farmers that cultivated groundnuts using fertilizer   
(V7411 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7411BD** Type of fertilizer used on groundnuts – foliar feeds inorganic

**Description:** Whether inorganic foliar feeds were used to cultivate groundnut crops.

**Base:** All responsible farmers that cultivated groundnuts using fertilizer   
(V7411 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7411BX** Type of fertilizer used on groundnuts - other

**Description:** Whether some other fertilizer was used to cultivate groundnut crops.

**Base:** All responsible farmers that cultivated groundnuts using fertilizer   
(V7411 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7411C** Name of fertilizer used on groundnuts

**Description:** Brand of fertilizer that was used to cultivate groundnuts in the past year.

**Question text:** What is the name of the fertilizer you mainly used for your groundnuts in the past year?

**Base:** All responsible farmers that cultivated groundnuts using fertilizer   
(V7411 = 1)

**Value set:**

1 FERTILIZER 1

2 FERTILIZER 2

3 FERTILIZER 3

96 OTHER

98 DON’T KNOW

**Value type:** numeric

**V7411D1** Nitrogen component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate groundnuts in the past year.

**Question text:** What was the ratio of nitrogen, phosphate, and potassium in the fertilizer you mainly used for your groundnuts in the past year?

**Base:** All responsible farmers that cultivated groundnuts using fertilizer   
(V7411 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7411D2** Phosphate component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate groundnuts in the past year.

**Base:** All responsible farmers that cultivated groundnuts using fertilizer   
(V7411 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7411D3** Potassium component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate groundnuts in the past year.

**Base:** All responsible farmers that cultivated groundnuts using fertilizer   
(V7411 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7412A** Applied animal manure to groundnuts

**Description:** Whether the respondent applied animal manure to groundnuts.

**Question text:** Did you apply animal manure to your groundnuts fields in the past year?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7412B** Method for applying animal manure to groundnuts

**Description:** For fields where animal manure was applied to the groundnuts, the method used to apply the manure.

**Question text:** How was animal manure applied to your groundnut fields?

**Base:** All responsible farmers that cultivated groundnuts using animal manure (V7412A = 1)

**Value set:**

1 ANIMALS GRAZE AND LEAVE DUNG ON FIELD

2 MANURE APPLIED TO FIELD BY HAND

3 MANURE APPLIED TO FIELD WITH MACHINE

6 OTHER

**Value type:** numeric

**V7412C** Source of animal manure for groundnuts

**Description:** For fields where animal manure was applied to the groundnuts, the source of the animal manure.

**Question text:** Where did you get the manure you applied to your groundnut fields?

**Base:** All responsible farmers that cultivated groundnuts using fertilizer (V7412A = 1)

**Value set:**

1 PRODUCED BY OWN ANIMALS

2 GIVEN BY FAMILY/FRIEND/NEIGHBOR FARM

3 PURCHASED FROM MARKET/TRADER

**Value type:** numeric

**V7412D** Decisionmaker for using fertilizer on groundnuts

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s groundnuts.

**Question text:** When decisions are made regarding whether to use fertilizer for your groundnuts, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7412DA** Decisionmaker for using fertilizer on groundnuts - self

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s groundnuts was the respondent.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7412DB** Decisionmaker for using fertilizer on groundnuts – partner/spouse

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s groundnuts was the respondent’s partner/spouse.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7412DC** Decisionmaker for using fertilizer on groundnuts – other household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s groundnuts was another household member.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7412DD** Decisionmaker for using fertilizer on groundnuts – other non-household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s groundnuts was another non-household member.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7413** Trained on using inorganic fertilizer for groundnuts

**Description:** Whether the household has been trained on using inorganic fertilizers to cultivate groundnuts.

**Question text:** Inorganic fertilizer is a man-made fertilizer that you can buy in a bag at the shop. Have you been trained on how to use inorganic fertilizer for groundnuts?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7414** Insect, rodent, disease attacks on groundnuts in past year

**Description:** Whether there were attacks on the groundnuts from any insects, rodents, or diseases in the past year.

**Question text:** Did you have any insect, rodents, or disease attacks on your groundnuts in the past year?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7415** Used chemicals to control attacks on groundnuts

**Description:** Whether the household used chemicals to control attacks from insects, rodents, or other diseases on its groundnut crops.

**Question text:** Did you use chemicals to control insect, rodent, or disease attacks on the groundnuts?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7416** Chemical use preventive or reactive

**Description:** Whether the use of chemicals to control insect, rodent, or disease attacks was preventive or in response to a previous attack on the groundnut crops.

**Question text:** Was the use of chemicals preventive, or was it in response to an insect, rodent, or disease attack?

**Base:** All responsible farmers that cultivated groundnuts using chemicals   
(V7415 = 1)

**Value set:**

1 PREVENTIVE/ROUTINE

2 RESPONSE TO ATTACK

**Value type:** numeric

**V7417** Trained to apply pesticides for groundnuts

**Description:** Whether household has been trained to use pesticides in cultivating groundnuts.

**Question text:** Have you been trained in when to use and how to apply pesticides for groundnuts?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7418** Number of times controlled weeds in groundnuts

**Description:** Number of times the household had to control weeds in the groundnut crops in the past year. If the household did not control weeds, the interviewer enters code 00.

**Question text:** How many times did you control weeds among your groundnut crops in the past year?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1:20

00 NONE

**Value type:** numeric

**V7419** Method of controlling weeds in groundnuts

**Description:** Method used to control weeds in the groundnuts crops. Multiple responses are allowed.

**Question text:** How did you control the weeds among your groundnut crops?

**Base:** All responsible farmers that cultivated groundnuts and controlled weeds (V7418 > 0)

**Value set:**

A HOE

B HERBICIDE

C MULCHING

D INTERCROPPING

E SLASHING

F PULL BY HAND

**Value type:** string

**V7419A** Method of controlling weeds in groundnuts - hoe

**Description:** Whether a hoe was used by household for controlling weeds among groundnut crops.

**Base:** All responsible farmers that cultivated groundnuts and controlled weeds (V7418 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7419B** Method of controlling weeds in groundnuts - herbicide

**Description:** Whether herbicide was used by household for controlling weeds among groundnut crops.

**Base:** All responsible farmers that cultivated groundnuts and controlled weeds (V7418 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7419C** Method of controlling weeds in groundnuts - mulching

**Description:** Whether mulching was used by household for controlling weeds among groundnut crops.

**Base:** All responsible farmers that cultivated groundnuts and controlled weeds (V7418 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7419D** Method of controlling weeds in groundnuts - intercropping

**Description:** Whether intercropping was used by household for controlling weeds among groundnut crops.

**Base:** All responsible farmers that cultivated groundnuts and controlled weeds (V7418 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7419E** Method of controlling weeds in groundnuts - slashing

**Description:** Whether slashing was used by household for controlling weeds among groundnut crops.

**Base:** All responsible farmers that cultivated groundnuts and controlled weeds (V7418 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7419F** Method of controlling weeds in groundnuts – pull by hand

**Description:** Whether the household controlled weeds by pulling by hand among groundnut crops.

**Base:** All responsible farmers that cultivated groundnuts and controlled weeds (V7418 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7420** Trained on using herbicides for groundnuts

**Description:** Whether the household has been trained on using herbicides for cultivating groundnut crops.

**Question text:** Have you been trained in when to use and how to apply herbicides for groundnuts?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7421A** Managed soil and water for groundnuts using terracing

**Description:** Whether the household used terracing to manage the soil and water for cultivating the groundnut crops.

**Question text:** In the past year, did you use any of the following techniques to manage soil and water for your groundnut crop? Terracing?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7421B** Managed soil and water for groundnuts using mulching

**Description:** Whether the household used mulching to manage the soil and water for cultivating the groundnut crops.

**Question text:** Mulching?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7421C** Managed soil and water for groundnuts using soil bands or trenches

**Description:** Whether the household used soil bands or trenches to manage the soil and water for cultivating the groundnut crops.

**Question text:** Soil bands or trenches?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7421D** Managed soil and water for groundnuts by adding lime to the soil

**Description:** Whether the household added lime to the soil to manage the soil and water for cultivating the groundnut crops.

**Question text:** Adding lime to the soil?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7421X** Managed soil and water for groundnuts using other techniques

**Description:** Whether the household used any other techniques to manage the soil and water for cultivating the groundnut crops.

**Question text:** Some other techniques?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7422** Used any irrigation methods other than rainfall

**Description:** Whether the household used any irrigation methods other than rainfall to cultivate groundnuts crops.

**Question text:** Besides rainfall, did you use any additional irrigation methods for the groundnuts?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7423** Type of irrigation used for groundnuts

**Description:** Method of irrigation used to cultivate groundnuts other than rainfall. Multiple responses are allowed.

**Question text:** What type of irrigation did you use?

**Base:** All responsible farmers that cultivated groundnuts using irrigation methods (V7422 = 1)

**Value set:**

A DRIP IRRIGATION

B GRAVITY SYSTEM

C ASPIRATION

D PUMP SYSTEM

E BY HAND (WATERING CAN, HOSE, ETC)

X OTHER

**Value type:** string

**V7423A1** Type of irrigation used for groundnuts – drip irrigation

**Description:** For households that used irrigation, whether drip irrigation was used for groundnut cultivation.

**Base:** All responsible farmers that cultivated groundnuts using additional irrigation (V7422 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7423B1** Type of irrigation used for groundnuts – gravity system

**Description:** For households that used irrigation, whether gravity system irrigation was used for groundnut cultivation.

**Base:** All responsible farmers that cultivated groundnuts using additional irrigation (V7422 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7423C1** Type of irrigation used for groundnuts – aspiration

**Description:** For households that used irrigation, whether aspiration irrigation was used for groundnut cultivation.

**Base:** All responsible farmers that cultivated groundnuts using additional irrigation (V7422 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7423D1** Type of irrigation used for groundnuts – pump system

**Description:** For households that used irrigation, whether pump system irrigation was used for groundnut cultivation.

**Base:** All responsible farmers that cultivated groundnuts using additional irrigation (V7422 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7423E1** Type of irrigation used for groundnuts - by hand

**Description:** For households that used irrigation, whether hand irrigation, such as watering can or hose, was used for groundnut cultivation.

**Base:** All responsible farmers that cultivated groundnuts using additional irrigation (V7422 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7423X1** Type of irrigation used for groundnuts - other

**Description:** For households that used irrigation, whether some other method of irrigation was used for groundnut cultivation.

**Base:** All responsible farmers that cultivated groundnuts using additional irrigation (V7422 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7423A** Decisionmaker for irrigation of groundnuts

**Description:** Most common decisionmaker regarding whether to irrigate the household’s groundnuts.

**Question text:** When decisions are made regarding whether or not to irrigate the groundnut crop, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7423AA** Decisionmaker for irrigation of groundnuts - self

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s groundnuts was the respondent.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7423AB** Decisionmaker for irrigation of groundnuts – partner/spouse

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s groundnuts was the respondent’s partner/spouse.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7423AC** Decisionmaker for irrigation of groundnuts – other household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s groundnuts was another household member.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7423AD** Decisionmaker for irrigation of groundnuts – other non-household member

**Description:** Most common decisionmakers regarding whether to use fertilizer for the household’s groundnuts was another non-household member.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7424** Method for harvesting groundnuts

**Description:** Method for harvesting the groundnuts.

**Question text:** How did you harvest the groundnuts?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 BY HAND ONLY

2 WITH A MACHINE ONLY

3 SOME BY HAND, SOME WITH A MACHINE

4 NOT YET HARVESTED

**Value type:** numeric

**V7424A** What was done with stems after harvesting groundnuts

**Description:** What happened to the stems of groundnuts after harvesting is concluded.

**Question text:** After harvesting the groundnuts, what was done with the groundnut stems?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

A BURNED IN THE FIELD

B INCORPORATED BACK INTO SOIL

C USED AS BEDDING FOR OWN LIVESTOCK

D USED AS COOKING FUEL

E LEFT IN FIELD FOR GRAZING BY ANIMALS

F HARVESTED AND FED TO OWN ANIMALS

G HARVESTED AND SOLD TO OTHERS

X OTHER

**Value type:** string

**V7424AA** What was done with stalks after harvesting groundnuts – burned in the field

**Description:** Whether the stalks of groundnuts were burned in the field after harvesting is concluded.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7424AB** What was done with stems after harvesting groundnuts – incorporated back into soil

**Description:** Whether the stems of groundnuts were incorporated back into the soil after harvesting is concluded.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7424AC** What was done with stems after harvesting groundnuts – used as bedding for own livestock

**Description:** Whether the stems of groundnuts were used as bedding for own livestock after harvesting is concluded.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7424AD** What was done with stems after harvesting groundnuts – used as cooking fuel

**Description:** Whether the stems of groundnuts were used as fuel for fire after harvesting is concluded.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7424AE** What was done with stems after harvesting groundnuts – left in field for grazing by animals

**Description:** Whether the stems of groundnuts were left in the field for grazing by animals after harvesting is concluded.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7424AF** What was done with stems after harvesting groundnuts – harvested and fed to own animals

**Description:** Whether the stems of groundnuts were harvested and fed to own animals after harvesting is concluded.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7424AG** What was done with stems after harvesting groundnuts – harvested and sold to others

**Description:** Whether the stems of groundnuts were harvested and sold to others after harvesting is concluded.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7424AX** What was done with stems after harvesting groundnuts – other

**Description:** Whether other methods were used for discarding the stems of groundnuts after harvesting is concluded.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7425** Dried groundnuts before sale or use

**Description:** Whether the household dried any of the groundnuts before selling or using the groundnuts.

**Question text:** Did you dry any of your groundnut harvest before sale or use?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7426** What groundnuts were dried on

**Description:** Surface that groundnuts were dried on before use. Multiple responses are allowed.

**Question text:** What did you dry the groundnuts on?

**Base:** All responsible farmers that cultivated groundnuts and dried before sale or use (V7425 = 1)

**Value set:**

A BARE GROUND

B GROUND PLASTERED WITH COW DUNG

C GROUND COVERED WITH STRAW

D LEFT TO DRY ON PLANT IN FIELD

E TARPAULINS

F DRYING YARD WITH CEMENTED GROUND

G DRYING RACKS

H SOLAR DRYERS

I MECHANIZED DRYERS

X OTHER

**Value type:** string

**V7426A** What groundnuts were dried on – bare ground

**Description:** For households that dried their groundnuts, whether the groundnuts were dried on bare ground.

**Base:** All responsible farmers that cultivated groundnuts and dried them before sale or use (V7425 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7426B** What groundnuts were dried on – ground covered with straw

**Description:** For households that dried their groundnuts, whether the groundnuts were dried on ground covered with straw.

**Base:** All responsible farmers that cultivated groundnuts and dried them before sale or use (V7425 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7426C** What groundnuts were dried on – ground plastered with cow dung

**Description:** For households that dried their groundnuts, whether the groundnuts were dried on ground plastered with cow dung.

**Base:** All responsible farmers that cultivated groundnuts and dried them before sale or use (V7425 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7426D** What groundnuts were dried on – left to dry on plant in field

**Description:** For households that dried their groundnuts, whether the groundnuts were dried on plants in field.

**Base:** All responsible farmers that cultivated groundnuts and dried them before sale or use (V7425 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7426E** What groundnuts were dried on - tarpaulins

**Description:** For households that dried their groundnuts, whether the groundnuts were dried on tarpaulins.

**Base:** All responsible farmers that cultivated groundnuts and dried them before sale or use (V7425 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7426F** What groundnuts were dried on – drying yard with cemented ground

**Description:** For households that dried their groundnuts, whether the groundnuts were dried on drying yard with cemented ground.

**Base:** All responsible farmers that cultivated groundnuts and dried them before sale or use (V7425 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7426G** What groundnuts were dried on – drying racks

**Description:** For households that dried their groundnuts, whether the groundnuts were dried on drying racks.

**Base:** All responsible farmers that cultivated groundnuts and dried them before sale or use (V7425 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7426H** What groundnuts were dried on – solar dryers

**Description:** For households that dried their groundnuts, whether the groundnuts were dried on solar dryers.

**Base:** All responsible farmers that cultivated groundnuts and dried them before sale or use (V7425 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7426I** What groundnuts were dried on – mechanized dryers

**Description:** For households that dried their groundnuts, whether the groundnuts were dried on mechanized dryers.

**Base:** All responsible farmers that cultivated groundnuts and dried them before sale or use (V7425 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7426X** What groundnuts were dried on - other

**Description:** For households that dried their groundnuts, whether the groundnuts were dried on some other surface.

**Base:** All responsible farmers that cultivated groundnuts and dried them before sale or use (V7425 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7427** How groundnuts were shelled

**Description:** Method used to shell the groundnuts before use. Multiple responses are allowed.

**Question text:** How did you shell the groundnuts?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

A BY HAND ONLY

B WITH A SHELLING MACHINE

C DID NOT SHELL

X OTHER

**Value type:** string

**V7427A1** How groundnuts were shelled – by hand only

**Description:** Whether the groundnuts were shelled by hand after drying.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7427B1** How groundnuts were shelled – shelling machine

**Description:** Whether a shelling machine was used to shell the groundnuts after drying.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7427C1** How groundnuts were shelled – did not shell

**Description:** Whether the groundnuts were not shelled after drying.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7427X1** How groundnuts were shelled - other

**Description:** Whether some other method was used to shell the groundnuts after drying.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7427A** Used shells after shelling

**Description:** Whether the shells from the groundnuts were used after shelling.

**Question text:** After shelling the groundnuts, did you use the shells for any purpose?

**Base:** All responsible farmers that cultivated and shelled groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7427B** Use of shells after shelling

**Description:** Use for shells from the groundnuts after shelling.

**Question text:** What did you use the shells for?

**Base:** All responsible farmers that cultivated and shelled groundnuts and used shells (V7427 <> C and V7427A = 1)

**Value set:**

A USED AS FUEL FOR FIRE

B USED AS BEDDING FOR ANIMALS

C USED AS COMPOST/MULCH

D FED TO OWN ANIMALS

E SOLD/TRADED WITH OTHERS AS ANIMAL FEED

X OTHER

**Value type:** string

**V7427BA** Use of shells after shelling – used as fuel for fire

**Description:** Use for seed pods after shelling of the groundnuts for fire fuel.

**Base:** All responsible farmers that cultivated and shelled groundnuts and used pods (V7427 <> C and V7427A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7427BB** Use of shells after shelling – used as bedding for animals

**Description:** Use for seed pods after shelling of the groundnuts as bedding for animals.

**Base:** All responsible farmers that cultivated and shelled groundnuts and used pods (V7427 <> C and V7427A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7427BC** Use of shells after shelling – used as compost/mulch

**Description:** Use for seed pods after shelling of the groundnuts for compost/mulch.

**Base:** All responsible farmers that cultivated and shelled groundnuts and used pods (V7427 <> C and V7427A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7427BD** Use of shells after shelling – fed to own animals

**Description:** Use for seed pods after shelling of the groundnuts for food for own animals.

**Base:** All responsible farmers that cultivated and shelled groundnuts and used pods (V7427 <> C and V7427A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7427BE** Use of shells after shelling – sold/traded with others as animal feed

**Description:** Use for seed pods after shelling of the groundnuts for selling/trading with others as animal feed.

**Base:** All responsible farmers that cultivated and shelled groundnuts and used pods (V7427 <> C and V7427A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7427BX** Use of shells after shelling - other

**Description:** Use for seed pods after shelling of the groundnuts for other uses.

**Base:** All responsible farmers that cultivated and shelled groundnuts and used pods (V7427 <> C and V7427A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7428** Groundnuts bagged for storage/transport

**Description:** Whether the groundnuts were stored in bags after harvesting for either storage or transport, or both.

**Question text:** Did you put the groundnuts in bags after harvest for storage or transport?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES, IN BUCKETS

2 YES, IN DRUMS

3 YES, IN BAGS

4 NO

**Value type:** numeric

**V7429** Type of storage bag used for groundnuts

**Description:** For households that bagged their groundnuts, the type of storage bag that the household used.

**Question text:** What type of storage bag did you use for the groundnuts?

**Base:** All responsible farmers that cultivated groundnuts and stored in bags (V7428 = 3)

**Value set:**

A WOVEN BAG, SINGLE LAYER

B TWO- OR THREE-LAYERED WOVEN BAGS

C HERMETIC BAG

**Value type:** string

**V7429A** Type of storage bag used for groundnuts – woven bag, single layer

**Description:** For households that bagged their groundnuts, the household used woven bag, single layer.

**Base:** All responsible farmers that cultivated groundnuts and stored in bags (V7229 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7429B** Type of storage bag used for groundnuts – two- or three-layered woven bags

**Description:** For households that bagged their groundnuts, the household used two- or three-layered woven bags.

**Base:** All responsible farmers that cultivated groundnuts and stored in bags (V7229 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7429C** Type of storage bag used for groundnuts – hermetic bag

**Description:** For households that bagged their groundnuts, the household used hermetic bag.

**Base:** All responsible farmers that cultivated groundnuts and stored in bags (V7229 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7430A** Stored groundnuts in residential house

**Description:** Whether the household stored groundnuts in a residential house.

**Question text:** Did you use any of the following storage locations to store the groundnuts? Residential house?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7430B** Stored groundnuts in cribs

**Description:** Whether the household stored groundnuts in cribs.

**Question text:** Cribs?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7430C** Stored groundnuts in granaries

**Description:** Whether the household stored groundnuts in granaries.

**Question text:** Granaries?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7430D** Stored groundnuts in other constructed stores

**Description:** Whether the household stored groundnuts in other constructed stores.

**Question text:** Other constructed stores?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7430E** Stored groundnuts in warehouses

**Description:** Whether the household stored groundnuts in warehouses.

**Question text:** Warehouses?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7430F** Stored groundnuts in storage silos

**Description:** Whether the household stored groundnuts in storage silos.

**Question text:** Storage silos?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7430X** Stored groundnuts in other locations

**Description:** Whether the household stored groundnuts in some other type of location.

**Question text:** Some other type of location?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7430AA** Any type of storage used filter

**Description:** Whether the household stored its groundnuts in any type of storage. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7431** Groundnuts attacked by insects, rodents, disease

**Description:** Whether the groundnuts were attacked by any insects, rodents, or disease while being stored.

**Question text:** Were your groundnuts attacked by insects, rodents, or disease while in storage?

**Base:** All responsible farmers that cultivated groundnuts and stored them (at least one of V7430AA = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7432** Source of information for groundnut crop success

**Description:** Main source of information the respondent relies on to help grow his or her groundnut crops well.

**Question text:** What information source do you rely on the most to help you grow your groundnut crop well?

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 FRIEND/NEIGHBOR

2 AGRO-INPUT DEALER

3 AG EXTENSION WORKER

4 SCHOOL

5 RADIO PROGRAM

6 TELEVISION

7 MOBILE PHONE MESSAGING

8 INTERNET

96 OTHER

**Value type:** numeric

**V7433H** Module 7.4: stop hour

**Description:** Time of the stop of the data collection for Module 7.4, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated groundnuts in the past year

**Value set:** 0:23

**Value type:** numeric

**V7433M** Module 7.4: stop minute

**Description:** Time of the stop of the data collection for Module 7.4, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated groundnuts in the past year

**Value set:** 0:59

**Value type:** numeric

**D7433** Module 7.4: stop day

**Description:** Day of the stop date for data collection for Module 7.4.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M7433** Module 7.4: stop month

**Description:** Month of the stop date for data collection for Module 7.4.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y7433** Module 7.4: stop year

**Description:** Year of the stop date for the data collection for Module 7.4.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V7434** Outcome of the module

**Description:** Result code of Module 7.4. Code 3 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:**

1 COMPLETED

2 MODULE RESPONDENT NOT AT HOME

3 POSTPONED/UNAVAILABLE

4 REFUSED

5 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

**V7435** Interviewer number for Module 7.4

**Description:** Identification code for the interviewer assigned to Module 7.4, unique for each interviewer participating in fieldwork.

**Base:** All responsible farmers that cultivated groundnuts

**Value set:** 11:909

**Value type:** numeric

# Module 7.5 (MOD\_75): Agricultural Technologies - Wheat

**V7500AH** Module 7.5: start hour

**Description:** Time of the start of the data collection for Module 7.5, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated wheat

**Value set:** 0:23

**Value type:** numeric

**V7500AM** Module 7.5: start minute

**Description:** Time of the start of the data collection for Module 7.5, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated wheat

**Value set:** 0:59

**Value type:** numeric

**D7500** Module 7.5: start day

**Description:** Day of the start date for data collection for Module 7.5.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M7500**  Module 7.5: start month

**Description:** Month of the start date for data collection for Module 7.5.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y7500**  Module 7.5: start year

**Description:** Year of the start date for the data collection for Module 7.5.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V7500C** Line number of respondent Module 7.5

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 7.5.

**Base:** All responsible farmers that cultivated wheat

**Value set:** 1:50

**Value type:** numeric

**V7500D** Consent obtained

**Description:** Whether the respondent to Module 7.5 has agreed to be interviewed and included in the survey. If the respondent has not agreed, the interview may not continue.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7500E** Plots responsible for

**Description:** Which plots in the household that the respondent is mainly responsible for wheat – determined from the farmer’s plot map. Automatically filled in CAPI.

**Base:** All responsible farmers that cultivated wheat in the past year

**Value set:**

A PLOT 1

B PLOT 2

C PLOT 3

D PLOT 4

E PLOT 5

F PLOT 6

G PLOT 7

H PLOT 8

**Value type:** string

**V7501** Type of land preparation for wheat

**Description:** Type of land preparation that was used for cultivating wheat in the past year. Multiple responses are allowed.

**Question text:** What kind of land preparation did you use for the wheat you planted in the past year?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

A NONE

B ZERO TILLAGE

C PLOUGHING

X OTHER

**Value type:** string

**V7501A** Type of land preparation for wheat - none

**Description:** Whether no land preparation was used for cultivating wheat in the past year.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7501B** Type of land preparation for wheat – zero tillage

**Description:** Whether zero tillage land preparation was used for cultivating wheat in the past year.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7501C** Type of land preparation for wheat - ploughing

**Description:** Whether ploughing land preparation was used for cultivating wheat in the past year.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7501X** Type of land preparation for wheat - other

**Description:** Whether some other land preparation was used for cultivating wheat in the past year.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7502** Zero tillage used for wheat filter

**Description:** Whether the response to V7501 included the zero tillage method. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated wheat using land preparation (V7501 in B,C,X)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7503** Type of zero tillage used for wheat

**Description:** Type of zero tillage method used for cultivating wheat. Multiple responses are allowed.

**Question text:** What kind of zero tillage system did you use on the land where you planted wheat?

**Base:** All responsible farmers that cultivated wheat using zero tillage   
(B in V7501)

**Value set:**

A SLASH AND PLANT

B BURN AND PLANT

C HERBICIDE AND PLANT

X OTHER

**Value type:** string

**V7503A** Type of zero tillage used for wheat – slash and plant

**Description:** Whether the slash and plant method of zero tillage was used for cultivating wheat.

**Base:** All responsible farmers that cultivated wheat using zero tillage   
(B in V7501)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7503B** Type of zero tillage used for wheat – burn and plant

**Description:** Whether the burn and plant method of zero tillage was used for cultivating wheat.

**Base:** All responsible farmers that cultivated wheat using zero tillage   
(B in V7501)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7503C** Type of zero tillage used for wheat – herbicide and plant

**Description:** Whether the herbicide and plant method of zero tillage was used for cultivating wheat.

**Base:** All responsible farmers that cultivated wheat using zero tillage   
(B in V7501)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7503X** Type of zero tillage used for wheat - other

**Description:** Whether some other method of zero tillage was used for cultivating wheat.

**Base:** All responsible farmers that cultivated wheat using zero tillage   
(B in V7501)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7504** Ploughing methods used for wheat filter

**Description:** Whether the response to V7501 included the ploughing method. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated wheat using land preparation (V7501 in B,C,X)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7505** Method used for ploughing for wheat

**Description:** Type of ploughing method used for cultivating wheat. Multiple responses are allowed.

**Question text:** What did you use for ploughing the land where you planted wheat?

**Base:** All responsible farmers that cultivated wheat using ploughing   
(C in V7501)

**Value set:**

A HAND TILLAGE (HOE)

B ANIMAL TRACTION

C MOTORIZED TILLER

D TRACTOR

X OTHER

**Value type:** string

**V7505A** Method used for ploughing for wheat – hand tillage (hoe)

**Description:** Whether the hand tillage (hoe) method of ploughing was used for cultivating wheat.

**Base:** All responsible farmers that cultivated wheat using ploughing   
(C in V7501)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7505B** Method used for ploughing for wheat – animal traction

**Description:** Whether animal traction ploughing was used for cultivating wheat.

**Base:** All responsible farmers that cultivated wheat using ploughing   
(C in V7501)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7505C** Method used for ploughing for wheat – motorized tiller

**Description:** Whether motorized tiller ploughing was used for cultivating wheat.

**Base:** All responsible farmers that cultivated wheat using ploughing   
(C in V7501)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7505D** Method used for ploughing for wheat – tractor

**Description:** Whether tractor ploughing was used for cultivating wheat.

**Base:** All responsible farmers that cultivated wheat using ploughing   
(C in V7501)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7505X** Method used for ploughing for wheat - other

**Description:** Whether some other method of ploughing was used for cultivating wheat.

**Base:** All responsible farmers that cultivated wheat using ploughing   
(C in V7501)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7506** Main source of wheat seed

**Description:** Main source of seed used in cultivation of wheat.

**Question text:** What was your main source of wheat seed?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 OWN SAVED SEED, SEED FROM FRIEND/RELATIVE (NOT PURCHASED)

2 BOUGHT FROM FRIEND/RELATIVE

3 BOUGHT IN MARKET

4 BOUGHT FROM AG DEALER WITH CASH

5 BOUGHT FROM AG DEALER WITH VOUCHER

6 AID DISTRIBUTION

96 OTHER

**Value type:** numeric

**V7507** Type of wheat seed planted

**Description:** Type of wheat seed that the household planted in the past year.

**Question text:** What type of wheat seed did you plant in the past year?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

A UNIMPROVED LOCAL VARIETIES

B IMPROVED VARIETIES

Y DON’T KNOW

**Value type:** string

**V7507A1** Type of wheat seed planted – unimproved local varieties

**Description:** Unimproved local varieties of wheat seed planted in the past year by the household.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7507B1** Type of wheat seed planted – improved varieties

**Description:** Improved varieties of wheat seed planted in the past year by the household.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7507Y1** Type of wheat seed planted – don’t know

**Description:** Do not know type of wheat seed planted in the past year by the household.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7507X** More than one type of seed planted filter

**Description:** Filter for determining if more than one type of wheat seed was planted by the household. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7507AA** Wheat seed traditional/local or modern/improved

**Description:** For respondents that planted more than one type of seed, the mix of the seed between traditional/local and modern/improved.

**Question text:** Would you say that most of the wheat seed you planted was traditional, local seed, or was it modern, improved seed?

**Base:** All responsible farmers that cultivated wheat using more than one type of seed

**Value set:**

1 MOSTLY TRADITIONAL/LOCAL SEED

2 MOSTLY MODERN/IMPROVED SEED

3 HALF TRADITIONAL/HALF IMPROVED

8 DON’T KNOW

**Value type:** numeric

**V7507B** Decisionmaker for kind of wheat seed planted

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant. Multiple responses are allowed.

**Question text:** When decisions are made regarding what kind of wheat seed to plant, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7507BA** Decisionmaker for kind of wheat seed planted - self

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is the respondent.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7507BB** Decisionmaker for kind of wheat seed planted – partner/spouse

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is the partner/spouse of the respondent.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7507BC** Decisionmaker for kind of wheat seed planted – other HH member

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is another household member.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7507BD** Decisionmaker for kind of wheat seed planted – other non-HH member

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is another non-household member.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7508** Wheat used food and/or market

**Description:** Whether the household grew wheat for household food, sale in the market, or both.

**Question text:** Did you grow your wheat crop: To provide food for the household? To be sold or traded in the market? Both for food and for the market?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 GROWN FOR FOOD ONLY

2 GROWN FOR MARKET ONLY

3 GROWN FOR BOTH FOOD & MARKET

6 OTHER

**Value type:** numeric

**V7509** Planting method for wheat – scatter method

**Description:** Method that the household used to plant its wheat.

**Question text:** Some farmers plant wheat seeds in rows, some randomly broadcast their wheat seeds, and some plant their wheat seeds along with other crops growing in the same plot. How did you plant your wheat seeds?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 IN ROWS

2 RANDOMLY BROADCAST

3 SOME IN ROWS AND SOME RANDOMLY BROADCAST

**Value type:** numeric

**V7509A** Planting method for wheat – crop mixing

**Description:** Whether the wheat was planted in rows in the past year.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 ALONE

2 WITH OTHER CROPS

3 SOME ALONE AND SOME WITH OTHER CROPS

**Value type:** numeric

**V7509B** Crops planted together with wheat

**Description:** If the wheat were planted with other crops in the same plot in the past year, names of those crops.

**Base:** All responsible farmers that cultivated wheat in plots with other crops (V7509A <> 1)

**Value set:**

X Enter first crop planted

Y Enter second crop planted

Z Enter third crop planted

**Value type:** string

**V7510** Rotate wheat with another crop

**Description:** Whether the household rotated its wheat crops with another type of crop during the previous season.

**Question text:** Over the past two planting seasons, did you rotate wheat with another crop planted in the same plot area?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO, PLANTED WHEAT CONTINUOUSLY

3 NO, LEFT PLOT FALLOW

8 DON’T KNOW

**Value type:** numeric

**V7510A** Crops planted previous season

**Description:** List of other crops planted in plot previous season.

**Question text:** What was cultivated in the plot in the season before you planted the wheat?

**Base:** All responsible farmers that cultivated wheat and rotated it the previous season (V7510 = 1)

**Value set:**

X Enter first crop planted

Y Enter second crop planted

Z Enter third crop planted

**Value type:** string

**V7511** Applied fertilizer to wheat

**Description:** Whether the household used fertilizer to cultivate its wheat crops.

**Question text:** Did you apply fertilizer to the wheat in the past year?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7511A** When applied fertilizer to wheat

**Description:** Time during cultivation that the household used fertilizer. Multiple responses are allowed.

**Question text:** At which times did you apply fertilizer to the wheat?

**Base:** All responsible farmers that cultivated wheat using fertilizer (V7511 = 1)

**Value set:**

A PLANTING

B EARLY GROWTH STAGE

C MID-CROP

X OTHER

**Value type:** string

**V7511AA** When applied fertilizer to wheat - planting

**Description:** Whether the household used fertilizer while planting.

**Base:** All responsible farmers that cultivated wheat using fertilizer (V7511 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7511AB** When applied fertilizer to wheat – early growth stage

**Description:** Whether the household used fertilizer early growth stage.

**Base:** All responsible farmers that cultivated wheat using fertilizer (V7511 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7511AC** When applied fertilizer to wheat – mid-crop

**Description:** Whether the household used fertilizer mid-crop.

**Base:** All responsible farmers that cultivated wheat using fertilizer (V7511 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7511AX** When applied fertilizer to wheat - other

**Description:** Whether the household used fertilizer at some other point.

**Base:** All responsible farmers that cultivated wheat using fertilizer (V7511 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7511B** Type of fertilizer used on wheat

**Description:** Type of fertilizer that the household used to cultivate wheat crops. Multiple responses are allowed.

**Question text:** What type of fertilizer did you use?

**Base:** All responsible farmers that cultivated wheat using fertilizer (V7511 = 1)

**Value set:**

A SOIL-BASED ORGANIC

B SOIL-BASED INORGANIC

C FOLIAR FEEDS ORGANIC

D FOLIAR FEEDS INORGANIC

X OTHER

**Value type:** string

**V7511BA** Type of fertilizer used on wheat – soil-based organic

**Description:** Whether soil-based organic fertilizer was used to cultivate wheat crops.

**Base:** All responsible farmers that cultivated wheat using fertilizer (V7511 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7511BB** Type of fertilizer used on wheat – soil-based inorganic

**Description:** Whether soil-based inorganic fertilizer was used to cultivate wheat crops.

**Base:** All responsible farmers that cultivated wheat using fertilizer (V7511 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7511BC** Type of fertilizer used on wheat – foliar feeds organic

**Description:** Whether organic foliar feeds were used to cultivate wheat crops.

**Base:** All responsible farmers that cultivated wheat using fertilizer (V7511 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7511BD** Type of fertilizer used on wheat – foliar feeds inorganic

**Description:** Whether inorganic foliar feeds were used to cultivate wheat crops.

**Base:** All responsible farmers that cultivated wheat using fertilizer (V7511 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7511BX** Type of fertilizer used on wheat - other

**Description:** Whether some other fertilizer was used to cultivate wheat crops.

**Base:** All responsible farmers that cultivated wheat using fertilizer (V7511 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7511C** Name of fertilizer used on wheat

**Description:** Brand of fertilizer that was used to cultivate wheat in the past year.

**Question text:** What is the name of the fertilizer you mainly used for your wheat in the past year?

**Base:** All responsible farmers that cultivated wheat using fertilizer (V7511 = 1)

**Value set:**

1 FERTILIZER 1

2 FERTILIZER 2

3 FERTILIZER 3

96 OTHER

98 DON’T KNOW

**Value type:** numeric

**V7511D1** Nitrogen component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate wheat in the past year.

**Question text:** What was the ratio of nitrogen, phosphate, and potassium in the fertilizer you mainly used for your wheat in the past year?

**Base:** All responsible farmers that cultivated wheat using fertilizer (V7511 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7511D2** Phosphate component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate wheat in the past year.

**Base:** All responsible farmers that cultivated wheat using fertilizer (V7511 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7511D3** Potassium component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate wheat in the past year.

**Base:** All responsible farmers that cultivated wheat using fertilizer (V7511 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7512A** Applied animal manure to wheat

**Description:** Whether the respondent applied animal manure to wheat.

**Question text:** Did you apply animal manure to your wheat fields in the past year?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7512B** Method for applying animal manure to wheat

**Description:** For fields where animal manure was applied to the wheat, the method used to apply the manure.

**Question text:** How was animal manure applied to your wheat fields?

**Base:** All responsible farmers that cultivated wheat using animal manure (V7512A = 1)

**Value set:**

1 ANIMALS GRAZE AND LEAVE DUNG ON FIELD

2 MANURE APPLIED TO FIELD BY HAND

3 MANURE APPLIED TO FIELD WITH MACHINE

6 OTHER

**Value type:** numeric

**V7512C** Source of animal manure for wheat

**Description:** For fields where animal manure was applied to the wheat, the source of the animal manure.

**Question text:** Where did you get the manure you applied to your wheat fields?

**Base:** All responsible farmers that cultivated wheat using animal manure (V7512A = 1)

**Value set:**

1 PRODUCED BY OWN ANIMALS

2 GIVEN BY FAMILY/FRIEND/NEIGHBOR FARM

3 PURCHASED FROM MARKET/TRADER

**Value type:** numeric

**V7512D** Decisionmaker for using fertilizer on wheat

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s wheat.

**Question text:** When decisions are made regarding whether or not to use fertilizer for your wheat, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7512DA** Decisionmaker for using fertilizer on wheat - self

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s wheat was the respondent.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7512DB** Decisionmaker for using fertilizer on wheat – partner/spouse

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s wheat was the respondent’s partner/spouse.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7512DC** Decisionmaker for using fertilizer on wheat – other household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s wheat was another household member.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7512DD** Decisionmaker for using fertilizer on wheat – other non-household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s wheat was another non-household member.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7513** Trained on using inorganic fertilizer for wheat

**Description:** Whether the household has been trained on using inorganic fertilizers to cultivate wheat.

**Question text:** Inorganic fertilizer is a man-made fertilizer that you can buy in a bag at the shop. Have you been trained in how to use inorganic fertilizer for wheat?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7514** Insect, rodent, disease attacks on wheat in past year

**Description:** Whether there were attacks on the wheat from any insects, rodents, or diseases in the past year.

**Question text:** Did you have any insect, rodents, or disease attacks on your wheat in the past year?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7515** Used chemicals to control attacks on wheat

**Description:** Whether the household used chemicals to control attacks from insects, rodents, or other diseases on its wheat crops.

**Question text:** Did you use chemicals to control insect, rodent, or disease attacks on the wheat?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7516** Chemical use preventive or reactive

**Description:** Whether the use of chemicals to control insect, rodent, or disease attacks was preventive or in response to a previous attack on the wheat crops.

**Question text:** Was the use of chemicals preventive, or was it in response to an insect, rodent, or disease attack?

**Base:** All responsible farmers that cultivated wheat using chemicals (V7515 = 1)

**Value set:**

1 PREVENTIVE/ROUTINE

2 RESPONSE TO ATTACK

**Value type:** numeric

**V7517** Trained to apply pesticides for wheat

**Description:** Whether household has been trained to use pesticides in cultivating wheat.

**Question text:** Have you been trained in when to use and how to apply pesticides for wheat?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7518** Number of times controlled weeds in wheat

**Description:** Number of times the household had to control weeds in the wheat crops in the past year. If the household did not control weeds, the interviewer enters code 00.

**Question text:** How many times did you control weeds among your wheat crops in the past year?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1:20

0 NONE

**Value type:** numeric

**V7519** Method of controlling weeds in wheat

**Description:** Method used to control weeds in the wheat crops. Multiple responses are allowed.

**Question text:** How did you control the weeds among your wheat crops?

**Base:** All responsible farmers that cultivated wheat and controlled weeds (V7518 > 0)

**Value set:**

A HOE

B HERBICIDE

C MULCHING

D INTERCROPPING

E SLASHING

F PULL BY HAND

**Value type:** string

**V7519A** Method of controlling weeds in wheat - hoe

**Description:** Whether a hoe was used by household for controlling weeds among wheat crops.

**Base:** All responsible farmers that cultivated wheat and controlled weeds (V7518 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7519B** Method of controlling weeds in wheat - herbicide

**Description:** Whether herbicide was used by household for controlling weeds among wheat crops.

**Base:** All responsible farmers that cultivated wheat and controlled weeds (V7518 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7519C** Method of controlling weeds in wheat - mulching

**Description:** Whether mulching was used by household for controlling weeds among wheat crops.

**Base:** All responsible farmers that cultivated wheat and controlled weeds (V7518 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7519D** Method of controlling weeds in wheat - intercropping

**Description:** Whether intercropping was used by household for controlling weeds among wheat crops.

**Base:** All responsible farmers that cultivated wheat and controlled weeds (V7518 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7519E** Method of controlling weeds in wheat - slashing

**Description:** Whether slashing was used by household for controlling weeds among wheat crops.

**Base:** All responsible farmers that cultivated wheat and controlled weeds (V7518 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7519F** Method of controlling weeds in wheat – pull by hand

**Description:** Whether the household controlled weeds by pulling by hand among wheat crops.

**Base:** All responsible farmers that cultivated wheat and controlled weeds (V7518 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7520** Trained on using herbicides for wheat

**Description:** Whether the household has been trained on using herbicides for cultivating wheat crops.

**Question text:** Have you been trained in when to use and how to apply herbicides for wheat?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7521A** Managed soil and water for wheat using terracing

**Description:** Whether the household used terracing to manage the soil and water for cultivating the wheat crops.

**Question text:** In the past year, did you use any of the following techniques to manage soil and water for your wheat crop? Terracing?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7521B** Managed soil and water for wheat using mulching

**Description:** Whether the household used mulching to manage the soil and water for cultivating the wheat crops.

**Question text:** Mulching?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7521C** Managed soil and water for wheat using soil bands or trenches

**Description:** Whether the household used soil bands or trenches to manage the soil and water for cultivating the wheat crops.

**Question text:** Soil bands or trenches?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7521D** Managed soil and water for wheat by adding lime to the soil

**Description:** Whether the household added lime to the soil to manage the soil and water for cultivating the wheat crops.

**Question text:** Adding lime to the soil?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7521X** Managed soil and water for wheat using other techniques

**Description:** Whether the household used any other techniques to manage the soil and water for cultivating the wheat crops.

**Question text:** Some other techniques?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7522** Used any irrigation methods other than rainfall

**Description:** Whether the household used any irrigation methods other than rainfall to cultivate wheat crops.

**Question text:** Besides rainfall, did you use any additional irrigation methods for the wheat?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7523** Type of irrigation used for wheat

**Description:** Method of irrigation used to cultivate wheat other than rainfall. Multiple responses are allowed.

**Question text:** What type of irrigation did you use?

**Base:** All responsible farmers that cultivated wheat using irrigation methods (V7522 = 1)

**Value set:**

A DRIP IRRIGATION

B GRAVITY SYSTEM

C ASPIRATION

D PUMP SYSTEM

E BY HAND (WATERING CAN, HOSE, ETC)

X OTHER

**Value type:** string

**V7523A1** Type of irrigation used for wheat – drip irrigation

**Description:** For households that used irrigation, whether drip irrigation was used for wheat cultivation.

**Base:** All responsible farmers that cultivated wheat using additional irrigation (V7522 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7523B1** Type of irrigation used for wheat – gravity system

**Description:** For households that used irrigation, whether gravity system irrigation was used for wheat cultivation.

**Base:** All responsible farmers that cultivated wheat using additional irrigation (V7522 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7523C1** Type of irrigation used for wheat – aspiration

**Description:** For households that used irrigation, whether aspiration irrigation was used for wheat cultivation.

**Base:** All responsible farmers that cultivated wheat using additional irrigation (V7522 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7523D1** Type of irrigation used for wheat – pump system

**Description:** For households that used irrigation, whether pump system irrigation was used for wheat cultivation.

**Base:** All responsible farmers that cultivated wheat using additional irrigation (V7522 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7523E1** Type of irrigation used for wheat - by hand

**Description:** For households that used irrigation, whether hand irrigation, such as watering can or hose, was used for wheat cultivation.

**Base:** All responsible farmers that cultivated wheat using additional irrigation (V7522 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7523X1** Type of irrigation used for wheat - other

**Description:** For households that used irrigation, whether some other method of irrigation was used for wheat cultivation.

**Base:** All responsible farmers that cultivated wheat using additional irrigation (V7522 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7523A** Decisionmaker for irrigation of wheat

**Description:** Most common decisionmaker regarding whether to irrigate the household’s wheat.

**Question text:** When decisions are made regarding whether to irrigate the wheat crop, who is it that normally makes the decision?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7523AA** Decisionmaker for irrigation of wheat - self

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s wheat was the respondent.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7523AB** Decisionmaker for irrigation of wheat – partner/spouse

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s wheat was the respondent’s partner/spouse.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7523AC** Decisionmaker for irrigation of wheat – other household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s wheat was another household member.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7523AD** Decisionmaker for irrigation of wheat – other non-household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s wheat was another non-household member.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7524** Method for harvesting wheat

**Description:** Method for harvesting the wheat.

**Question text:** How did you harvest the wheat?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 WITH A SICKLE

2 WITH A SCYTHE

3 WITH A MOTORIZED HARVESTER

4 NOT YET HARVESTED

**Value type:** numeric

**V7525** Dried wheat before sale or use

**Description:** Whether the household dried any of the wheat before selling or using the wheat.

**Question text:** Did you dry any of your wheat harvest before sale or use?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7526** What wheat was dried on

**Description:** Surface that wheat was dried on before use. Multiple responses are allowed.

**Question text:** What did you dry the wheat on?

**Base:** All responsible farmers that cultivated wheat and dried before sale or use (V7525 = 1)

**Value set:**

A BARE GROUND

B GROUND PLASTERED WITH COW DUNG

C GROUND COVERED WITH STRAW

D LEFT TO DRY ON PLANT IN FIELD

E TARPAULINS

F DRYING YARD WITH CEMENTED GROUND

G DRYING RACKS

H SOLAR DRYERS

I MECHANIZED DRYERS

X OTHER

**Value type:** string

**V7526A** What wheat were dried on – bare ground

**Description:** For households that dried their wheat, whether the wheat was dried on bare ground.

**Base:** All responsible farmers that cultivated wheat and dried it before sale or use (V7525 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7526B** What wheat was dried on – ground covered with straw

**Description:** For households that dried their wheat, whether the wheat was dried on ground covered with straw.

**Base:** All responsible farmers that cultivated wheat and dried it before sale or use (V7525 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7526C** What wheat was dried on – ground plastered with cow dung

**Description:** For households that dried their wheat, whether the wheat was dried on ground plastered with cow dung.

**Base:** All responsible farmers that cultivated wheat and dried it before sale or use (V7525 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7526D** What wheat was dried on – left to dry on plant in field

**Description:** For households that dried their wheat, whether the wheat was dried on plants in field.

**Base:** All responsible farmers that cultivated wheat and dried it before sale or use (V7525 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7526E** What wheat was dried on - tarpaulins

**Description:** For households that dried their wheat, whether the wheat was dried on tarpaulins.

**Base:** All responsible farmers that cultivated wheat and dried it before sale or use (V7525 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7526F** What wheat was dried on – drying yard with cemented ground

**Description:** For households that dried their wheat, whether the wheat was dried on drying yard with cemented ground.

**Base:** All responsible farmers that cultivated wheat and dried it before sale or use (V7525 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7526G** What wheat was dried on – drying racks

**Description:** For households that dried their wheat, whether the wheat was dried on drying racks.

**Base:** All responsible farmers that cultivated wheat and dried it before sale or use (V7525 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7526H** What wheat was dried on – solar dryers

**Description:** For households that dried their wheat, whether the wheat was dried on solar dryers.

**Base:** All responsible farmers that cultivated wheat and dried it before sale or use (V7525 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7526I** What wheat was dried on – mechanized dryers

**Description:** For households that dried their wheat, whether the wheat was dried on mechanized dryers.

**Base:** All responsible farmers that cultivated wheat and dried it before sale or use (V7525 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7526X** What wheat was dried on - other

**Description:** For households that dried their wheat, whether the wheat was dried on some other surface.

**Base:** All responsible farmers that cultivated wheat and dried it before sale or use (V7525 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7527** How wheat was threshed

**Description:** Method used to thresh the wheat before use. Multiple responses are allowed.

**Question text:** How did you thresh the wheat?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

A TRAMPLED BY CATTLE/OXEN

B BEAT WITH STICKS

C BEAT WITH A FLAIL

D USED A TREADLE THRESHER

E USED A MOTORIZED THRESHER

F DID NOT THRESH

X OTHER

**Value type:** string

**V7527A1** How wheat was threshed – trampled by cattle/oxen

**Description:** Whether the wheat was trampled by cattle/oxen after drying for threshing.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7527B1** How wheat was threshed – beat with sticks

**Description:** Whether sticks were used to thresh the wheat after drying.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7527C1** How wheat was threshed – beat with a flail

**Description:** Whether beating with a flail was used to thresh the wheat after drying.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7527D1** How wheat was threshed – used a treadle thresher

**Description:** Whether a treadle thresher was used to thresh the wheat after drying.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7527E1** How wheat was threshed – used a motorized thresher

**Description:** Whether a motorized thresher was used to thresh the wheat after drying.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7527F1** How wheat was threshed – did not thresh

**Description:** Whether the wheat was not threshed after drying.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7527X1** How wheat was threshed - other

**Description:** Whether some other method was used to thresh the wheat after drying.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7527A** Use of straw after threshing

**Description:** Use for straw from the wheat after threshing.

**Question text:** After threshing the wheat, what was done with the straw?

**Base:** All responsible farmers that cultivated and threshed wheat (V7527 <> F)

**Value set:**

A BURNED

B INCORPORATED BACK INTO THE SOIL

C USED AS BEDDING FOR OWN LIVESTOCK

D USED AS COOKING FUEL

E LEFT IN FIELD FOR GRAZING BY ANIMALS

F FED TO OWN ANIMALS

G SOLD TO OTHERS

X OTHER

**Value type:** string

**V7527AA** Use of straw after threshing – burned

**Description:** Straw was burned after threshing the wheat.

**Base:** All responsible farmers that cultivated and threshed wheat (V7527 <> F)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7527AB** Use of straw after threshing – incorporated back into the soil

**Description:** Straw was incorporated into the soil after threshing the wheat.

**Base:** All responsible farmers that cultivated and threshed wheat (V7527 <> F)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7527AC** Use of straw after threshing – used as bedding for own livestock

**Description:** Straw was used as bedding for own livestock after threshing the wheat.

**Base:** All responsible farmers that cultivated and threshed wheat (V7527 <> F)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7527AD** Use of straw after threshing – used as cooking fuel

**Description:** Straw was used as cooking fuel after threshing the wheat.

**Base:** All responsible farmers that cultivated and threshed wheat (V7527 <> F)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7527AE** Use of straw after threshing – left in field for grazing by animals

**Description:** Straw was left in the field for grazing by animals after threshing the wheat.

**Base:** All responsible farmers that cultivated and threshed wheat (V7527 <> F)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7527AF** Use of straw after threshing – fed to own animals

**Description:** Straw was used as food for own animals after threshing the wheat.

**Base:** All responsible farmers that cultivated and threshed wheat (V7527 <> F)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7527AG** Use of straw after threshing – sold to others

**Description:** Straw was sold to others after threshing the wheat.

**Base:** All responsible farmers that cultivated and threshed wheat (V7527 <> F)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7527AX** Use of straw after threshing - other

**Description:** Straw was used for other uses after threshing the wheat.

**Base:** All responsible farmers that cultivated and threshed wheat (V7527 <> F)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7528** Wheat bagged for storage/transport

**Description:** Whether the wheat was stored in bags after harvesting for either storage or transport, or both.

**Question text:** Did you put the wheat in bags after harvest for storage or transport?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES, IN BUCKETS

2 YES, IN DRUMS

3 YES, IN BAGS

4 NO

**Value type:** numeric

**V7529** Type of storage bag used for wheat

**Description:** For households that bagged their wheat, the type of storage bag that the household used.

**Question text:** What type of storage bag did you use for the wheat?

**Base:** All responsible farmers that cultivated wheat and stored in bags   
(V7229 = 1)

**Value set:**

A WOVEN BAG, SINGLE LAYER

B TWO- OR THREE-LAYERED WOVEN BAGS

C HERMETIC BAG

**Value type:** string

**V7529A** Type of storage bag used for wheat – woven bag, single layer

**Description:** For households that bagged their wheat, the household used woven bag, single layer.

**Base:** All responsible farmers that cultivated wheat and bagged for storage (V7128 in 1,2,4)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7529B** Type of storage bag used for wheat – two- or three-layered woven bags

**Description:** For households that bagged their wheat, the household used two- or three-layered woven bags.

**Base:** All responsible farmers that cultivated wheat and bagged for storage (V7128 in 1,2,4)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7529C** Type of storage bag used for wheat – hermetic bag

**Description:** For households that bagged their wheat, the household used hermetic bag.

**Base:** All responsible farmers that cultivated wheat and bagged for storage (V7128 in 1,2,4)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7530A** Stored wheat in residential house

**Description:** Whether the household stored wheat in a residential house.

**Question text:** Did you use any of the following storage locations to store the wheat? Residential house?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7530B** Stored wheat in cribs

**Description:** Whether the household stored wheat in cribs.

**Question text:** Cribs?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7530C** Stored wheat in granaries

**Description:** Whether the household stored wheat in granaries.

**Question text:** Granaries?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7530D** Stored wheat in other constructed stores

**Description:** Whether the household stored wheat in other constructed stores.

**Question text:** Other constructed stores?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7530E** Stored wheat in warehouses

**Description:** Whether the household stored wheat in warehouses.

**Question text:** Warehouses?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7530F** Stored wheat in storage silos

**Description:** Whether the household stored wheat in storage silos.

**Question text:** Storage silos?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7530X** Stored wheat in other locations

**Description:** Whether the household stored wheat in some other type of location.

**Question text:** Some other type of location?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7530AA** Any type of storage used filter

**Description:** Whether the household stored its wheat in any type of storage. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7531** Wheat attacked by insects, rodents, disease

**Description:** Whether the wheat was attacked by any insects, rodents, or disease while being stored.

**Question text:** Was your wheat attacked by insects, rodents, or disease while in storage?

**Base:** All responsible farmers that cultivated wheat and stored it (at least one of V7530AA = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7532** Source of information for wheat crop success

**Description:** Main source of information the respondent relies on to help grow his or her wheat crops well.

**Question text:** What information source do you rely on the most to help you grow your wheat crop well?

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 FRIEND/NEIGHBOR

2 AGRO-INPUT DEALER

3 AG EXTENSION WORKER

4 SCHOOL

5 RADIO PROGRAM

6 TELEVISION

7 MOBILE PHONE MESSAGING

8 INTERNET

96 OTHER

**Value type:** numeric

**V7533H** Module 7.5: stop hour

**Description:** Time of the stop of the data collection for Module 7.5, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated wheat in the past year

**Value set:** 0:23

**Value type:** numeric

**V7533M** Module 7.5: stop minute

**Description:** Time of the stop of the data collection for Module 7.5, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated wheat in the past year

**Value set:** 0:59

**Value type:** numeric

**D7533** Module 7.5: stop day

**Description:** Day of the stop date for data collection for Module 7.5.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M7533** Module 7.5: stop month

**Description:** Month of the stop date for data collection for Module 7.5.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y7533** Module 7.5: stop year

**Description:** Year of the stop date for the data collection for Module 7.5.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V7534** Outcome of the module

**Description:** Result code of Module 7.5. Code 3 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** All responsible farmers that cultivated wheat

**Value set:**

1 COMPLETED

2 MODULE RESPONDENT NOT AT HOME

3 POSTPONED/UNAVAILABLE

4 REFUSED

5 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

**V7535** Interviewer number for Module 7.5

**Description:** Identification code for the interviewer assigned to Module 7.5, unique for each interviewer participating in fieldwork.

**Base:** All responsible farmers that cultivated wheat

**Value set:** 11:909

**Value type:** numeric

# Module 7.6 (MOD\_76): Agricultural Technologies - Soybean

**V7600AH** Module 7.6: start hour

**Description:** Time of the start of the data collection for Module 7.6, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated soybean

**Value set:** 0:23

**Value type:** numeric

**V7600AM** Module 7.6: start minute

**Description:** Time of the start of the data collection for Module 7.6, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated soybean

**Value set:** 0:59

**Value type:** numeric

**D7600** Module 7.6: start day

**Description:** Day of the start date for data collection for Module 7.6.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M7600**  Module 7.6: start month

**Description:** Month of the start date for data collection for Module 7.6.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y7600**  Module 7.6: start year

**Description:** Year of the start date for the data collection for Module 7.6.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V7600C** Line number of respondent Module 7.6

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 7.6.

**Base:** All responsible farmers that cultivated soybean

**Value set:** 1:50

**Value type:** numeric

**Value type:** numeric**V7600D** Consent obtained

**Description:** Whether the respondent to Module 7.6 has agreed to be interviewed and included in the survey. If the respondent has not agreed, the interview may not continue.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7600E** Plots responsible for

**Description:** Which plots in the household that the respondent is mainly responsible for soybean – determined from the farmer’s plot map. Automatically filled in CAPI.

**Base:** All responsible farmers that cultivated soybean in the past year

**Value set:**

A PLOT 1

B PLOT 2

C PLOT 3

D PLOT 4

E PLOT 5

F PLOT 6

G PLOT 7

H PLOT 8

**Value type:** string

**V7601** Type of land preparation for soybean

**Description:** Type of land preparation that was used for cultivating soybean in the past year. Multiple responses are allowed.

**Question text:** What kind of land preparation did you use for the soybean you planted in the past year?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

A NONE

B ZERO TILLAGE

C PLOUGHING

X OTHER

**Value type:** string

**V7601A** Type of land preparation for soybean - none

**Description:** Whether no land preparation was used for cultivating soybean in the past year.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7601B** Type of land preparation for soybean – zero tillage

**Description:** Whether zero tillage land preparation was used for cultivating soybean in the past year.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7601C** Type of land preparation for soybean - ploughing

**Description:** Whether ploughing land preparation was used for cultivating soybean in the past year.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7601X** Type of land preparation for soybean - other

**Description:** Whether some other land preparation was used for cultivating soybean in the past year.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7602** Zero tillage used for soybean

**Description:** Whether the response to V7601 included the zero tillage method. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated soybean using land preparation (V7601 in B,C,X)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7603** Type of zero tillage used for soybean

**Description:** Type of zero tillage method used for cultivating soybean. Multiple responses are allowed.

**Question text:** What kind of zero tillage system did you use on the land where you planted soybean?

**Base:** All responsible farmers that cultivated soybean using zero tillage   
S(V7601 = B)

**Value set:**

A SLASH AND PLANT

B BURN AND PLANT

C HERBICIDE AND PLANT

X OTHER

**Value type:** string

**V7603A** Type of zero tillage used for soybean – slash and plant

**Description:** Whether the slash and plant method of zero tillage was used for cultivating soybean.

**Base:** All responsible farmers that cultivated soybean using zero tillage   
(V7601 = B)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7603B** Type of zero tillage used for soybean – burn and plant

**Description:** Whether the burn and plant method of zero tillage was used for cultivating soybean.

**Base:** All responsible farmers that cultivated soybean using zero tillage   
(V7601 = B)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7603C** Type of zero tillage used for soybean – herbicide and plant

**Description:** Whether the herbicide and plant method of zero tillage was used for cultivating soybean.

**Base:** All responsible farmers that cultivated soybean using zero tillage   
(V7601 = B)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7603X** Type of zero tillage used for soybean - other

**Description:** Whether some other method of zero tillage was used for cultivating soybean.

**Base:** All responsible farmers that cultivated soybean using zero tillage (V7601 = B)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7604** Ploughing methods used for soybean

**Description:** Whether the response to V7601 included the ploughing method. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated soybean using land preparation (V7601 in B,C,X)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7605** Method used for ploughing for soybean

**Description:** Type of ploughing method used for cultivating soybean. Multiple responses are allowed.

**Question text:** What did you use for ploughing the land where you planted soybean?

**Base:** All responsible farmers that cultivated soybean using ploughing   
(C in V7601)

**Value set:**

A HAND TILLAGE (HOE)

B ANIMAL TRACTION

C MOTORIZED TILLER

D TRACTOR

X OTHER

**Value type:** string

**V7605A** Method used for ploughing for soybean – hand tillage (hoe)

**Description:** Whether the hand tillage (hoe) method of ploughing was used for cultivating soybean.

**Base:** All responsible farmers that cultivated soybean using ploughing   
(C in V7601)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7605B** Method used for ploughing for soybean – animal traction

**Description:** Whether animal traction ploughing was used for cultivating soybean.

**Base:** All responsible farmers that cultivated soybean using ploughing   
(C in V7601)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7605C** Method used for ploughing for soybean – motorized tiller

**Description:** Whether motorized tiller ploughing was used for cultivating soybean.

**Base:** All responsible farmers that cultivated soybean using ploughing   
(C in V7601)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7605D** Method used for ploughing for soybean – tractor

**Description:** Whether tractor ploughing was used for cultivating soybean.

**Base:** All responsible farmers that cultivated soybean using ploughing   
(C in V7601)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7605X** Method used for ploughing for soybean - other

**Description:** Whether some other method of ploughing was used for cultivating soybean.

**Base:** All responsible farmers that cultivated soybean using ploughing   
(C in V7601)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7606** Main source of soybean seed

**Description:** Main source of seed used in cultivation of soybean.

**Question text:** What was your main source of soybean seed?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 OWN SAVED SEED, SEED FROM FRIEND/RELATIVE (NOT PURCHASED)

2 BOUGHT FROM FRIEND/RELATIVE

3 BOUGHT IN MARKET (NON-AG DEALER)

4 BOUGHT FROM AG DEALER WITH CASH

5 BOUGHT FROM AG DEALER WITH VOUCHER

6 AID DISTRIBUTION

96 OTHER

**Value type:** numeric

**V7607** Type of soybean seed planted

**Description:** Type of soybean seed that the household planted in the past year.

**Question text:** What type of soybean seed did you plant in the past year?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

A UNIMPROVED LOCAL VARIETIES

B IMPROVED VARIETIES

Y DON’T KNOW

**Value type:** string

**V7607A1** Type of soybean seed planted – unimproved local varieties

**Description:** Unimproved local varieties of soybean seed planted in the past year by the household.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7607B1** Type of soybean seed planted – improved varieties

**Description:** Improved varieties of soybean seed planted in the past year by the household.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7607Y1** Type of soybean seed planted – don’t know

**Description:** Do not know type of soybean seed planted in the past year by the household.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7607X** More than one type of seed planted filter

**Description:** Filter for determining if more than one type of soybean seed was planted by the household. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7607AA** Soybean seed traditional/local or modern/improved

**Description:** For respondents that planted more than one type of seed, the mix of the seed between traditional/local and modern/improved.

**Question text:** Would you say that most of the soybean seed you planted was traditional, local seed, or was it modern, improved seed?

**Base:** All responsible farmers that cultivated soybean using more than one type of seed

**Value set:**

1 MOSTLY TRADITIONAL/LOCAL SEED

2 MOSTLY MODERN/IMPROVED SEED

3 HALF TRADITIONAL/HALF IMPROVED

8 DON’T KNOW

**Value type:** numeric

**V7607B** Decisionmaker for kind of soybean seed planted

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant. Multiple responses are allowed.

**Question text:** When decisions are made regarding what kind of soybean seed to plant, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7607BA** Decisionmaker for kind of soybean seed planted - self

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is the respondent.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7607BB** Decisionmaker for kind of soybean seed planted – partner/spouse

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is the partner/spouse of the respondent.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7607BC** Decisionmaker for kind of soybean seed planted – other HH member

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is another household member.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7607BD** Decisionmaker for kind of soybean seed planted – other non-HH member

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is another non-household member.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7608** Soybean used food and/or market

**Description:** Whether the household grew soybean for household food, sale in the market, or both.

**Question text:** Did you grow your soybean crop: To provide food for the household? To be sold or traded in the market? Both for food and for the market?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 GROWN FOR FOOD ONLY

2 GROWN FOR MARKET ONLY

3 GROWN FOR BOTH FOOD & MARKET

6 OTHER

**Value type:** numeric

**V7609** Planting method for soybean – scatter method

**Description:** Method that the household used to plant its soybean.

**Question text:** Some farmers plant soybean seeds in rows and some randomly broadcast their soybean seeds. How did you plant your soybean seeds?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 IN ROWS

2 RANDOMLY BROADCAST

3 SOME IN ROWS AND SOME RANDOMLY BROADCAST

**Value type:** numeric

**V7609A** Planting method for soybean – crop mixing

**Description:** Whether the soybean was intercropped with other crops in the same plot in the past year.

**Question text:** Some farmers plant soybean seeds alone and some plant their soybean seeds along with other crops growing in the same plot. How did you plant your soybean seeds?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 ALONE

2 WITH OTHER CROPS

3 SOME ALONE AND SOME WITH OTHER CROPS

**Value type:** numeric

**V7609B** Crops planted together with soybean

**Description:** If the soybean were planted with other crops in the same plot in the past year, names of those crops.

**Base:** All responsible farmers that cultivated soybean in plots with other crops (V7609A <> 1)

**Value set:**

X Enter first crop planted

Y Enter second crop planted

Z Enter third crop planted

**Value type:** string

**V7610** Rotate soybean with another crop

**Description:** Whether the household rotated its soybean crops with another type of crop during the previous season.

**Question text:** Over the past two planting seasons, did you rotate soybean with another crop planted in the same plot area?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO, PLANTED SOYBEAN CONTINUOUSLY

3 NO, LEFT PLOT FALLOW

8 DON’T KNOW

**Value type:** numeric

**V7610A** Crops planted previous season

**Description:** List of other crops planted in plot previous season.

**Question text:** What was cultivated in the plot in the season before you planted the soybean?

**Base:** All responsible farmers that cultivated soybean and rotated it the previous season (V7610 = 1)

**Value set:**

X Enter first crop planted

Y Enter second crop planted

Z Enter third crop planted

**Value type:** string

**V7610B Crops planted next season**

**Description:** List of other crops to plant in next season.

**Question text:** What do you plan to cultivate next season in the plot where you are currently growing soybean?

**Base:** All responsible farmers that cultivated soybean and rotated it the previous season (V7610 = 1)

**Value set:**

X Enter first crop planted

Y Enter second crop planted

Z Enter third crop planted

**Value type:** string

**V7611** Applied fertilizer to soybean

**Description:** Whether the household used fertilizer to cultivate its soybean crops.

**Question text:** Did you apply fertilizer to the soybean in the past year?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7611A** When applied fertilizer to soybean

**Description:** Time during cultivation that the household used fertilizer. Multiple responses are allowed.

**Question text:** At which times did you apply fertilizer to the soybean?

**Base:** All responsible farmers that cultivated soybean using fertilizer   
(V7611 = 1)

**Value set:**

A PLANTING

B EARLY GROWTH STAGE

C MID-CROP

X OTHER

**Value type:** string

**V7611AA** When applied fertilizer to soybean - planting

**Description:** Whether the household used fertilizer while planting.

**Base:** All responsible farmers that cultivated soybean using fertilizer   
(V7611 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7611AB** When applied fertilizer to soybean – early growth stage

**Description:** Whether the household used fertilizer early growth stage.

**Base:** All responsible farmers that cultivated soybean using fertilizer   
(V7611 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7611AC** When applied fertilizer to soybean – mid-crop

**Description:** Whether the household used fertilizer mid-crop.

**Base:** All responsible farmers that cultivated soybean using fertilizer   
(V7611 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7611AX** When applied fertilizer to soybean - other

**Description:** Whether the household used fertilizer at some other point.

**Base:** All responsible farmers that cultivated soybean using fertilizer   
S(V7611 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7611B** Type of fertilizer used on soybean

**Description:** Type of fertilizer that the household used to cultivate soybean crops. Multiple responses are allowed.

**Question text:** What type of fertilizer did you use?

**Base:** All responsible farmers that cultivated soybean using fertilizer   
(V7611 = 1)

**Value set:**

A SOIL-BASED ORGANIC

B SOIL-BASED INORGANIC

C FOLIAR FEEDS ORGANIC

D FOLIAR FEEDS INORGANIC

X OTHER

**Value type:** string

**V7611BA** Type of fertilizer used on soybean – soil-based organic

**Description:** Whether soil-based organic fertilizer was used to cultivate soybean crops.

**Base:** All responsible farmers that cultivated soybean using fertilizer   
(V7611 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7611BB** Type of fertilizer used on soybean – soil-based inorganic

**Description:** Whether soil-based inorganic fertilizer was used to cultivate soybean crops.

**Base:** All responsible farmers that cultivated soybean using fertilizer   
(V7611 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7611BC** Type of fertilizer used on soybean – foliar feeds organic

**Description:** Whether organic foliar feeds were used to cultivate soybean crops.

**Base:** All responsible farmers that cultivated soybean using fertilizer   
(V7611 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7611BD** Type of fertilizer used on soybean – foliar feeds inorganic

**Description:** Whether inorganic foliar feeds were used to cultivate soybean crops.

**Base:** All responsible farmers that cultivated soybean using fertilizer   
(V7611 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7611BX** Type of fertilizer used on soybean - other

**Description:** Whether some other fertilizer was used to cultivate soybean crops.

**Base:** All responsible farmers that cultivated soybean using fertilizer   
(V7611 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7611C** Name of fertilizer used on soybean

**Description:** Brand of fertilizer that was used to cultivate soybean in the past year.

**Question text:** What is the name of the fertilizer you mainly used for your soybean in the past year?

**Base:** All responsible farmers that cultivated soybean using fertilizer   
(V7611 = 1)

**Value set:**

1 FERTILIZER 1

2 FERTILIZER 2

3 FERTILIZER 3

96 OTHER

98 DON’T KNOW

**Value type:** numeric

**V7611D1** Nitrogen component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate soybean in the past year.

**Question text:** What was the ratio of nitrogen, phosphate, and potassium in the fertilizer you mainly used for your soybean in the past year?

**Base:** All responsible farmers that cultivated soybean using fertilizer   
(V7611 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7611D2** Phosphate component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate soybean in the past year.

**Base:** All responsible farmers that cultivated soybean using fertilizer   
(V7611 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7611D3** Potassium component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate soybean in the past year.

**Base:** All responsible farmers that cultivated soybean using fertilizer   
(V7611 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7611E** Applied inoculant to soybean

**Description:** Whether the respondent applied inoculant to soybean seeds in past year.

**Question text:** Inoculant is a powder that farmers can buy to apply to their soybean seeds at planting time. Inoculant helps the soybean get nitrogen so it can be more productive. Did you apply inoculant to your soybean seeds in the past year?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7612A** Applied animal manure to soybean

**Description:** Whether the respondent applied animal manure to soybean.

**Question text:** Did you apply animal manure to your soybean fields in the past year?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7612B** Method for applying animal manure to soybean

**Description:** For fields where animal manure was applied to the soybean, the method used to apply the manure.

**Question text:** How was animal manure applied to your soybean fields?

**Base:** All responsible farmers that cultivated soybean using animal manure (V7612A = 1)

**Value set:**

1 ANIMALS GRAZE AND LEAVE DUNG ON FIELD

2 MANURE APPLIED TO FIELD BY HAND

3 MANURE APPLIED TO FIELD WITH MACHINE

6 OTHER

**Value type:** numeric

**V7612C** Source of animal manure for soybean

**Description:** For fields where animal manure was applied to the soybean, the source of the animal manure.

**Question text:** Where did you get the manure you applied to your soybean fields?

**Base:** All responsible farmers that cultivated soybean using animal manure (V7612A = 1)

**Value set:**

1 PRODUCED BY OWN ANIMALS

2 GIVEN BY FAMILY/FRIEND/NEIGHBOR FARM

3 PURCHASED FROM MARKET/TRADER

**Value type:** numeric

**V7612D** Decisionmaker for using fertilizer on soybean

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s soybean.

**Question text:** When decisions are made regarding whether or not to use fertilizer for your soybean, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7612DA** Decisionmaker for using fertilizer on soybean - self

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s soybean was the respondent.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7612DB** Decisionmaker for using fertilizer on soybean – partner/spouse

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s soybean was the respondent’s partner/spouse.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7612DC** Decisionmaker for using fertilizer on soybean – other household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s soybean was another household member.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7612DD** Decisionmaker for using fertilizer on soybean – other non-household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s soybean was another non-household member.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7613** Trained on using inorganic fertilizer for soybean

**Description:** Whether the household has been trained on using inorganic fertilizers to cultivate soybean.

**Question text:** Inorganic fertilizer is a man-made fertilizer that you can buy in a bag at the shop. Have you been trained in how to use inorganic fertilizer for soybean?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7614** Insect, rodent, disease attacks on soybean in past year

**Description:** Whether there were attacks on the soybean from any insects, rodents, or diseases in the past year.

**Question text:** Did you have any insect, rodents, or disease attacks on your soybean in the past year?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7615** Used chemicals to control attacks on soybean

**Description:** Whether the household used chemicals to control attacks from insects, rodents, or other diseases on its soybean crops.

**Question text:** Did you use chemicals to control insect, rodent, or disease attacks on your soybean?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7616** Chemical use preventive or reactive

**Description:** Whether the use of chemicals to control insect, rodent, or disease attacks was preventive or in response to a previous attack on the soybean crops.

**Question text:** Was the use of chemicals preventive, or was it in response to an insect, rodent, or disease attack?

**Base:** All responsible farmers that cultivated soybean using chemicals   
(V7615 = 1)

**Value set:**

1 PREVENTIVE/ROUTINE

2 RESPONSE TO ATTACK

**Value type:** numeric

**V7617** Trained to apply pesticides for soybean

**Description:** Whether household has been trained to use pesticides in cultivating soybean.

**Question text:** Have you been trained in when to use and how to apply pesticides for soybean?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7618** Number of times controlled weeds in soybean

**Description:** Number of times the household had to control weeds in the soybean crops in the past year. If the household did not control weeds, the interviewer enters code 00.

**Question text:** How many times did you control weeds among your soybean crops in the past year?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1:20

0 NONE

**Value type:** numeric

**V7619** Method of controlling weeds in soybean

**Description:** Method used to control weeds in the soybean crops. Multiple responses are allowed.

**Question text:** How did you control the weeds among your soybean crops?

**Base:** All responsible farmers that cultivated soybean and controlled weeds (V7618 > 0)

**Value set:**

A HOE

B HERBICIDE

C MULCHING

D INTERCROPPING

E SLASHING

F PULL BY HAND

**Value type:** string

**V7619A** Method of controlling weeds in soybean - hoe

**Description:** Whether a hoe was used by household for controlling weeds among soybean crops.

**Base:** All responsible farmers that cultivated soybean and controlled weeds (V7618 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7619B** Method of controlling weeds in soybean - herbicide

**Description:** Whether herbicide was used by household for controlling weeds among soybean crops.

**Base:** All responsible farmers that cultivated soybean and controlled weeds (V7618 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7619C** Method of controlling weeds in soybean - mulching

**Description:** Whether mulching was used by household for controlling weeds among soybean crops.

**Base:** All responsible farmers that cultivated soybean and controlled weeds (V7618 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7619D** Method of controlling weeds in soybean - intercropping

**Description:** Whether intercropping was used by household for controlling weeds among soybean crops.

**Base:** All responsible farmers that cultivated soybean and controlled weeds (V7618 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7619E** Method of controlling weeds in soybean - slashing

**Description:** Whether slashing was used by household for controlling weeds among soybean crops.

**Base:** All responsible farmers that cultivated soybean and controlled weeds (V7618 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7619F** Method of controlling weeds in soybean – pull by hand

**Description:** Whether the household controlled weeds by pulling by hand among soybean crops.

**Base:** All responsible farmers that cultivated soybean and controlled weeds (V7618 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7620** Trained on using herbicides for soybean

**Description:** Whether the household has been trained on using herbicides for cultivating soybean crops.

**Question text:** Have you been trained on when to use and how to apply herbicides for soybean?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7621A** Managed soil and water for soybean using terracing

**Description:** Whether the household used terracing to manage the soil and water for cultivating the soybean crops.

**Question text:** In the past year, did you use any of the following techniques to manage soil and water for your soybean crop? Terracing?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7621B** Managed soil and water for soybean using mulching

**Description:** Whether the household used mulching to manage the soil and water for cultivating the soybean crops.

**Question text:** Mulching?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7621C** Managed soil and water for soybean using soil bands or trenches

**Description:** Whether the household used soil bands or trenches to manage the soil and water for cultivating the soybean crops.

**Question text:** Soil bands or trenches?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7621D** Managed soil and water for soybean by adding lime to the soil

**Description:** Whether the household added lime to the soil to manage the soil and water for cultivating the soybean crops.

**Question text:** Adding lime to the soil?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7621X** Managed soil and water for soybean using other techniques

**Description:** Whether the household used any other techniques to manage the soil and water for cultivating the soybean crops.

**Question text:** Some other techniques?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7622** Used any irrigation methods other than rainfall

**Description:** Whether the household used any irrigation methods other than rainfall to cultivate soybean crops.

**Question text:** Besides rainfall, did you use any additional irrigation methods for the soybean?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7623** Type of irrigation used for soybean

**Description:** Method of irrigation used to cultivate soybean other than rainfall. Multiple responses are allowed.

**Question text:** What type of irrigation did you use?

**Base:** All responsible farmers that cultivated soybean using irrigation methods (V7622 = 1)

**Value set:**

A DRIP IRRIGATION

B GRAVITY SYSTEM

C ASPIRATION

D PUMP SYSTEM

E BY HAND (WATERING CAN, HOSE, ETC)

X OTHER

**Value type:** string

**V7623A1** Type of irrigation used for soybean – drip irrigation

**Description:** For households that used irrigation, whether drip irrigation was used for soybean cultivation.

**Base:** All responsible farmers that cultivated soybean using additional irrigation (V7622 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7623B1** Type of irrigation used for soybean – gravity system

**Description:** For households that used irrigation, whether gravity system irrigation was used for soybean cultivation.

**Base:** All responsible farmers that cultivated soybean using additional irrigation (V7622 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7623C1** Type of irrigation used for soybean – aspiration

**Description:** For households that used irrigation, whether aspiration irrigation was used for soybean cultivation.

**Base:** All responsible farmers that cultivated soybean using additional irrigation (V7622 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7623D1** Type of irrigation used for soybean – pump system

**Description:** For households that used irrigation, whether pump system irrigation was used for soybean cultivation.

**Base:** All responsible farmers that cultivated soybean using additional irrigation (V7622 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7623E1** Type of irrigation used for soybean – by hand

**Description:** For households that used irrigation, whether hand irrigation, such as watering can or hose, was used for soybean cultivation.

**Base:** All responsible farmers that cultivated soybean using additional irrigation (V7622 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7623X1** Type of irrigation used for soybean - other

**Description:** For households that used irrigation, whether some other method of irrigation was used for soybean cultivation.

**Base:** All responsible farmers that cultivated soybean using additional irrigation (V7622 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7623A** Decisionmaker for irrigation of soybean

**Description:** Most common decisionmaker regarding whether to irrigate the household’s soybean.

**Question text:** When decisions are made regarding whether or not to irrigate the soybean crop, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7623AA** Decisionmaker for irrigation of soybean - self

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s soybean was the respondent.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7623AB** Decisionmaker for irrigation of soybean – partner/spouse

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s soybean was the respondent’s partner/spouse.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7623AC** Decisionmaker for irrigation of soybean – other household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s soybean was another household member.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7623AD** Decisionmaker for irrigation of soybean – other non-household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s soybean was another non-household member.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7624** Method for harvesting soybean

**Description:** Method for harvesting the soybean.

**Question text:** How did you harvest the soybean?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 WITH A SICKLE

2 WITH A SCYTHE

3 WITH A MOTORIZED HARVESTER

4 NOT YET HARVESTED

**Value type:** numeric

**V7625** Dried soybean before sale or use

**Description:** Whether the household dried any of the soybean before selling or using the soybean.

**Question text:** Did you dry any of your soybean harvest before sale or use?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7626** What soybean were dried on

**Description:** Surface that soybean were dried on before use. Multiple responses are allowed.

**Question text:** What did you dry the soybean on?

**Base:** All responsible farmers that cultivated soybean and dried before sale or use (V7625 = 1)

**Value set:**

A BARE GROUND

B GROUND PLASTERED WITH COW DUNG

C GROUND COVERED WITH STRAW

D LEFT TO DRY ON PLANT IN FIELD

E TARPAULINS

F DRYING YARD WITH CEMENTED GROUND

G DRYING RACKS

H SOLAR DRYERS

I MECHANIZED DRYERS

X OTHER

**Value type:** string

**V7626A** What soybean were dried on – bare ground

**Description:** For households that dried their soybean, whether the soybean were dried on bare ground.

**Base:** All responsible farmers that cultivated soybean and dried them before sale or use (V7625 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7626B** What soybean were dried on – ground covered with straw

**Description:** For households that dried their soybean, whether the soybean were dried on ground covered with straw.

**Base:** All responsible farmers that cultivated soybean and dried them before sale or use (V7625 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7626C** What soybean were dried on – ground plastered with cow dung

**Description:** For households that dried their soybean, whether the soybean were dried on ground plastered with cow dung.

**Base:** All responsible farmers that cultivated soybean and dried them before sale or use (V7625 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7626D** What soybean were dried on – left to dry on plant in field

**Description:** For households that dried their soybean, whether the soybean were dried on plants in field.

**Base:** All responsible farmers that cultivated soybean and dried them before sale or use (V7625 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7626E** What soybean were dried on - tarpaulins

**Description:** For households that dried their soybean, whether the soybean were dried on tarpaulins.

**Base:** All responsible farmers that cultivated soybean and dried them before sale or use (V7625 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7626F** What soybean were dried on – drying yard with cemented ground

**Description:** For households that dried their soybean, whether the soybean were dried on drying yard with cemented ground.

**Base:** All responsible farmers that cultivated soybean and dried them before sale or use (V7625 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7626G** What soybean were dried on – drying racks

**Description:** For households that dried their soybean, whether the soybean were dried on drying racks.

**Base:** All responsible farmers that cultivated soybean and dried them before sale or use (V7625 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7626H** What soybean were dried on – solar dryers

**Description:** For households that dried their soybean, whether the soybean were dried on solar dryers.

**Base:** All responsible farmers that cultivated soybean and dried them before sale or use (V7625 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7626I** What soybean were dried on – mechanized dryers

**Description:** For households that dried their soybean, whether the soybean were dried on mechanized dryers.

**Base:** All responsible farmers that cultivated soybean and dried them before sale or use (V7625 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7626X** What soybean were dried on - other

**Description:** For households that dried their soybean, whether the soybean were dried on some other surface.

**Base:** All responsible farmers that cultivated soybean and dried them before sale or use (V7625 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7627** How soybean were threshed

**Description:** Method used to thresh the soybean before use. Multiple responses are allowed.

**Question text:** How did you thresh the soybean?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

A BY HAND ONLY

B BEAT WITH STICKS

C USED A TREADLE THRESHER

D USED A MOTORIZED THRESHER

E DID NOT THRESH

X OTHER

**Value type:** string

**V7627A1** How soybean were threshed – by hand only

**Description:** Whether the soybean were threshed by hand only.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7627B1** How soybean were threshed – beat with sticks

**Description:** Whether sticks were used to thresh the soybean after drying.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7627C1** How soybean were threshed – used a treadle thresher

**Description:** Whether a treadle thresher was used to thresh the soybean after drying.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7627D1** How soybean were threshed – used a motorized thresher

**Description:** Whether a motorized thresher was used to thresh the soybean after drying.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7627E1** How soybean were threshed – did not thresh

**Description:** Whether the soybean were not threshed after drying.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7627X1** How soybean were threshed - other

**Description:** Whether some other method was used to thresh the soybean after drying.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7627A** Use for remainder of soybean plant after threshing

**Description:** Use for remainder from the soybean after threshing.

**Question text:** After threshing the soybeans, what was done with the rest of the plant, for example, the stems, leaves, and pod covers?

**Base:** All responsible farmers that cultivated and threshed soybean   
(V7627 <> E)

**Value set:**

A BURNED

B INCORPORATED BACK INTO THE SOIL

C USED AS BEDDING FOR OWN LIVESTOCK

D USED AS COOKING FUEL

E LEFT IN FIELD FOR GRAZING BY ANIMALS

F FED TO OWN ANIMALS

G SOLD TO OTHERS

X OTHER

**Value type:** string

**V7627AA** Use of remainder of soybean after threshing – burned

**Description:** Remainder was burned after threshing the soybean.

**Base:** All responsible farmers that cultivated and threshed soybean   
(V7627 <> E)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7627AB** Use of remainder of soybean after threshing – incorporated back into the soil

**Description:** Remainder was incorporated back into the soil after threshing the soybean.

**Base:** All responsible farmers that cultivated and threshed soybean   
(V7627 <> E)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7627AC** Use of remainder of soybean after threshing – used as bedding for own livestock

**Description:** Remained was used as bedding for own livestock after threshing the soybean.

**Base:** All responsible farmers that cultivated and threshed soybean   
(V7627 <> E)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7627AD** Use of remainder of soybean after threshing – used as cooking fuel

**Description:** Remainder was used as cooking fuel after threshing the soybean.

**Base:** All responsible farmers that cultivated and threshed soybean   
(V7627 <> E)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7627AE** Use of remainder of soybean after threshing – left in field for grazing by animals

**Description:** Remainder was left in the field for grazing by animals after threshing the soybean.

**Base:** All responsible farmers that cultivated and threshed soybean   
(V7627 <> E)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7627AF** Use of remainder of soybean after threshing – fed to own animals

**Description:** Remainder was used as food for own animals after threshing the soybean.

**Base:** All responsible farmers that cultivated and threshed soybean (V7627 <> E)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7627AG** Use of remainder of soybean after threshing – sold to others

**Description:** Remainder was sold to others after threshing the soybean.

**Base:** All responsible farmers that cultivated and threshed soybean   
(V7627 <> E)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7627AX** Use of remainder of soybean after threshing - other

**Description:** Remainder was used for other uses after threshing the soybean.

**Base:** All responsible farmers that cultivated and threshed soybean   
(V7627 <> E)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7628** Soybean bagged for storage/transport

**Description:** Whether the soybean were stored in bags after harvesting for either storage or transport, or both.

**Question text:** After harvest, did you put the soybean in bags or other containers for storage or transport?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES, IN BUCKETS

2 YES, IN DRUMS

3 YES, IN BAGS

4 NO

**Value type:** numeric

**V7629** Type of storage bag used for soybean

**Description:** For households that bagged their soybean, the type of storage bag that the household used.

**Question text:** What type of storage bag did you use for the soybean?

**Base:** All responsible farmers that cultivated soybean and stored in bags (V7628= 3)

**Value set:**

A WOVEN BAG, SINGLE LAYER

B TWO- OR THREE-LAYERED WOVEN BAGS

C HERMETIC BAG

**Value type:** string

**V7629A** Type of storage bag used for soybean – woven bag, single layer

**Description:** For households that bagged their soybean, the household used woven bag, single layer.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7629B** Type of storage bag used for soybean – two- or three-layered woven bags

**Description:** For households that bagged their soybean, the household used two- or three-layered woven bags.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7629C** Type of storage bag used for soybean – hermetic bag

**Description:** For households that bagged their soybean, the household used hermetic bag.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7630AA** Stored soybean in residential house

**Description:** Whether the household stored soybean in a residential house.

**Question text:** Did you use any of the following storage locations to store the soybean? Residential house?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7630B** Stored soybean in cribs

**Description:** Whether the household stored soybean in cribs.

**Question text:** Cribs?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7630C** Stored soybean in granaries

**Description:** Whether the household stored soybean in granaries.

**Question text:** Granaries?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7630D** Stored soybean in other constructed stores

**Description:** Whether the household stored soybean in other constructed stores.

**Question text:** Other constructed stores?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7630E** Stored soybean in warehouses

**Description:** Whether the household stored soybean in warehouses.

**Question text:** Warehouses?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7630F** Stored soybean in storage silos

**Description:** Whether the household stored soybean in storage silos.

**Question text:** Storage silos?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7630X** Stored soybean in other locations

**Description:** Whether the household stored soybean in some other type of location.

**Question text:** Some other type of location?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7630AA** Any type of storage used filter

**Description:** Whether the household stored its soybean in any type of storage. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7631** Soybean attacked by insects, rodents, disease

**Description:** Whether the soybean were attacked by any insects, rodents, or disease while being stored.

**Question text:** Were your soybean attacked by insects, rodents, or disease while in storage?

**Base:** All responsible farmers that cultivated soybean and stored them (at least one of V7630AA = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7632** Source of information for soybean crop success

**Description:** Main source of information the respondent relies on to help grow his or her soybean crops well.

**Question text:** What information source do you rely on the most to help you grow your soybean crop well?

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 FRIEND/NEIGHBOR

2 AGRO-INPUT DEALER

3 AG EXTENSION WORKER

4 SCHOOL

5 RADIO PROGRAM

6 TELEVISION

7 MOBILE PHONE MESSAGING

8 INTERNET

96 OTHER

**Value type:** numeric

**V7633H** Module 7.6: stop hour

**Description:** Time of the stop of the data collection for Module 7.6, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated soybean in the past year

**Value set:** = 0:23

**Value type:** numeric

**V7633M** Module 7.6: stop minute

**Description:** Time of the stop of the data collection for Module 7.6, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated soybean in the past year

**Value set:** 0:59

**Value type:** numeric

**D7633** Module 7.6: stop day

**Description:** Day of the stop date for data collection for Module 7.6.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M7633** Module 7.6: stop month

**Description:** Month of the stop date for data collection for Module 7.6.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y7633** Module 7.6: stop year

**Description:** Year of the stop date for the data collection for Module 7.6.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V7634** Outcome of the module

**Description:** Result code of Module 7.6. Code 3 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** All responsible farmers that cultivated soybean

**Value set:**

1 COMPLETED

2 MODULE RESPONDENT NOT AT HOME

3 POSTPONED/UNAVAILABLE

4 REFUSED

5 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

**V7635** Interviewer number for Module 7.6

**Description:** Identification code for the interviewer assigned to Module 7.6, unique for each interviewer participating in fieldwork.

**Base:** All responsible farmers that cultivated soybean

**Value set:** 11:909

**Value type:** numeric

# Module 7.7 (MOD\_77): Agricultural Technologies – Paddy Rice

**V7700AH** Module 7.7: start hour

**Description:** Time of the start of the data collection for Module 7.7, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:** 0:23

**Value type:** numeric

**V7700AM** Module 7.7: start minute

**Description:** Time of the start of the data collection for Module 7.7, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:** 0:59

**Value type:** numeric

**D7700** Module 7.7: start day

**Description:** Day of the start date for data collection for Module 7.7.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M7700**  Module 7.7: start month

**Description:** Month of the start date for data collection for Module 7.7.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y7700**  Module 7.7: start year

**Description:** Year of the start date for the data collection for Module 7.7.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V7700C** Line number of respondent Module 7.7

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 7.7.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:** 1:50

**Value type:** numeric

**V7700D** Consent obtained

**Description:** Whether the respondent to Module 7.7 has agreed to be interviewed and included in the survey. If the respondent has not agreed, the interview may not continue.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7700E** Plots responsible for

**Description:** Which plots in the household that the respondent is mainly responsible for paddy rice – determined from the farmer’s plot map. Automatically filled in CAPI.

**Base:** All responsible farmers that cultivated paddy rice in the past year

**Value set:**

A PLOT 1

B PLOT 2

C PLOT 3

D PLOT 4

E PLOT 5

F PLOT 6

G PLOT 7

H PLOT 8

**Value type:** string

**V7701** Type of land preparation for paddy rice

**Description:** Type of land preparation that was used for cultivating paddy rice in the past year. Multiple responses are allowed.

**Question text:** What kind of land preparation did you use for the paddy rice you planted in the past year?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

A NONE

B ZERO TILLAGE

C HAND WEEDING

D PLOUGHING

X OTHER

**Value type:** string

**V7701A** Type of land preparation for paddy rice - none

**Description:** Whether no land preparation was used for cultivating paddy rice in the past year.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7701B** Type of land preparation for paddy rice – zero tillage

**Description:** Whether zero tillage land preparation was used for cultivating paddy rice in the past year.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7701C** Type of land preparation for paddy rice – hand weeding

**Description:** Whether hand weeding land preparation was used for cultivating paddy rice in the past year.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7701D** Type of land preparation for paddy rice - ploughing

**Description:** Whether ploughing land preparation was used for cultivating paddy rice in the past year.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7701X** Type of land preparation for paddy rice - other

**Description:** Whether some other land preparation was used for cultivating paddy rice in the past year.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7702** Zero tillage used for paddy rice filter

**Description:** Whether the response to V7701 included the zero tillage method. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated paddy rice using land preparation (V7701 in B,C,X)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7703** Type of zero tillage used for paddy rice

**Description:** Type of zero tillage method used for cultivating paddy rice. Multiple responses are allowed.

**Question text:** What kind of zero tillage system did you use on the land where you planted paddy rice?

**Base:** All responsible farmers that cultivated paddy rice using zero tillage   
(V7701 = B)

**Value set:**

A SLASH AND PLANT

B BURN AND PLANT

C HERBICIDE AND PLANT

X OTHER

**Value type:** string

**V7703A** Type of zero tillage used for paddy rice – slash and plant

**Description:** Whether the slash and plant method of zero tillage was used for cultivating paddy rice.

**Base:** All responsible farmers that cultivated paddy rice using zero tillage (V7701 = B)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7703B** Type of zero tillage used for paddy rice – burn and plant

**Description:** Whether the burn and plant method of zero tillage was used for cultivating paddy rice.

**Base:** All responsible farmers that cultivated paddy rice using zero tillage (V7701 = B)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7703C** Type of zero tillage used for paddy rice – herbicide and plant

**Description:** Whether the herbicide and plant method of zero tillage was used for cultivating paddy rice.

**Base:** All responsible farmers that cultivated paddy rice using zero tillage   
(B in V7701)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7703X** Type of zero tillage used for paddy rice - other

**Description:** Whether some other method of zero tillage was used for cultivating paddy rice.

**Base:** All responsible farmers that cultivated paddy rice using zero tillage   
(B in V7701)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7704** Ploughing methods used for paddy rice

**Description:** Whether the response to V7701 included the ploughing method. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated paddy rice using land preparation (V7701 in B,C,X)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7705** Method used for ploughing for paddy rice

**Description:** Type of ploughing method used for cultivating paddy rice. Multiple responses are allowed.

**Question text:** What did you use for ploughing the land where you planted paddy rice?

**Base:** All responsible farmers that cultivated paddy rice using ploughing (V7701 = C)

**Value set:**

A HAND TILLAGE (HOE)

B ANIMAL TRACTION

C MOTORIZED TILLER

D TRACTOR

X OTHER

**Value type:** string

**V7705A** Method used for ploughing for paddy rice – hand tillage (hoe)

**Description:** Whether the hand tillage (hoe) method of ploughing was used for cultivating paddy rice.

**Base:** All responsible farmers that cultivated paddy rice using ploughing   
(C in V7701)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7705B** Method used for ploughing for paddy rice – animal traction

**Description:** Whether animal traction ploughing was used for cultivating paddy rice.

**Base:** All responsible farmers that cultivated paddy rice using ploughing   
(C in V7701)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7705C** Method used for ploughing for paddy rice – motorized tiller

**Description:** Whether motorized tiller ploughing was used for cultivating paddy rice.

**Base:** All responsible farmers that cultivated paddy rice using ploughing   
(C in V7701)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7705D** Method used for ploughing for paddy rice – tractor

**Description:** Whether tractor ploughing was used for cultivating paddy rice.

**Base:** All responsible farmers that cultivated paddy rice using ploughing   
(C in V7701)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7705X** Method used for ploughing for paddy rice - other

**Description:** Whether some other method of ploughing was used for cultivating paddy rice.

**Base:** All responsible farmers that cultivated paddy rice using ploughing   
(C in V7701)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7706** Main source of rice seed

**Description:** Main source of seed used in cultivation of paddy rice.

**Question text:** What was your main source of rice seed?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 OWN SAVED SEED, SEED FROM FRIEND/RELATIVE   
(NOT PURCHASED)

2 BOUGHT FROM FRIEND/RELATIVE

3 BOUGHT IN MARKET

4 BOUGHT FROM AG DEALER WITH CASH

5 BOUGHT FROM AG DEALER WITH VOUCHER

6 AID DISTRIBUTION

96 OTHER

**Value type:** numeric

**V7707** Type of rice seed planted

**Description:** Type of rice seed that the household planted in the past year.

**Question text:** What type of rice seed did you plant in the past year?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

A UNIMPROVED LOCAL VARIETIES

B IMPROVED VARIETIES

Y DON’T KNOW

**Value type:** string

**V7707A1** Type of rice seed planted – unimproved local varieties

**Description:** Unimproved local varieties of rice seed planted in the past year by the household.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7707B1** Type of rice seed planted – improved varieties

**Description:** Improved varieties of rice seed planted in the past year by the household.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7707Y1** Type of rice seed planted – don’t know

**Description:** Do not know type of rice seed planted in the past year by the household.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7707X** More than one type of seed planted filter

**Description:** Filter for determining if more than one type of rice seed was planted by the household. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7707A** Rice seed traditional/local or modern/improved

**Description:** For respondents that planted more than one type of seed, the mix of the seed between traditional/local and modern/improved.

**Question text:** Would you say that most of the rice seed you planted was traditional, local seed, or was it modern, improved seed?

**Base:** All responsible farmers that cultivated paddy rice using more than one type of seed

**Value set:**

1 MOSTLY TRADITIONAL/LOCAL SEED

2 MOSTLY MODERN/IMPROVED SEED

3 HALF TRADITIONAL/HALF IMPROVED

8 DON’T KNOW

**Value type:** numeric

**V7707B** Decisionmaker for kind of rice seed planted

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant. Multiple responses are allowed.

**Question text:** When decisions are made regarding what kind of rice seed to plant, who is it that normally makes the decision?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7707BA** Decisionmaker for kind of rice seed planted - self

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is the respondent.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7707BB** Decisionmaker for kind of rice seed planted – partner/spouse

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is the partner/spouse of the respondent.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7707BC** Decisionmaker for kind of rice seed planted – other HH member

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is another household member.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7707BD** Decisionmaker for kind of rice seed planted – other non-HH member

**Description:** The main decisionmaker regarding decisions about what kind of seed to plant is another non-household member.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7708** Paddy rice used food and/or market

**Description:** Whether the household grew paddy rice for household food, sale in the market, or both.

**Question text:** Did you grow your paddy rice crop: To provide food for the household? To be sold or traded in the market? Both for food and for the market?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 GROWN FOR FOOD ONLY

2 GROWN FOR MARKET ONLY

3 GROWN FOR BOTH FOOD & MARKET

6 OTHER

**Value type:** numeric

**V7708A** Planting method for paddy rice – sow directly or plant seedlings

**Description:** Method that the household used to plant its paddy rice.

**Question text:** Did you sow rice seed directly in the paddy, did you plant seedlings in your rice paddy, or did you both sow seed directly and plant some seedlings?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 SEED SOWN DIRECTLY ONLY

2 ONLY SEEDLINGS PLANTED

3 SOME SEED SOWN, SOME SEEDLINGS

**Value type:** numeric

**V7708B** Seedlings started or purchased

**Description:** Whether seedlings that the household planted were started by the household or purchased.

**Question text:** Did you start your own seedlings, or did you purchase them?

**Base:** All responsible farmers that cultivated paddy rice using seedlings   
(V7708A <> 1)

**Value set:**

1 STARTED OWN SEEDLINGS

2 PURCHASED SEEDLINGS

**Value type:** numeric

**V7708C** Rice seedling nursery registered

**Description:** Whether the nursery that the rice seedling were purchased from is registered.

**Question text:** Was the nursery where you purchased the rice seedlings a registered or certified nursery?

**Base:** All responsible farmers that cultivated paddy rice using purchased seedlings (V7708B = 2)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7709** Planted only seedlings filter

**Description:** Whether the household farmer planted only seedlings for paddy rice. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated paddy that planted seedlings only

**Value set:**

1 YES, ONLY SEEDLINGS PLANTED

2 NO, SOME SEEDS SOWN DIRECTLY

**Value type:** numeric

**V7709A** Planting method for paddy rice – scatter method

**Description:** Method that the household used to plant its paddy rice.

**Question text:** Some farmers plant rice seeds in rows and some randomly broadcast their rice seeds. How did you plant your rice seeds?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 IN ROWS

2 RANDOMLY BROADCAST

3 SOME IN ROWS AND SOME RANDOMLY BROADCAST

**Value type:** numeric

**V7709B** Planting method for paddy rice – crop mixing

**Description:** Whether the paddy rice was planted with other crops in the past year.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 ALONE

2 WITH OTHER CROPS

3 SOME ALONE AND SOME WITH OTHER CROPS

**Value type:** numeric

**V7709C** Crops planted together with paddy rice

**Description:** If the paddy rice was planted with other crops in the same plot in the past year, names of those crops.

**Base:** All responsible farmers that cultivated paddy rice in plots with other crops (V7709A <> 1)

**Value set:**

X Enter first crop planted

Y Enter second crop planted

Z Enter third crop planted

**Value type:** string

**V7709D** Raise fish in rice paddies

**Description:** Whether the household raises fish in its rice paddies.

**Question text:** Some farmers raise fish in their rice paddies. Do you raise fish in your rice paddy?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7709E** Reason for raising fish in rice paddies

**Description:** For households that raise fish in their rice paddies, main reason for doing so.

**Question text:** Why do you raise fish in your rice paddy?

**Base:** All responsible farmers that raised fish in their rice paddies (V7709D = 1)

**Value set:**

1 REASON 1

2 REASON 2

3 REASON 3

6 OTHER

**Value type:** numeric

**V7709F** Decisionmaker for planting other crops with paddy rice

**Description:** Most common decisionmaker regarding whether to plant other crops with the household’s paddy rice.

**Question text:** When decisions are made regarding whether or not to plant other crops with the household’s paddy rice, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7709FA** Decisionmaker for planting other crops with paddy rice - self

**Description:** Most common decisionmaker regarding whether to plant other crops with the household’s paddy rice was the respondent.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7709FB** Decisionmaker for planting other crops with paddy rice – partner/spouse

**Description:** Most common decisionmaker regarding whether to plant other crops with the household’s paddy rice was the respondent’s partner/spouse.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7709FC** Decisionmaker for planting other crops with paddy rice – other household member

**Description:** Most common decisionmaker regarding whether to plant other crops with the household’s paddy rice was another household member.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7709FD** Decisionmaker for planting other crops with paddy rice – other non-household member

**Description:** Most common decisionmaker regarding whether to plant other crops with the household’s paddy rice was another non-household member.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7710** Rotate paddy rice with another crop

**Description:** Whether the household rotated its paddy rice crops with another type of crop during the previous season.

**Question text:** Over the past two planting seasons, did you rotate paddy rice with another crop planted in the same plot area?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V7710A** Crops planted previous season

**Description:** List of other crops planted in plot previous season.

**Question text:** What was cultivated in the plot in the season before you planted the paddy rice?

**Base:** All responsible farmers that cultivated paddy rice and rotated it the previous season (V7710 = 1)

**Value set:**

X Enter first crop planted

Y Enter second crop planted

Z Enter third crop planted

**Value type:** string

**V7711** Applied fertilizer to paddy rice

**Description:** Whether the household used fertilizer to cultivate its paddy rice crops.

**Question text:** Did you apply fertilizer to the paddy rice in the past year?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7711A** When applied fertilizer to paddy rice

**Description:** Time during cultivation that the household used fertilizer. Multiple responses are allowed.

**Question text:** At which times did you apply fertilizer to the paddy rice?

**Base:** All responsible farmers that cultivated paddy rice using fertilizer   
(V7711 = 1)

**Value set:**

A PLANTING

B EARLY GROWTH STAGE

C MID-CROP

X OTHER

**Value type:** string

**V7711AA** When applied fertilizer to paddy rice - planting

**Description:** Whether the household used fertilizer while planting.

**Base:** All responsible farmers that cultivated paddy rice using fertilizer   
(V7711 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7711AB** When applied fertilizer to paddy rice – early growth stage

**Description:** Whether the household used fertilizer early growth stage.

**Base:** All responsible farmers that cultivated paddy rice using fertilizer   
(V7711 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7711AC** When applied fertilizer to paddy rice – mid-crop

**Description:** Whether the household used fertilizer mid-crop.

**Base:** All responsible farmers that cultivated paddy rice using fertilizer   
(V7711 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7711AX** When applied fertilizer to paddy rice - other

**Description:** Whether the household used fertilizer at some other point.

**Base:** All responsible farmers that cultivated paddy rice using fertilizer   
(V7711 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7711B** Type of fertilizer used on paddy rice

**Description:** Type of fertilizer that the household used to cultivate paddy rice crops. Multiple responses are allowed.

**Question text:** What type of fertilizer did you use?

**Base:** All responsible farmers that cultivated paddy rice using fertilizer   
(V7711 = 1)

**Value set:**

A SOIL-BASED ORGANIC

B SOIL-BASED INORGANIC

C FOLIAR FEEDS ORGANIC

D FOLIAR FEEDS INORGANIC

X OTHER

**Value type:** string

**V7711BA** Type of fertilizer used on paddy rice – soil-based organic

**Description:** Whether soil-based organic fertilizer was used to cultivate paddy rice crops.

**Base:** All responsible farmers that cultivated paddy rice using fertilizer   
(V7711 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7711BB** Type of fertilizer used on paddy rice – soil-based inorganic

**Description:** Whether soil-based inorganic fertilizer was used to cultivate paddy rice crops.

**Base:** All responsible farmers that cultivated paddy rice using fertilizer   
(V7711 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7711BC** Type of fertilizer used on paddy rice – foliar feeds organic

**Description:** Whether organic foliar feeds were used to cultivate paddy rice crops.

**Base:** All responsible farmers that cultivated paddy rice using fertilizer   
(V7711 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7711BD** Type of fertilizer used on paddy rice – foliar feeds inorganic

**Description:** Whether inorganic foliar feeds were used to cultivate paddy rice crops.

**Base:** All responsible farmers that cultivated paddy rice using fertilizer   
(V7711 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7711BX** Type of fertilizer used on paddy rice - other

**Description:** Whether some other fertilizer was used to cultivate paddy rice crops.

**Base:** All responsible farmers that cultivated paddy rice using fertilizer   
(V7711 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7711C** Name of fertilizer used on paddy rice

**Description:** Brand of fertilizer that was used to cultivate paddy rice in the past year.

**Question text:** What is the name of the fertilizer you mainly used for your paddy rice in the past year?

**Base:** All responsible farmers that cultivated paddy rice using fertilizer   
(V7711 = 1)

**Value set:**

1 FERTILIZER 1

2 FERTILIZER 2

3 FERTILIZER 3

96 OTHER

98 DON’T KNOW

**Value type:** numeric

**V7711D1** Nitrogen component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate paddy rice in the past year.

**Question text:** What was the ratio of nitrogen, phosphate, and potassium in the fertilizer you mainly used for your paddy rice in the past year?

**Base:** All responsible farmers that cultivated paddy rice using fertilizer   
(V7711 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7711D2** Phosphate component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate paddy rice in the past year.

**Base:** All responsible farmers that cultivated paddy rice using fertilizer   
(V7711 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7711D3** Potassium component of fertilizer ratio

**Description:** Brand of fertilizer that was used to cultivate paddy rice in the past year.

**Base:** All responsible farmers that cultivated paddy rice using fertilizer   
(V7711 = 1)

**Value set:**

0-90

98 DON’T KNOW

**Value type:** numeric

**V7712A** Applied animal manure to paddy rice

**Description:** Whether the respondent applied animal manure to paddy rice.

**Question text:** Did you apply animal manure to your paddy rice fields in the past year?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7712B** Method for applying animal manure to paddy rice

**Description:** For fields where animal manure was applied to the paddy rice, the method used to apply the manure.

**Question text:** How was animal manure applied to your paddy rice fields?

**Base:** All responsible farmers that cultivated paddy rice using animal manure (V7712A = 1)

**Value set:**

1 ANIMALS GRAZE AND LEAVE DUNG ON FIELD

2 MANURE APPLIED TO FIELD BY HAND

3 MANURE APPLIED TO FIELD WITH MACHINE

6 OTHER

**Value type:** numeric

**V7712C** Source of animal manure for paddy rice

**Description:** For fields where animal manure was applied to the paddy rice, the source of the animal manure.

**Question text:** Where did you get the manure you applied to your paddy rice fields?

**Base:** All responsible farmers that cultivated paddy rice using fertilizer   
(V7712A = 1)

**Value set:**

1 PRODUCED BY OWN ANIMALS

2 GIVEN BY FAMILY/FRIEND/NEIGHBOR FARM

3 PURCHASED FROM MARKET/TRADER

**Value type:** numeric

**V7712D** Decisionmaker for using fertilizer on paddy rice

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s paddy rice.

**Question text:** When decisions are made regarding whether or not to use fertilizer for your paddy rice, who is it that normally takes the decision?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V7712DA** Decisionmaker for using fertilizer on paddy rice - self

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s paddy rice was the respondent.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7712DB** Decisionmaker for using fertilizer on paddy rice – partner/spouse

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s paddy rice was the respondent’s partner/spouse.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7712DC** Decisionmaker for using fertilizer on paddy rice – other household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s paddy rice was another household member.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7712DD** Decisionmaker for using fertilizer on paddy rice – other non-household member

**Description:** Most common decisionmaker regarding whether to use fertilizer for the household’s paddy rice was another non-household member.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7713** Trained on using inorganic fertilizer for paddy rice

**Description:** Whether the household has been trained on using inorganic fertilizers to cultivate paddy rice.

**Question text:** Inorganic fertilizer is a man-made fertilizer that you can buy in a bag at the shop. Have you been trained in how to use inorganic fertilizer for paddy rice?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7714** Insect, rodent, disease attacks on paddy rice in past year

**Description:** Whether there were attacks on the paddy rice from any insects, rodents, or diseases in the past year.

**Question text:** Did you have any insect, rodents, or disease attacks on your paddy rice in the past year?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7715** Used chemicals to control attacks on paddy rice

**Description:** Whether the household used chemicals to control attacks from insects, rodents, or other diseases on its paddy rice crops.

**Question text:** Did you use chemicals to control insect, rodent, or disease attacks on the paddy rice?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7716** Chemical use preventive or reactive

**Description:** Whether the use of chemicals to control insect, rodent, or disease attacks was preventive or in response to a previous attack on the paddy rice crops.

**Question text:** Was the use of chemicals preventive, or was it in response to an insect, rodent, or disease attack?

**Base:** All responsible farmers that cultivated paddy rice using chemicals (V7715 = 1)

**Value set:**

1 PREVENTIVE/ROUTINE

2 RESPONSE TO ATTACK

**Value type:** numeric

**V7717** Trained to apply pesticides for paddy rice

**Description:** Whether household has been trained to use pesticides in cultivating paddy rice.

**Question text:** Have you been trained on when to use and how to apply pesticides for paddy rice?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7718** Number of times controlled weeds in paddy rice

**Description:** Number of times the household had to control weeds in the paddy rice crops in the past year. If the household did not control weeds, the interviewer enters code 00.

**Question text:** How many times did you control weeds among your paddy rice crops in the past year?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1:20

00 NONE

**Value type:** numeric

**V7719** Method of controlling weeds in paddy rice

**Description:** Method used to control weeds in the paddy rice crops. Multiple responses are allowed.

**Question text:** How did you control the weeds among your paddy rice crops?

**Base:** All responsible farmers that cultivated paddy rice and controlled weeds (V7718 > 0)

**Value set:**

A HOE

B HERBICIDE

C INTERCROPPING

D SLASHING

E PULL BY HAND

**Value type:** string

**V7719A** Method of controlling weeds in paddy rice - hoe

**Description:** Whether a hoe was used by household for controlling weeds among paddy rice crops.

**Base:** All responsible farmers that cultivated paddy rice and controlled weeds (V7718 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7719B** Method of controlling weeds in paddy rice - herbicide

**Description:** Whether herbicide was used by household for controlling weeds among paddy rice crops.

**Base:** All responsible farmers that cultivated paddy rice and controlled weeds (V7718 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7719C** Method of controlling weeds in paddy rice - intercropping

**Description:** Whether intercropping was used by household for controlling weeds among paddy rice crops.

**Base:** All responsible farmers that cultivated paddy rice and controlled weeds (V7718 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7719D** Method of controlling weeds in paddy rice - slashing

**Description:** Whether slashing was used by household for controlling weeds among paddy rice crops.

**Base:** All responsible farmers that cultivated paddy rice and controlled weeds (V7718 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7719E** Method of controlling weeds in paddy rice – pull by hand

**Description:** Whether the household controlled weeds by pulling by hand among paddy rice crops.

**Base:** All responsible farmers that cultivated paddy rice and controlled weeds (V7718 > 0)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7720** Trained on using herbicides for paddy rice

**Description:** Whether the household has been trained on using herbicides for cultivating paddy rice crops.

**Question text:** Have you been trained on when to use and how to apply herbicides for paddy rice?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7721A** Managed soil and water for paddy rice using terracing

**Description:** Whether the household used terracing to manage the soil and water for cultivating the paddy rice crops.

**Question text:** In the past year, did you use any of the following techniques to manage soil and water for your paddy rice crop? Terracing?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7721B** Managed soil and water for paddy rice using soil bands or trenches

**Description:** Whether the household used soil bands or trenches to manage the soil and water for cultivating the paddy rice crops.

**Question text:** Soil bands or trenches?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7721C** Managed soil and water for paddy rice by adding lime to the soil

**Description:** Whether the household added lime to the soil to manage the soil and water for cultivating the paddy rice crops.

**Question text:** Adding lime to the soil?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7721X** Managed soil and water for paddy rice using other techniques

**Description:** Whether the household used any other techniques to manage the soil and water for cultivating the paddy rice crops.

**Question text:** Some other techniques?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7722** Used any irrigation methods other than rainfall

**Description:** Whether the household used any irrigation methods other than rainfall to cultivate paddy rice crops.

**Question text:** Besides rainfall, did you use any additional irrigation methods for the paddy rice?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7723** Type of irrigation used for paddy rice

**Description:** Method of irrigation used to cultivate paddy rice other than rainfall. Multiple responses are allowed.

**Question text:** What type of irrigation did you use?

**Base:** All responsible farmers that cultivated paddy rice using irrigation methods (V7722 = 1)

**Value set:**

A BY HAND (WATERING CAN, HOSE, ETC.)

B CANALS

C PERMANENT HOSE

D PUMPS

X OTHER

**Value type:** string

**V7723A1** Type of irrigation used for paddy rice - by hand

**Description:** For households that used irrigation, whether hand irrigation, such as watering can or hose, was used for paddy rice cultivation.

**Base:** All responsible farmers that cultivated paddy rice using additional irrigation (V7722 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7723B1** Type of irrigation used for paddy rice - canals

**Description:** For households that used irrigation, whether canal irrigation was used for paddy rice cultivation.

**Base:** All responsible farmers that cultivated paddy rice using additional irrigation (V7722 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7723C1** Type of irrigation used for paddy rice – permanent hose

**Description:** For households that used irrigation, whether permanent hose irrigation was used for paddy rice cultivation.

**Base:** All responsible farmers that cultivated paddy rice using additional irrigation (V7722 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7723D1** Type of irrigation used for paddy rice - pumps

**Description:** For households that used irrigation, whether pump irrigation was used for paddy rice cultivation.

**Base:** All responsible farmers that cultivated paddy rice using additional irrigation (V7722 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7723X1** Type of irrigation used for paddy rice - other

**Description:** For households that used irrigation, whether some other method of irrigation was used for paddy rice cultivation.

**Base:** All responsible farmers that cultivated paddy rice using additional irrigation (V7722 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7724** Method for harvesting paddy rice

**Description:** Method for harvesting the paddy rice.

**Question text:** How did you harvest the paddy rice?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 WITH A SICKLE

2 WITH A SCYTHE

3 WITH A MOTORIZED HARVESTER

4 NOT YET HARVESTED

**Value type:** numeric

**V7725** Dried paddy rice before sale or use

**Description:** Whether the household dried any of the paddy rice before selling or using the paddy rice.

**Question text:** Did you dry any of your paddy rice harvest before sale or use?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7726** What paddy rice was dried on

**Description:** Surface that paddy rice was dried on before use. Multiple responses are allowed.

**Question text:** What did you dry the paddy rice on?

**Base:** All responsible farmers that cultivated paddy rice and dried before sale or use (V7725 = 1)

**Value set:**

A BARE GROUND

B GROUND PLASTERED WITH COW DUNG

C LEFT TO DRY ON PLANT IN FIELD

D TARPAULINS

E DRYING YARD WITH CEMENTED GROUND

F DRYING RACKS

G SOLAR DRYERS

H MECHANIZED DRYERS

X OTHER

**Value type:** string

**V7726A** What paddy rice was dried on – bare ground

**Description:** For households that dried their paddy rice, whether the paddy rice was dried on bare ground.

**Base:** All responsible farmers that cultivated paddy rice and dried it before sale or use (V7725 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7726B** What paddy rice was dried on – ground covered with straw

**Description:** For households that dried their paddy rice, whether the paddy rice was dried on ground covered with straw.

**Base:** All responsible farmers that cultivated paddy rice and dried it before sale or use (V7725 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7726C** What paddy rice was dried on – left to dry on plant in field

**Description:** For households that dried their paddy rice, whether the paddy rice was dried on plants in field.

**Base:** All responsible farmers that cultivated paddy rice and dried it before sale or use (V7725 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7726D** What paddy rice was dried on - tarpaulins

**Description:** For households that dried their paddy rice, whether the paddy rice was dried on tarpaulins.

**Base:** All responsible farmers that cultivated paddy rice and dried it before sale or use (V7725 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7726E** What paddy rice was dried on – drying yard with cemented ground

**Description:** For households that dried their paddy rice, whether the paddy rice was dried on drying yard with cemented ground.

**Base:** All responsible farmers that cultivated paddy rice and dried it before sale or use (V7725 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7726F** What paddy rice was dried on – drying racks

**Description:** For households that dried their paddy rice, whether the paddy rice was dried on drying racks.

**Base:** All responsible farmers that cultivated paddy rice and dried it before sale or use (V7725 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7726G** What paddy rice was dried on – solar dryers

**Description:** For households that dried their paddy rice, whether the paddy rice was dried on solar dryers.

**Base:** All responsible farmers that cultivated paddy rice and dried it before sale or use (V7725 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7726H** What paddy rice was dried on – mechanized dryers

**Description:** For households that dried their paddy rice, whether the paddy rice was dried on mechanized dryers.

**Base:** All responsible farmers that cultivated paddy rice and dried it before sale or use (V7725 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7726X** What paddy rice was dried on - other

**Description:** For households that dried their paddy rice, whether the paddy rice was dried on some other surface.

**Base:** All responsible farmers that cultivated paddy rice and dried it before sale or use (V7725 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7727** How paddy rice was threshed

**Description:** Method used to thresh the paddy rice before use. Multiple responses are allowed.

**Question text:** How did you thresh the paddy rice?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

A TRAMPLED BY CATTLE/OX

B BEAT WITH STICKS

C BEAT WITH FLAIL

D USED A TREADLE THRESHER

E USED A MOTORIZED THRESHER

F DID NOT THRESH

X OTHER

**Value type:** string

**V7727A1** How paddy rice was threshed – trampled by cattle/ox

**Description:** Whether the paddy rice was threshed by hand only.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7727B1** How paddy rice was threshed – beat with sticks

**Description:** Whether sticks were used to thresh the paddy rice after drying.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7727C1** How paddy rice was threshed – beat with flail

**Description:** Whether beating with flail was used to thresh the paddy rice after drying.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7727D1** How paddy rice was threshed – used a treadle thresher

**Description:** Whether a treadle thresher was used to thresh the paddy rice after drying.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7727E1** How paddy rice was threshed – used a motorized thresher

**Description:** Whether a motorized thresher was used to thresh the paddy rice after drying.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7727F1** How paddy rice was threshed – did not thresh

**Description:** Whether the paddy rice was not threshed after drying.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7727X1** How paddy rice was threshed - other

**Description:** Whether some other method was used to thresh the paddy rice after drying.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7727A** Use for straw after threshing paddy rice

**Description:** Use for remainder from the paddy rice after threshing.

**Question text:** After threshing the paddy rice, what was done with the straw?

**Base:** All responsible farmers that cultivated and threshed paddy rice   
(V7727 <> F)

**Value set:**

A BURNED

B INCORPORATED BACK INTO THE SOIL

C USED AS BEDDING FOR OWN LIVESTOCK

D USED AS COOKING FUEL

E LEFT IN FIELD FOR GRAZING BY ANIMALS

F FED TO OWN ANIMALS

G SOLD TO OTHERS

X OTHER

**Value type:** string

**V7727AA** Use for straw after threshing paddy rice – burned

**Description:** Remainder was burned after threshing the paddy rice.

**Base:** All responsible farmers that cultivated and threshed paddy rice   
(V7727 <> F)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7727AB** Use for straw after threshing paddy rice – incorporated back into the soil

**Description:** Remainder was incorporated back into the soil after threshing the paddy rice.

**Base:** All responsible farmers that cultivated and threshed paddy rice   
(V7727 <> F)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7727AC** Use for straw after threshing paddy rice – used as bedding for own livestock

**Description:** Remainder was used as bedding for own livestock after threshing the paddy rice.

**Base:** All responsible farmers that cultivated and threshed paddy rice   
(V7727 <> F)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7727AD** Use for straw after threshing paddy rice – used as cooking fuel

**Description:** Remainder was used as cooking fuel after threshing the paddy rice.

**Base:** All responsible farmers that cultivated and threshed paddy rice   
(V7727 <> F)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7727AE** Use for straw after threshing paddy rice – left in field for grazing by animals

**Description:** Remainder was left in field for grazing by animals after threshing the paddy rice.

**Base:** All responsible farmers that cultivated and threshed paddy rice   
(V7727 <> F)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7727AF** Use for straw after threshing paddy rice – fed to own animals

**Description:** Remainder was used as food for own animals after threshing the paddy rice.

**Base:** All responsible farmers that cultivated and threshed paddy rice   
(V7727 <> F)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7727AG** Use for straw after threshing paddy rice – sold to others

**Description:** Remainder was sold to others after threshing the paddy rice.

**Base:** All responsible farmers that cultivated and threshed paddy rice   
(V7727 <> F)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7727AX** Use for straw after threshing paddy rice - other

**Description:** Remainder was used for other uses after threshing the paddy rice.

**Base:** All responsible farmers that cultivated and threshed paddy rice   
(V7727 <> F)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7728** Paddy rice bagged for storage/transport

**Description:** Whether the paddy rice was stored in bags after harvesting for either storage or transport, or both.

**Question text:** After harvest, did you put the paddy rice in bags or other containers for storage or transport?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES, IN BUCKETS

2 YES, IN DRUMS

3 YES, IN BAGS

4 NO

**Value type:** numeric

**V7729** Type of storage bag used for paddy rice

**Description:** For households that bagged their paddy rice, the type of storage bag that the household used.

**Question text:** What type of storage bag did you use for the paddy rice?

**Base:** All responsible farmers that cultivated paddy rice and stored in bags (V7229 = 1)

**Value set:**

A WOVEN BAG, SINGLE LAYER

B TWO- OR THREE-LAYERED WOVEN BAGS

C HERMETIC BAG

**Value type:** string

**V7729A** Type of storage bag used for paddy rice – woven bag, single layer

**Description:** For households that bagged their paddy rice, the household used woven bag, single layer.

**Base:** All responsible farmers that cultivated paddy rice and bagged for storage (V7128 in 1,2,4)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7729B** Type of storage bag used for paddy rice – two- or three-layered woven bags

**Description:** For households that bagged their paddy rice, the household used two- or three-layered woven bags.

**Base:** All responsible farmers that cultivated paddy rice and bagged for storage (V7128 in 1,2,4)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7729C** Type of storage bag used for paddy rice – hermetic bag

**Description:** For households that bagged their paddy rice, the household used hermetic bag.

**Base:** All responsible farmers that cultivated paddy rice and bagged for storage (V7128 in 1,2,4)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7730A** Stored paddy rice in residential house

**Description:** Whether the household stored paddy rice in a residential house.

**Question text:** Did you use any of the following storage locations to store the paddy rice? Residential house?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7730B** Stored paddy rice in cribs

**Description:** Whether the household stored paddy rice in cribs.

**Question text:** Cribs?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7730C** Stored paddy rice in granaries

**Description:** Whether the household stored paddy rice in granaries.

**Question text:** Granaries?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7730D** Stored paddy rice in other constructed stores

**Description:** Whether the household stored paddy rice in other constructed stores.

**Question text:** Other constructed stores?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7730E** Stored paddy rice in warehouses

**Description:** Whether the household stored paddy rice in warehouses.

**Question text:** Warehouses?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7730F** Stored paddy rice in storage silos

**Description:** Whether the household stored paddy rice in storage silos.

**Question text:** Storage silos?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7730X** Stored paddy rice in other locations

**Description:** Whether the household stored paddy rice in some other type of location.

**Question text:** Some other type of location?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7730AA** Any type of storage used filter

**Description:** Whether the household stored its paddy rice in any type of storage. Automatic check in CAPI data collection.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7731** Paddy rice attacked by insects, rodents, disease

**Description:** Whether the paddy rice was attacked by any insects, rodents, or disease while being stored.

**Question text:** Was your paddy rice attacked by insects, rodents, or disease while in storage?

**Base:** All responsible farmers that cultivated paddy rice and stored it (at least one of V7730AA = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V7732** Source of information for paddy rice crop success

**Description:** Main source of information the respondent relies on to help grow his or her paddy rice crops well.

**Question text:** What information source do you rely on the most to help you grow your paddy rice crop well?

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 FRIEND/NEIGHBOR

2 AGRO-INPUT DEALER

3 AG EXTENSION WORKER

4 SCHOOL

5 RADIO PROGRAM

6 TELEVISION

7 MOBILE PHONE MESSAGING

8 INTERNET

96 OTHER

**Value type:** numeric

**V7733H** Module 7.7: stop hour

**Description:** Time of the stop of the data collection for Module 7.7, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated paddy rice in the past year

**Value set:** 0:23

**Value type:** numeric

**V7733M** Module 7.7: stop minute

**Description:** Time of the stop of the data collection for Module 7.7, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated paddy rice in the past year

**Value set:** 0:59

**Value type:** numeric

**D7733** Module 7.7: stop day

**Description:** Day of the stop date for data collection for Module 7.7.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M7733** Module 7.7: stop month

**Description:** Month of the stop date for data collection for Module 7.7.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y7733** Module 7.7: stop year

**Description:** Year of the stop date for the data collection for Module 7.7.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V7734** Outcome of the module

**Description:** Result code of Module 7.7. Code 3 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:**

1 COMPLETED

2 MODULE RESPONDENT NOT AT HOME

3 POSTPONED/UNAVAILABLE

4 REFUSED

5 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

**V7735** Interviewer number for Module 7.7

**Description:** Identification code for the interviewer assigned to Module 7.7, unique for each interviewer participating in fieldwork.

**Base:** All responsible farmers that cultivated paddy rice

**Value set:** 11:909

**Value type:** numeric

# Module 7.50 (MOD\_750: Agricultural Technologies – Dairy Cows (Milk)

**V75000AH** Module 7.50: start hour

**Description:** Time of the start of the data collection for Module 7.50, collected in a 24-hour format.

**Base:** All responsible farmers that raised cows

**Value set:** 0:23

**Value type:** numeric

**V75000AM** Module 7.50: start minute

**Description:** Time of the start of the data collection for Module 7.50, collected in a 24-hour format.

**Base:** All responsible farmers that raised cows

**Value set:** 0:59

**Value type:** numeric

**D75000** Module 7.50: start day

**Description:** Day of the start date for data collection for Module 7.50.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M75000** Module 7.50: start month

**Description:** Month of the start date for data collection for Module 7.50.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y75000** Module 7.50: start year

**Description:** Year of the start date for the data collection for Module 7.50.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V75000C** Line number of respondent Module 7.50

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 7.50.

**Base:** All responsible farmers that raised cows

**Value set:** 1:50

**Value type:** numeric

**V75000D** Consent obtained

**Description:** Whether the respondent to Module 7.50 has agreed to be interviewed and included in the survey. If the respondent has not agreed, the interview may not continue.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75001** Number of milking dairy cows owned

**Description:** Number of total milking cows that the household owns.

**Question text:** How many dairy cows do you own that are milking?

**Base:** All responsible farmers that raised cows

**Value set:**

1:95

0 None

**Value type:** numeric

**V75002** Number of non-milking dairy cows owned

**Description:** Number of non-milking cows that the household owns.

**Question text:** How many dairy cows do you own that are not milking?

**Base:** All responsible farmers that raised cows

**Value set:**

1:95

0 None

**Value type:** numeric

**V75003** Number of male animals 1+ years

**Description:** Number of male animals are one year or older that the household owns.

**Question text:** How many male animals that are one year old or older do you own?

**Base:** All responsible farmers that raised cows

**Value set:**

1:95

0 None

**Value type:** numeric

**V75004** Number of calves owned

**Description:** Number of calves are one year or older that the household owns.

**Question text:** How many calves – animals under one year old – do you own?

**Base:** All responsible farmers that raised cows

**Value set:**

1:95

0 None

**Value type:** numeric

**V75007** Source of milking cows

**Description:** Source of milking cows raised by the household. Multiple responses are allowed.

**Question text:** How do you acquire your milking cows?

**Base:** All responsible farmers that raised cows

**Value set:**

A FARMER BUYS MILKING COWS

B FARMER BREEDS MILKING COWS

C FARMER GETS COWS AS IN-KIND CREDIT

X OTHER

**Value type:** string

**V75007A** Source of milking cows – farmer buys milking cows

**Description:** Whether the household obtained milking cows by buying them.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75007B** Source of milking cows – farmer breeds milking cows

**Description:** Whether the household obtained milking cows by breeding them.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75007C** Source of milking cows – farmer gets cows as in-kind credit

**Description:** Whether the household obtained milking cows by getting cows as in-kind credit.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75007X** Source of milking cows - other

**Description:** Whether the household obtained milking cows from other means.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75007AA** Breed cows filter

**Description:** Whether the household obtained milking cows from other means.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75008** Breeding method for dairy cows

**Description:** Breeding method for milking cows raised by the household. Multiple responses are allowed.

**Question text:** How do you breed your dairy cows?

**Base:** All responsible farmers that bred cows (V75007 <> A)

**Value set:**

A NATURAL BREEDING

B ARTIFICIAL INSEMINATION

X OTHER

**Value type:** string

**V75008A** Source of milking cows – natural breeding

**Description:** Whether the household bred milk cows using natural breeding.

**Base:** All responsible farmers that bred cows (V75007 <> A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75008B** Source of milking cows – artificial insemination

**Description:** Whether the household bred milk cows using artificial insemination.

**Base:** All responsible farmers that bred cows (V75007 <> A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75008X** Source of milking cows – other

**Description:** Whether the household bred milk cows using some other method.

**Base:** All responsible farmers that bred cows (V75007 <> A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75009** Uses natural breeding filter

**Description:** Whether the household bred milk cows using natural breeding. Automatic check in CAPI data collection.

**Base:** All responsible farmers that bred cows (V75007 <> A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75010** How bull services are acquired

**Description:** Source of bull services for milking cows that are bred naturally.

**Question text:** How are bull services acquired to breed your dairy cows?

**Base:** All responsible farmers that bred dairy cows naturally (V75008 = A)

**Value set:**

A BULLS SELECTED FROM OWN HERD

B BULLS EXCHANGED WITH OTHER HERDS

C BULLS PURCHASED FROM OTHER HERDS

X OTHER

**Value type:** string

**V75010A** How bull services are acquired – bulls selected from own herd

**Description:** Whether the source of bull services for milking cows that are bred naturally was bulls selected from own herd.

**Base:** All responsible farmers that bred dairy cows naturally (V75008 = A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75010B** How bull services are acquired – bulls exchanged with other herds

**Description:** Whether the source of bull services for milking cows that are bred naturally was bulls selected from other herds.

**Base:** All responsible farmers that bred dairy cows naturally (V75008 = A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75010C** How bull services are acquired – bulls purchased from other herds

**Description:** Whether the source of bull services for milking cows that are bred naturally was bulls purchased from other herds.

**Base:** All responsible farmers that bred dairy cows naturally (V75008 = A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75010X** How bull services are acquired - other

**Description:** Whether the source of bull services for milking cows that are bred naturally was another source.

**Base:** All responsible farmers that bred dairy cows naturally (V75008 = A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75011** Criteria for bull services

**Description:** When using bull services for natural breeding, criteria the household uses for selecting a bull.

**Question text:** How do you decide which bulls to choose for breeding your dairy cows and heifers?

**Base:** All responsible farmers that bred dairy cows naturally (V75008 = A)

**Value set:**

1 NO SELECTION - ONLY ONE BULL

2 NO SELECTION - MULTIPLE BULLS IN HERD

3 BULL HAS GOOD BODY SIZE, COMPOSITION

4 BULL IS SON OF HIGH-PRODUCING COW

5 BULL KNOWN TO HAVE GOOD FERTILITY

6 OTHER

**Value type:** numeric

**V75012** Decisionmaker for bull selection

**Description:** The main decisionmaker regarding decisions about bull selection for the household’s dairy cows.

**Question text:** When decisions are made regarding which bull to choose for breeding your dairy cows and heifers, who is it that normally takes the decision?

**Base:** All responsible farmers that bred dairy cows naturally (V75008 = A)

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V75012A** Decisionmaker for bull selection - self

**Description:** The main decisionmaker regarding decisions about bull selection for the household’s dairy cows is the respondent.

**Base:** All responsible farmers that bred dairy cows naturally (V75008 = A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75012B** Decisionmaker for bull selection – partner/spouse

**Description:** The main decisionmaker regarding decisions about bull selection for the household’s dairy cows is the partner/spouse of the respondent.

**Base:** All responsible farmers that bred dairy cows naturally (V75008 = A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75012C** Decisionmaker for bull selection – other household member

**Description:** The main decisionmaker regarding decisions about bull selection for the household’s dairy cows is another household member.

**Base:** All responsible farmers that bred dairy cows naturally (V75008 = A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75012D** Decisionmaker for bull selection – other non-household member

**Description:** The main decisionmaker regarding decisions about bull selection for the household’s dairy cows is another non-household member.

**Base:** All responsible farmers that bred dairy cows naturally (V75008 = A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75013** Uses artificial insemination filter

**Description:** Whether the household bred milk cows using artificial insemination. Automatic check in CAPI data collection.

**Base:** All responsible farmers that bred cows (V75007 <> A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75014** Usual source of artificial insemination services

**Description:** Main source of artificial insemination services for household’s dairy cows.

**Question text:** Where do you usually obtain artificial insemination services to breed your dairy cows?

**Base:** All responsible farmers that bred dairy cows naturally (V75008 = B)

**Value set:**

1 PUBLIC PROVIDERS - COOPERATIVE

2 PUBLIC PROVIDERS - PRIVATE SERVICES PROVIDER

3 PUBLIC PROVIDERS - COMMUNITY ANIMAL HEALTH WORKER

4 PRIVATE PROVIDERS - PRIVATE VET PHARMACY

5 PRIVATE PROVIDERS - GOVERNMENT EXTENSION AGENT

6 OTHER

**Value type:** numeric

**V75015** Dairy cows are local or exotic

**Description:** Whether the household’s dairy cows are local/traditional cows or exotic/modern cows?

**Question text:** Would you say that your dairy cows are mostly local, traditional breeds, or would you say that your dairy cows are mostly exotic, modern breeds?

**Base:** All responsible farmers that raised cows

**Value set:**

1 MOSTLY LOCAL/TRADITIONAL BREEDS

2 MOSTLY EXOTIC/MODERN BREEDS

3 HALF LOCAL, HALF EXOTIC

8 DON’T KNOW

**Value type:** numeric

**V75016** Dairy cow housing

**Description:** Best description of the type of housing that the household keeps its cows in.

**Question text:** Which of the following is the best description of the housing for your dairy cows: (1) The dairy cows are kept in the same housing with family members. (2) The dairy cows have no housing. (3) The dairy cows have only an open corral. (4) There is a roof over the dairy cows, but the structure has no sides. (5) There is a roof with side barriers to keep the dairy cows inside; the floor is made of dirt. (6) There is a roof with side barriers to keep the dairy cows inside; the floor is made of concrete.

**Base:** All responsible farmers that raised cows

**Value set:**

1 KEPT IN FAMILY HOUSING

2 NO HOUSING

3 OPEN CORRAL ONLY

4 ROOF ONLY, NO SIDES

5 ROOF AND SIDES, DIRT FLOOR

6 ROOF AND SIDES, CONCRETE FLOOR

**Value type:** numeric

**V75017** Water supply for dairy cows

**Description:** Way that the household provides water its dairy cows.

**Question text:** How do you usually supply water to your dairy cows?

**Base:** All responsible farmers that raised cows

**Value set:**

1 CATTLE DRINK FROM POND/POOL

2 CATTLE DRINK FROM CREEK/STREAM

3 WATER BROUGHT TO CATTLE BY BUCKETS

4 WATER PIPED TO CATTLE

6 OTHER

**Value type:** numeric

**V75018** Dairy cows graze

**Description:** Whether the household’s dairy cows graze.

**Question text:** Do your dairy cows graze?

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75019** Types of forages fed to dairy cows

**Description:** Types of forages fed to the household’s dairy cows. Multiple responses are allowed.

**Question text:** Forages are crop, cereal or legume residues, and cultivated fodders. In the past one year, what forages have you fed your dairy cows?

**Base:** All responsible farmers that raised cows

**Value set:**

A NONE

B CONSERVED RICE STRAW

C CONSERVED MAIZE STROVER

D LEGUME HAULMS/STOVERS

E FORAGE LEGUMES

F NAPIER GRASS

G GUINEA GRASS

H CUT FRESH GRASS

I TREE FODDER (LEAVES, BRANCHES)

X OTHER

**Value type:** string

**V75019A** Types of forages fed to dairy cows - none

**Description:** Whether the household did not feed forages to its dairy cows.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75019B** Types of forages fed to dairy cows – conserved rice straw

**Description:** Whether the household fed conserved rice straw to its dairy cows.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75019C** Types of forages fed to dairy cows – conserved maize stover

**Description:** Whether the household fed conserved maize stover to its dairy cows.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75019D** Types of forages fed to dairy cows – legume haulms/stovers

**Description:** Whether the household fed legume haulms/stovers to its dairy cows.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75019E** Types of forages fed to dairy cows – forage legumes

**Description:** Whether the household fed forage legumes to its dairy cows.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75019F** Types of forages fed to dairy cows – napier grass

**Description:** Whether the household fed napier grass to its dairy cows.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75019G** Types of forages fed to dairy cows – guinea grass

**Description:** Whether the household fed guinea grass to its dairy cows.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75019H** Types of forages fed to dairy cows – cut fresh grass

**Description:** Whether the household fed cut fresh grass to its dairy cows.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75019I** Types of forages fed to dairy cows – tree fodder (leaves, branches)

**Description:** Whether the household fed tree fodder to its dairy cows.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75019X** Types of forages fed to dairy cows - other

**Description:** Whether the household fed other types of forage to its dairy cows.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75020** Source of fodder for dairy cows

**Description:** For households that feed fodder to their dairy cows, the source of the fodder. Multiple responses allowed.

**Question text:** Where did you get this fodder?

**Base:** All responsible farmers that fed forages to their dairy cows   
(V75019 <> A)

**Value set:**

A GATHERED FROM ROADSIDE

B WEEDS PULLED FROM CROPLAND

C GREW IT THEMSELVES

D BOUGHT FROM NEIGHBOR

E BOUGHT FROM MARKET

X OTHER

**Value type:** string

**V75020A** Source of fodder for dairy cows – gathered from roadside

**Description:** Whether the household gathered fodder from the roadside to feed to its dairy cows.

**Base:** All responsible farmers that fed forages to their dairy cows   
(V75019 <> A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75020B** Source of fodder for dairy cows – weeds pulled from cropland

**Description:** Whether the household pulled weeds from cropland to feed to its dairy cows.

**Base:** All responsible farmers that fed forages to their dairy cows  
(V75019 <> A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75020C** Source of fodder for dairy cows – grew it themselves

**Description:** Whether the household grew fodder to feed to its dairy cows.

**Base:** All responsible farmers that fed forages to their dairy cows   
(V75019 <> A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75020D** Source of fodder for dairy cows – bought from neighbor

**Description:** Whether the household bought fodder from its neighbors to feed to its dairy cows.

**Base:** All responsible farmers that fed forages to their dairy cows   
(V75019 <> A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75020E** Source of fodder for dairy cows – bought from market

**Description:** Whether the household bought fodder from the market to feed to its dairy cows.

**Base:** All responsible farmers that fed forages to their dairy cows   
(V75019 <> A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75020X** Source of fodder for dairy cows – other

**Description:** Whether the household got fodder from another source to feed to its dairy cows.

**Base:** All responsible farmers that fed forages to their dairy cows (V75019 <> A)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75021** Fed simple crop by-products to dairy cows

**Description:** Whether the household fed simple crop by-products to its dairy cows.

**Question text:** A simple crop by-product is a kind of supplemental feed that is made from the parts of a plant that are left over after the main crop is harvested, like stems or seed pods. Famers can buy simple crop by-products or make their own. In the past one year, did you feed simple crop by-products to your dairy cows?

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75021A** Frequency of simple crop by-products feedings to dairy cows

**Description:** How often the household fed simple crop by-products to its dairy cows.

**Question text:** How often do you feed simple crop by-products to your dairy cows?

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 DAILY

2 WEEKLY

3 MONTHLY

4 WHENEVER AVAILABLE

6 OTHER

**Value type:** numeric

**V75022** Types of simple crop by-products fed to dairy cows

**Description:** For households that fed simple crop by-products to their dairy cows, the types of crop by-products that were fed to the cows.

**Question text:** What kind of simple crop by-products did you feed to your dairy cows?

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

A MAIZE BRAN

B WHEAT BRAN

C MOLASSES

D FRUIT OR VEGETABLE PROCESSING WASTE

E OILSEED CAKE

F BREWER’S GRAIN

G COTTONSEED MEAL/CAKE

X OTHER

**Value type:** string

**V75022A** Types of simple crop by-products fed to dairy cows – maize bran

**Description:** Whether the household fed maize bran to its dairy cows.

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75022B** Types of simple crop by-products fed to dairy cows – wheat bran

**Description:** Whether the household fed wheat bran to its dairy cows.

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75022C** Types of simple crop by-products fed to dairy cows - molasses

**Description:** Whether the household fed molasses to its dairy cows.

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75022D** Types of simple crop by-products fed to dairy cows – fruit or vegetable processing waste

**Description:** Whether the household fed fruit or vegetable processing waste to its dairy cows.

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75022E** Types of simple crop by-products fed to dairy cows – oilseed cake

**Description:** Whether the household fed oilseed cake to its dairy cows.

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75022F** Types of simple crop by-products fed to dairy cows – brewer’s grain

**Description:** Whether the household fed brewer’s grain to its dairy cows.

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75022G** Types of simple crop by-products fed to dairy cows – cottonseed meal/cake

**Description:** Whether the household fed cottonseed meal/cake to its dairy cows.

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75022X** Types of simple crop by-products fed to dairy cows - other

**Description:** Whether the household fed other simple crop by-products to its dairy cows.

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75023** Source of simple crop by-products for dairy cows

**Description:** For households that fed simple crop by-products to their dairy cows, the source of the crop by-products that were fed to the cows.

**Question text:** Where did you get the simple crop by-products you fed to your dairy cows?

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

A OWN FOOD PREPARATION

B LOCAL BREWERS

C MARKET

D DAIRY COOPERATIVE

E OTHER COOPERATIVE

F MILK PURCHASER (NOT COOP)

G LOCAL AGROVET SUPPLIER

X OTHER

**Value type:** string

**V75023A** Source of simple crop by-products for dairy cows – own food preparation

**Description:** Whether the household prepared its simple crop by-products for its dairy cows.

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75023B** Source of simple crop by-products for dairy cows – local breweries

**Description:** Whether the household got its simple crop by-products for its dairy cows from local breweries.

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75023C** Source of simple crop by-products for dairy cows - market

**Description:** Whether the household got its simple crop by-products for its dairy cows from the market.

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75023D** Source of simple crop by-products for dairy cows – dairy cooperative

**Description:** Whether the household got its simple crop by-products for its dairy cows from a dairy cooperative.

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75023E** Source of simple crop by-products for dairy cows – other cooperative

**Description:** Whether the household got its simple crop by-products for its dairy cows from another cooperative.

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75023F** Source of simple crop by-products for dairy cows – milk purchaser (not coop)

**Description:** Whether the household got its simple crop by-products for its dairy cows from a milk purchaser (not a cooperative).

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75023G** Source of simple crop by-products for dairy cows – local Agrovet supplier

**Description:** Whether the household got its simple crop by-products for its dairy cows from a local Agrovet supplier.

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75023X** Source of simple crop by-products for dairy cows - other

**Description:** Whether the household got its simple crop by-products for its dairy cows from another source.

**Base:** All responsible farmers that fed simple crop by-products to their dairy cows (V75021 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75024** Fed mixed concentrates to dairy cows

**Description:** Whether the household fed mixed concentrates to its dairy cows.

**Question text:** Mixed concentrates are special nutrient-rich feeds that are fed to dairy cows to increase milk production. They are usually a mixture of grains and cereals and can include other nutrient-dense ingredients like brans, pomaces, or oil-seed cake. They are usually purchased. In the past one year, did you feed mixed concentrates to your dairy cows?

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75024A** Frequency of mixed concentrates feedings to dairy cows

**Description:** How often the household fed mixed concentrates to its dairy cows.

**Question text:** How often do you feed mixed concentrates to your dairy cows?

**Base:** All responsible farmers that fed mixed concentrates to their dairy cows (V75024 = 1)

**Value set:**

1 DAILY

2 WEEKLY

3 MONTHLY

4 WHENEVER AVAILABLE

6 OTHER

**Value type:** numeric

**V75025** Source of mixed concentrates for dairy cows

**Description:** For households that fed mixed concentrates to their dairy cows, the source of mixed concentrates that were fed to the cows.

**Question text:** Where did you get the mixed concentrates you fed to your dairy cows?

**Base:** All responsible farmers that fed mixed concentrates to their dairy cows (V75024 = 1)

**Value set:**

A MARKET

B DAIRY COOPERATIVE

C OTHER COOPERATIVE

D LOCAL AGROVET SUPPLIER

E MILK PURCHASER (NOT COOP)

X OTHER

**Value type:** string

**V75025A** Source of mixed concentrates for dairy cows - market

**Description:** Whether the household got mixed concentrates for its dairy cows from the market.

**Base:** All responsible farmers that fed mixed concentrates to their dairy cows (V75024 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75025B** Source of mixed concentrates for dairy cows – dairy cooperative

**Description:** Whether the household got mixed concentrates for its dairy cows from the dairy cooperative.

**Base:** All responsible farmers that fed mixed concentrates to their dairy cows (V75024 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75025C** Source of mixed concentrates for dairy cows – other cooperative

**Description:** Whether the household got mixed concentrates for its dairy cows from another cooperative.

**Base:** All responsible farmers that fed mixed concentrates to their dairy cows (V75024 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75025D** Source of mixed concentrates for dairy cows – local Agrovet supplier

**Description:** Whether the household got mixed concentrates for its dairy cows from a local Agrovet supplier.

**Base:** All responsible farmers that fed mixed concentrates to their dairy cows (V75024 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75025E** Source of mixed concentrates for dairy cows – milk purchaser (not coop)

**Description:** Whether the household got mixed concentrates for its dairy cows from a milk purchaser (not a cooperative).

**Base:** All responsible farmers that fed mixed concentrates to their dairy cows (V75024 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75025X** Source of mixed concentrates for dairy cows - other

**Description:** Whether the household got mixed concentrates for its dairy cows from another source.

**Base:** All responsible farmers that fed mixed concentrates to their dairy cows (V75024 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75026** Fed vitamins/minerals to dairy cows

**Description:** Whether the household fed vitamins or minerals to its dairy cows.

**Question text:** In the past one year, did you feed vitamins or minerals to your dairy cows, for example, salt, vitamins, or other kinds of mineral supplements?

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75026A** Frequency of vitamins/minerals feedings to dairy cows

**Description:** How often the household fed vitamins or minerals to its dairy cows.

**Question text:** How often do you feed vitamins or minerals to your dairy cows?

**Base:** All responsible farmers that fed vitamins/minerals to their dairy cows (V75026 = 1)

**Value set:**

1 DAILY

2 WEEKLY

3 MONTHLY

4 WHENEVER AVAILABLE

6 OTHER

**Value type:** numeric

**V75027** Leave or collect cow manure

**Description:** Whether the household collected the cow manure produced by its dairy cows or left it where the manure falls.

**Question text:** What do you do with your cows’ manure?

**Base:** All responsible farmers that raised cows

**Value set:**

1 NOTHING, LEAVE IT WHERE IT FALLS

2 COLLECT IT

**Value type:** numeric

**V75027A** Dried collected manure

**Description:** If the household collects its dairy cow manure, whether it dried it.

**Question text:** Do you dry the collected manure?

**Base:** All responsible farmers that collect their cows’ manure (V75027 = 2)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75027B** Storage of cow manure

**Description:** For the collected cow manure, where the household puts the manure afterwards.

**Question text:** Where do you put the cows’ manure after you collect it?

**Base:** All responsible farmers that collect their cows’ manure (V75027 = 2)

**Value set:**

1 PUT IN HEAP IN UNCOVERED AREA

2 PUT IN HEAP IN COVERED AREA

3 PUT IN A PIT/LAGOON

4 PUT INTO A TANK

5 PUT INTO A BIOGAS-PRODUCING DIGESTER

6 OTHER

**Value type:** numeric

**V75027C** Use for collected cow manure

**Description:** The household’s use for collected manure from its dairy cows.

**Question text:** What do you do with this collected manure?

**Base:** All responsible farmers that collect their cows’ manure (V75027 = 2)

**Value set:**

1 NOTHING

2 HOUSEHOLD USES IT FOR FUEL

3 HOUSEHOLD PUTS ON FIELD AS FERTILIZER

4 GIVE IT TO FRIENDS/NEIGHBORS

5 SELL IT TO FRIENDS/NEIGHBORS

6 SELL IT AT MARKET

96 OTHER

**Value type:** numeric

**V75028** Obtained health services for dairy cows in past year

**Description:** Whether the household used health services for its dairy cows in the past one year.

**Question text:** In the past one year, did you obtain any health services from a trained provider for your dairy cows? Examples of health services include things like vaccinations, treatments for sick animals, and assistance with delivery of calves.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75029** Provider of health services for dairy cows

**Description:** For households that used health services in the past year, the provider of those services.

**Question text:** From whom did you obtain these health services for your dairy cows?

**Base:** All responsible farmers that obtained health services for their dairy cows (V75028 = 1)

**Value set:**

A SELF

B COMMUNITY ANIMAL HEALTH WORKER

C GOVERNMENT EXTENSION SERVICES

D PUBLIC VETERINARIAN

E PRIVATE VETERINARIAN

F PRIVATE VETERINARY PHARMACY

X OTHER

**Value type:** string

**V75029A** Provider of health services for dairy cows - self

**Description:** Whether the household’s health services for the dairy cows were provided by the respondent.

**Base:** All responsible farmers that obtained health services for their dairy cows (V75028 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75029B** Provider of health services for dairy cows – community animal health worker

**Description:** Whether the household’s health services for the dairy cows were provided by a community animal health worker.

**Base:** All responsible farmers that obtained health services for their dairy cows (V75028 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75029C** Provider of health services for dairy cows – government extension services

**Description:** Whether the household’s health services for the dairy cows were provided by government extension services.

**Base:** All responsible farmers that obtained health services for their dairy cows (V75028 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75029D** Provider of health services for dairy cows – public veterinarian

**Description:** Whether the household’s health services for the dairy cows were provided by a public veterinarian.

**Base:** All responsible farmers that obtained health services for their dairy cows (V75028 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75029E** Provider of health services for dairy cows – private veterinarian

**Description:** Whether the household’s health services for the dairy cows were provided by a private veterinarian.

**Base:** All responsible farmers that obtained health services for their dairy cows (V75028 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75029F** Provider of health services for dairy cows – private veterinary pharmacy

**Description:** Whether the household’s health services for the dairy cows were provided by a private veterinary pharmacy.

**Base:** All responsible farmers that obtained health services for their dairy cows (V75028 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75029X** Provider of health services for dairy cows - other

**Description:** Whether the household’s health services for the dairy cows were provided by another source.

**Base:** All responsible farmers that obtained health services for their dairy cows (V75028 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75030** Gave medicines to dairy cows

**Description:** Whether the household has given any medicine to its dairy cows in the past year.

**Question text:** In the past one year, have you given any medicines to your dairy cows, for example antibiotics, wormers, or external parasite treatments?

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75031** Source of medicines for dairy cows

**Description:** For households that gave medicine to their dairy cows, the source of the medicine.

**Question text:** From where did you obtain these medicines you gave to your dairy cows?

**Base:** All responsible farmers that gave medicines to their dairy cows   
(V75030 = 1)

**Value set:**

A TRADER

B DAIRY COOPERATIVE

C MILK PURCHASER (NOT COOP)

D COMMUNITY ANIMAL HEALTH WORKER

E LOCAL AGROVET SUPPLIER

F PRIVATE VETERINARY PHARMACY

G GOVERNMENT

X OTHER

**Value type:** string

**V75031A** Source of medicines for dairy cows - trader

**Description:** Whether the household obtained its dairy cow medicine from a trader.

**Base:** All responsible farmers that gave medicines to their dairy cows   
(V75030 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75031B** Source of medicines for dairy cows – dairy cooperative

**Description:** Whether the household obtained its dairy cow medicine from a dairy cooperative.

**Base:** All responsible farmers that gave medicines to their dairy cows   
(V75030 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75031C** Source of medicines for dairy cows – milk purchaser (not coop)

**Description:** Whether the household obtained its dairy cow medicine from a milk purchaser (not a cooperative).

**Base:** All responsible farmers that gave medicines to their dairy cows   
(V75030 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75031D** Source of medicines for dairy cows – community animal health worker

**Description:** Whether the household obtained its dairy cow medicine from a community health worker.

**Base:** All responsible farmers that gave medicines to their dairy cows   
(V75030 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75031E** Source of medicines for dairy cows – local Agrovet supplier

**Description:** Whether the household obtained its dairy cow medicine from a local Agrovet supplier.

**Base:** All responsible farmers that gave medicines to their dairy cows   
(V75030 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75031F** Source of medicines for dairy cows – private veterinary pharmacy

**Description:** Whether the household obtained its dairy cow medicine from a private veterinary pharmacy.

**Base:** All responsible farmers that gave medicines to their dairy cows   
(V75030 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75031G** Source of medicines for dairy cows - government

**Description:** Whether the household obtained its dairy cow medicine from the government.

**Base:** All responsible farmers that gave medicines to their dairy cows   
(V75030 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75031X** Source of medicines for dairy cows - other

**Description:** Whether the household obtained its dairy cow medicine from another source.

**Base:** All responsible farmers that gave medicines to their dairy cows   
(V75030 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75032H** Time to obtain emergency animal health services - hour

**Description:** The amount of time that it takes for emergency animal health services to respond to the household’s needs.

**Question text:** How long does it take to obtain emergency animal health services when you need them?

**Base:** All responsible farmers that raised cows

**Value set:**

0:90

99 NONE AVAILABLE

**Value type:** numeric

**V75032M** Time to obtain emergency animal health services - minutes

**Base:** All responsible farmers that raised cows

**Value set:**

0:59

99 NONE AVAILABLE

**Value type:** numeric

**V75033** Portion of cows vaccinated

**Description:** What portion of the household’s dairy cows were vaccinated in the past one year.

**Question text:** In the past one year, did you vaccinate none, some, or all of your cattle?

**Base:** All responsible farmers that raised cows

**Value set:**

1 NO CATTLE VACCINATED

2 SOME CATTLE VACCINATED

3 ALL CATTLE VACCINATED

**Value type:** numeric

**V75033A** Types of vaccinations for dairy cows

**Description:** The types of vaccinations that the household gives to its dairy cows. Multiple responses are allowed.

**Question text:** What vaccinations did you give to your dairy cows and calves in the past one year?

**Base:** All responsible farmers that vaccinated any of their dairy cows   
(V75033 <> 1)

**Value set:**

A FMD (FOOT AND MOUTH DISEASE)

B CBPP (CONTAGIOUS BOVINE PLEUROPNEUMONIA)

C RVF (RIFT VALLEY FEVER)

X OTHER

**Value type:** string

**V75033AA** Types of vaccinations for dairy cows – FMD (foot and mouth disease)

**Description:** Whether the household gave an FMD vaccination to its dairy cows.

**Base:** All responsible farmers that vaccinated any of their dairy cows   
(V75033 <> 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75033AB** Types of vaccinations for dairy cows – CBPP (contagious bovine pleuropneumonia)

**Description:** Whether the household gave a CBPP vaccination to its dairy cows.

**Base:** All responsible farmers that vaccinated any of their dairy cows   
(V75033 <> 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75033AC** Types of vaccinations for dairy cows – RVF (rift valley fever)

**Description:** Whether the household gave an RVF vaccination to its dairy cows.

**Base:** All responsible farmers that vaccinated any of their dairy cows   
(V75033 <> 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75033AX** Types of vaccinations for dairy cows - other

**Description:** Whether the household gave another vaccination to its dairy cows.

**Base:** All responsible farmers that vaccinated any of their dairy cows   
(V75033 <> 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75033B** Decisionmaker for dairy cow vaccination

**Description:** The decisionmaker for deciding what vaccinations to give the household’s dairy cows. Multiple responses are allowed.

**Question text:** When decisions are made regarding what vaccinations to give your dairy cows, who is it that normally takes the decision?

**Base:** All responsible farmers that vaccinated any of their dairy cows   
(V75033 <> 1)

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V75033BA** Decisionmaker for dairy cow vaccination - self

**Description:** Whether the respondent was a decisionmaker regarding what vaccinations to give to the household’s dairy cows.

**Base:** All responsible farmers that vaccinated any of their dairy cows   
(V75033 <> 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75033BB** Decisionmaker for dairy cow vaccination – partner/spouse

**Description:** Whether the respondent’s partner/spouse was a decisionmaker regarding what vaccinations to give to the household’s dairy cows.

**Base:** All responsible farmers that vaccinated any of their dairy cows   
(V75033 <> 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75033BC** Decisionmaker for dairy cow vaccination – other household member

**Description:** Whether another household member was a decisionmaker regarding what vaccinations to give to the household’s dairy cows.

**Base:** All responsible farmers that vaccinated any of their dairy cows   
(V75033 <> 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75033BD** Decisionmaker for dairy cow vaccination – other non-household member

**Description:** Whether another non-household member was a decisionmaker regarding what vaccinations to give to the household’s dairy cows.

**Base:** All responsible farmers that vaccinated any of their dairy cows (V75033 <> 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75034** Ever heard of mastitis

**Description:** Whether the respondent has ever heard of mastitis.

**Question text:** Dairy cows sometimes experience a condition called mastitis, an inflammation of the cow’s udder that reduces milk production and quality. Have you ever heard of mastitis?

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75034A** Attempt to prevent mastitis in dairy cows

**Description:** Whether the household tries to prevent mastitis in its dairy cows.

**Question text:** Do you do anything to prevent mastitis in your dairy cows?

**Base:** All responsible farmers that have heard of mastitis (V75034 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75034B** Method to prevent mastitis in dairy cows

**Description:** If the household tries to prevent mastitis, the methods used.

**Question text:** What do you do to prevent mastitis in your dairy cows?

**Base:** All responsible farmers that did something to prevent mastitis   
(V75034A = 1)

**Value set:**

A WASH UDDER

B TEAT DIP

C SOMATIC CELL COUNTS

X OTHER

**Value type:** string

**V75034BA** Method to prevent mastitis in dairy cows – wash udder

**Description:** Whether the household washed the udders of its dairy cows to prevent mastitis.

**Base:** All responsible farmers that did something to prevent mastitis   
(V75034A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75034BB** Method to prevent mastitis in dairy cows – teat dip

**Description:** Whether the household performed a teat dip to prevent mastitis.

**Base:** All responsible farmers that did something to prevent mastitis   
(V75034A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75034BC** Method to prevent mastitis in dairy cows – somatic cell counts

**Description:** Whether the household monitored somatic cell counts to prevent mastitis.

**Base:** All responsible farmers that did something to prevent mastitis  
(V75034A = 1)

**Value set:**

1. YES

2 NO

**Value type:** numeric

**V75034BX** Method to prevent mastitis in dairy cows - other

**Description:** Whether the household used another method to prevent mastitis.

**Base:** All responsible farmers that did something to prevent mastitis   
(V75034A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75035** Usually process cows’ milk into other products

**Description:** Whether the household usually processes its dairy cows’ milk into other products.

**Question text:** Do you usually process some of your cows’ milk into other products like cheese or yoghurt?

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75036** Sell dairy cows’ milk

**Description:** Whether the household sells its dairy cows’ milk.

**Question text:** Do you sell your cows’ milk?

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75037N** Amount of milk dairy cows produced yesterday morning (number)

**Description:** The amount of milk that the household’s dairy cows produced yesterday morning.

**Question text:** Yesterday morning, how much milk in total did your dairy cows produce?

**Base:** All responsible farmers that raised cows

**Value set:**

1:990

0 None

**Value type:** numeric

**V75037U** Amount of milk dairy cows produced yesterday morning (unit)

**Base:** All responsible farmers that raised cows

**Value set:**

1 LITRE

2 LOCAL UNIT 1

3 LOCAL UNIT 2

6 OTHER

0 NONE

**Value type:** numeric

**V75038N** Amount of milk dairy cows produced yesterday evening (number)

**Description:** The amount of milk that the household’s dairy cows produced yesterday evening.

**Question text:** Yesterday evening, how much milk in total did your dairy cows produce?

**Base:** All responsible farmers that raised cows

**Value set:**

1:990

0 None

**Value type:** numeric

**V75038U** Amount of milk dairy cows produced yesterday evening (unit)

**Base:** All responsible farmers that raised cows

**Value set:**

1 LITRE

2 LOCAL UNIT 1

3 LOCAL UNIT 2

6 OTHER

0 NONE

**Value type:** numeric

**V75039N** Amount of milk dairy cows produced that was sold (number)

**Description:** The amount of milk that the household’s dairy cows produced that was sold.

**Question text:** Your dairy cows produced [QUANTITY] [UNITS] of milk yesterday. How many [UNITS] of that milk did you sell?

**Base:** All responsible farmers that raised cows

**Value set:**

1:990

0 None

**Value type:** numeric

**V75039U** Amount of milk dairy cows produced that was sold (unit)

**Base:** All responsible farmers that raised cows

**Value set:**

1 LITRE

2 LOCAL UNIT 1

3 LOCAL UNIT 2

6 OTHER

0 NONE

**Value type:** numeric

**V75040** Where dairy cow milk is sold

**Description:** If the household sells its milk, where the household sells the milk from its dairy cows.

**Question text:** Where do you usually sell your milk?

**Base:** All responsible farmers that raised cows

**Value set:**

A SELL TO FRIENDS/NEIGHBORS

B SELL IT AT MARKET MYSELF

C SELL TO A SCHOOL

D SELL TO A MILK MARKETING COOPERATIVE

E SELL TO AGGREGATOR/OFF-TAKER

X OTHER

**Value type:** string

**V75040A** Where dairy cow milk is sold – sell to friends/neighbors

**Description:** Whether the household sells its dairy cow milk to friends or neighbors.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75040B** Where dairy cow milk is sold – sell it at market myself

**Description:** Whether the household sells its dairy cow milk at a market by themselves.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75040C** Where dairy cow milk is sold – sell to a school

**Description:** Whether the household sells its dairy cow milk to a school.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75040D** Where dairy cow milk is sold – sell to a milk marketing cooperative

**Description:** Whether the household sells its dairy cow milk to a milk marketing cooperative.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75040E** Where dairy cow milk is sold – sell to aggregator/off-taker

**Description:** Whether the household sells its dairy cow milk to an aggregator/off‑taker.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75040X** Where dairy cow milk is sold - other

**Description:** Whether the household sells its dairy cow milk to another source.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75041** Sell morning or evening milk

**Description:** Whether the household sells its morning or evening dairy cow milk, or both.

**Question text:** Do you usually sell only morning milk, only evening milk, or both morning and evening milk?

**Base:** All responsible farmers that raised cows

**Value set:**

1 ONLY MORNING MILK

2 ONLY EVENING MILK

3 BOTH MORNING AND EVENING MILK

**Value type:** numeric

**V75042** Sells milk to milk marketing coop filter

**Description:** Whether the household sells its dairy cow milk to a milk marketing coop. Automatic check in CAPI data collection.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75043** Services provided by milk marketing coop

**Description:** Types of services provided by the milk marketing cooperative. Multiple responses are allowed.

**Question text:** What services does your milk marketing cooperative provide you?

**Base:** All responsible farmers that did sold milk to a cooperative (V75040 = D)

**Value set:**

A AMOUNT OF MILK SOLD

B FAT CONTENT OF MILK SOLD

C ACIDITY OF MILK SOLD

D EXTENSION SERVICES

E ANIMAL HEALTH SERVICES

F LOANS

X OTHER

**Value type:** string

**V75043A** Services provided by milk marketing coop – amount of milk solid

**Description:** Whether the milk marketing cooperative to which the household sells its dairy cow milk provides the amount of milk solid.

**Base:** All responsible farmers that did sold milk to a cooperative (V75040 = D)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75043B** Services provided by milk marketing coop – fat content of milk solid

**Description:** Whether the milk marketing cooperative to which the household sells its dairy cow milk provides the fat content of milk solid.

**Base:** All responsible farmers that did sold milk to a cooperative (V75040 = D)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75043C** Services provided by milk marketing coop – acidity of milk solid

**Description:** Whether the milk marketing cooperative to which the household sells its dairy cow milk provides the acidity of milk solid.

**Base:** All responsible farmers that did sold milk to a cooperative (V75040 = D)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75043D** Services provided by milk marketing coop – extension services

**Description:** Whether the milk marketing cooperative to which the household sells its dairy cow milk provides extension services.

**Base:** All responsible farmers that did sold milk to a cooperative (V75040 = D)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75043E** Services provided by milk marketing coop – animal health services

**Description:** Whether the milk marketing cooperative to which the household sells its dairy cow milk provides animal health services.

**Base:** All responsible farmers that did sold milk to a cooperative (V75040 = D)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75043F** Services provided by milk marketing coop - loans

**Description:** Whether the milk marketing cooperative to which the household sells its dairy cow milk provides loans.

**Base:** All responsible farmers that did sold milk to a cooperative (V75040 = D)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75043X** Services provided by milk marketing coop - other

**Description:** Whether the milk marketing cooperative to which the household sells its dairy cow milk provides other services.

**Base:** All responsible farmers that did something to prevent mastitis   
(V75040 = D)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75044** Method to receive payment for milk from coop

**Description:** Type of payment accepted for milk from the cooperative for the household’s dairy cow milk.

**Question text:** How do you receive payment for your milk from your cooperative?

**Base:** All responsible farmers that did sold milk to a cooperative (V75040 = D)

**Value set:**

A CASH

B STORE CREDIT

C MPESA/MOBILE MONEY

D DIRECT DEPOSIT TO BANK ACCOUNT

X OTHER

**Value type:** string

**V75044A** Method to receive payment for milk from coop - cash

**Description:** Whether the household accepts cash for its milk from the coop.

**Base:** All responsible farmers that did sold milk to a cooperative (V75040 = D)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75044B** Method to receive payment for milk from coop – store credit

**Description:** Whether the household accepts store credit for its milk from the coop.

**Base:** All responsible farmers that did sold milk to a cooperative (V75040 = D)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75044C** Method to receive payment for milk from coop – mpesa/mobile money

**Description:** Whether the household accepts mpesa/mobile money for its milk from the coop.

**Base:** All responsible farmers that did sold milk to a cooperative (V75040 = D)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75044D** Method to receive payment for milk from coop – direct deposit to bank account

**Description:** Whether the household accepts a direct deposit to a bank account for its milk from the coop.

**Base:** All responsible farmers that did sold milk to a cooperative (V75040 = D)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75044X** Method to receive payment for milk from coop - other

**Description:** Whether the household accepts another form of payment for its milk from the coop.

**Base:** All responsible farmers that did sold milk to a cooperative (V75040 = D)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75045** Keep daily written records on dairy cows

**Description:** Whether the household keeps daily written records on its dairy cows.

**Question text:** Do you keep daily written records on your dairy cows, for example how much each animal eats, what they eat, how much milk is produced, or when an animal is sold, born, or bought?

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75046** Reason for deciding to sell a dairy cow

**Description:** Types of reasons for deciding to sell a dairy cow if the household sells any dairy cows.

**Question text:** How do you decide when to sell one of your dairy cows?

**Base:** All responsible farmers that raised cows

**Value set:**

A WHEN THERE IS A NEED FOR CASH

B WHEN HER DAM IS POOR-PERFORMING

C WHEN HER MILK PRODUCTION FALLS BELOW A CERTAIN LEVEL

D WHEN SHE DOESN’T RE-BREED

E WHEN SHE GETS TOO OLD

F WHEN ENOUGH HEIFERS EXPECTED TO PRODUCE MORE MILK ENTER HERD

G WHEN HERD SIZE IS NOT MANAGEABLE

H WHEN THERE IS NOT ENOUGH FOOD TO FEED ALL OF THE ANIMALS

X OTHER

**Value type:** string

**V75046A** Reason for deciding to sell a dairy cow – there is a need for cash

**Description:** Household sells a dairy cow if there is a need for cash.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75046B** Reason for deciding to sell a dairy cow – her dam is poor-performing

**Description:** Household sells a dairy cow if her dam is poor-performing.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75046C** Reason for deciding to sell a dairy cow – her milk production falls below a certain level

**Description:** Household sells a dairy cow if her milk production falls below a certain level.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75046D** Reason for deciding to sell a dairy cow – she does not re-breed

**Description:** Household sells a dairy cow if she does not re-breed.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75046E** Reason for deciding to sell a dairy cow – she gets too old

**Description:** Household sells a dairy cow if she gets too old.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75046F** Reason for deciding to sell a dairy cow – enough heifers expected to produce more milk enter herd

**Description:** Household sells a dairy cow if enough heifers expected to produce more milk enter the herd.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75046G** Reason for deciding to sell a dairy cow – when herd size is not manageable

**Description:** Household sells a dairy cow when herd size is not manageable.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75046H** Reason for deciding to sell a dairy cow – there is not enough food to feed all of the animals

**Description:** Household sells a dairy cow if there is not enough food to feed all of the animals.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75046X** Reason for deciding to sell a dairy cow - other

**Description:** Household sells a dairy cow for other reasons.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75047** Decisionmaker for dairy cow sale

**Description:** The main decisionmaker regarding decisions about selling the household’s dairy cows.

**Question text:** When decisions are made regarding selling a dairy cow, who is it that normally makes the decision?

**Base:** All responsible farmers that raised cows

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D OTHER NON-HOUSEHOLD MEMBER

**Value type:** string

**V75047A** Decisionmaker for dairy cow sale - self

**Description:** The main decisionmaker regarding decisions about selling the household’s dairy cows is the respondent.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75047B** Decisionmaker for dairy cow sale – partner/spouse

**Description:** The main decisionmaker regarding decisions about selling the household’s dairy cows is the partner/spouse of the respondent.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75047C** Decisionmaker for dairy cow sale – other HH member

**Description:** The main decisionmaker regarding decisions about selling the household’s dairy cows is another household member.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75047D** Decisionmaker for dairy cow sale – other non-HH member

**Description:** The main decisionmaker regarding decisions about selling the household’s dairy cows is another non-household member.

**Base:** All responsible farmers that raised cows

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V75048** Number of dairy cows sold in past year

**Description:** The number of dairy cows that the household sold in the past year.

**Question text:** In the past year, how many of your dairy cows did you sell?

**Base:** All responsible farmers that raised cows

**Value set:**

1:90

0 NONE

**Value type:** numeric

**V75049** Number of male animals sold in past year

**Description:** The number of male animals that the household sold in the past year.

**Question text:** In the past year, how many male animals did you sell?

**Base:** All responsible farmers that raised cows

**Value set:**

1:90

0 NONE

**Value type:** numeric

**V75049A** Number of dairy animals that died in past year

**Description:** The number of dairy animals that died in the past year.

**Question text:** In the past year, how many dairy animals died?

**Base:** All responsible farmers that raised cows

**Value set:**

1:90

0 NONE

**Value type:** numeric

**V75049B** Number of dairy animals that died in past year

**Description:** The number of dairy animals that died in the past year.

**Question text:** In the past year, how many dairy animals died?

**Base:** All responsible farmers that raised cows

**Value set:**

1:90

0 NONE

**Value type:** numeric

**V75050** Source of information for dairy cow success

**Description:** Main source of information the respondent relies on to help raise his or her cows well.

**Question text:** What information source do you rely on the most to help raise your livestock well?

**Base:** All responsible farmers that raised cows

**Value set:**

1 FRIEND/NEIGHBOR

2 AGRO-INPUT DEALER

3 AG EXTENSION WORKER

4 SCHOOL

5 RADIO PROGRAM

6 TELEVISION

7 MOBILE PHONE MESSAGING

8 INTERNET

96 OTHER

**Value type:** numeric

**V75051H** Module 7.50: stop hour

**Description:** Time of the stop of the data collection for Module 7.50, collected in a 24‑hour format.

**Base:** All responsible farmers that raised cows in the past year

**Value set:** 0:23

**Value type:** numeric

**V75051M** Module 7.50: stop minute

**Description:** Time of the stop of the data collection for Module 7.50, collected in a 24‑hour format.

**Base:** All responsible farmers that raised cows in the past year

**Value set:** 0:59

**Value type:** numeric

**D75051** Module 7.50: stop day

**Description:** Day of the stop date for data collection for Module 7.50.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M75051** Module 7.50: stop month

**Description:** Month of the stop date for data collection for Module 7.50.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y75051** Module 7.50: stop year

**Description:** Year of the stop date for the data collection for Module 7.50.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V75052** Outcome of the module

**Description:** Result code of Module 7.50. Code 3 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** All responsible farmers that raised dairy cows

**Value set:**

1 COMPLETED

2 MODULE RESPONDENT NOT AT HOME

3 POSTPONED/UNAVAILABLE

4 REFUSED

5 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

**V75053** Interviewer number for Module 7.50

**Description:** Identification code for the interviewer assigned to Module 7.50, unique for each interviewer participating in fieldwork.

**Base:** All responsible farmers that raised dairy cows

**Value set:** 11:909

**Value type:** numeric

# Module 7.80 (MOD\_780): Agricultural Technologies – Fishpond Aquaculture

**V78000AH** Module 7.80: start hour

**Description:** Time of the start of the data collection for Module 7.80, collected in a 24-hour format.

**Base:** All responsible farmers that raised fish

**Value set:** 0:23

**Value type:** numeric

**V78000AM** Module 7.80: start minute

**Description:** Time of the start of the data collection for Module 7.80, collected in a 24-hour format.

**Base:** All responsible farmers that raised fish

**Value set:** 0:59

**Value type:** numeric

**D78000** Module 7.80: start day

**Description:** Day of the start date for data collection for Module 7.80.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M78000** Module 7.80: start month

**Description:** Month of the start date for data collection for Module 7.80.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y78000** Module 7.80: start year

**Description:** Year of the start date for the data collection for Module 7.80.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V78000C** Line number of respondent Module 7.80

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 7.80.

**Base:** All responsible farmers that raised fish

**Value set:** 1:50

**Value type:** numeric

**V78000D** Consent obtained

**Description:** Whether the respondent to Module 7.80 has agreed to be interviewed and included in the survey. If the respondent has not agreed, the interview may not continue.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78000E** Ponds responsible for

**Description:** Which ponds in the household that the respondent is mainly responsible for – determined from the farmer’s pond map. Automatically filled in CAPI.

**Base:** All responsible farmers that raised fish in the past year

**Value set:**

A POND 1

B POND 2

C POND 3

D POND 4

E POND 5

F POND 6

G POND 7

H POND 8

**Value type:** string

**V78001** Number of fish stocked in the past year

**Description:** Number of total fish that the household stocked in the past one year.

**Question text:** How many fish in total have you stocked in the past one year?

**Base:** All responsible farmers that raised fish

**Value set:**

1:9994

9995 9995+

**Value type:** numeric

**V78002A** Main source of fish

**Description:** Main source of fish raised in the past one year.

**Question text:** What was the main source of fish you stocked in the past year?

**Base:** All responsible farmers that raised fish

**Value set:**

1 RAISED OWN, RECEIVED FROM FRIEND/RELATIVE   
(NOT PURCHASED)

2 PURCHASED FROM FRIEND/RELATIVE

3 PURCHASED FROM LOCAL HATCHERY

4 PURCHASED FROM NON-LOCAL HATCHERY

5 AID DISTRIBUTION

6 OTHER

**Value type:** numeric

**V78002B** Fish purchased from hatchery filter

**Description:** Whether fish that the household raised were purchased by the household from a hatchery.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78002C** Fish hatchery registered

**Description:** Whether the hatchery that the fish were purchased from is registered.

**Question text:** Was the hatchery where you purchased your fish a registered or certified nursery?

**Base:** All responsible farmers that raised fish purchased from a hatchery (V7802B = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78003** Where fish are raised

**Description:** Where the household raises its fish.

**Question text:** Where do you raise your fish? In a man-made earthen pond, a raceway, a natural pond, a stream, or somewhere else?

**Base:** All responsible farmers that raised fish

**Value set:**

A MAN-MADE EARTHEN POND

B RACEWAY

C NATURAL POND/LAKE

D STREAM

X OTHER

**Value type:** string

**V78003A** Where fish are raised – man-made earthen pond

**Description:** Whether the household raises its fish in a man-made earthen pond.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78003B** Where fish are raised – raceway

**Description:** Whether the household raises its fish in a raceway.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78003C** Where fish are raised – natural pond/lake

**Description:** Whether the household raises its fish in a natural pond/lake.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78003D** Where fish are raised – stream

**Description:** Whether the household raises its fish in a stream.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78003X** Where fish are raised – other

**Description:** Whether the household raises its fish in another place.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78004** Give fish supplemental feed

**Description:** Whether the household gives its fish supplemental feed.

**Question text:** Fish eat foods that occur naturally in the pond, like algae and plankton. Some people also give their fish supplemental feed to make their fish grow faster. Supplemental feeds can be made from things like rice bran, cassava flour, soy meal, leaves from crops, or fish meal. In the past year, did you give your fish supplemental feed?

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78005** Source of supplemental feed for fish

**Description:** If the household gives its fish supplemental feed, source of the feed.

**Question text:** Where did you get most of the supplemental feed you gave to your fish – did you make it yourself or did you buy it?

**Base:** All responsible farmers that raised fish using supplemental feed   
(V78004 = 1)

**Value set:**

1 MOSTLY MADE OWN FISH FEED

2 MOSTLY PURCHASED FISH FEED

3 HALF PURCHASED/HALF MADE OWN FEED

**Value type:** numeric

**V78006** Used hormones to raise fish

**Description:** Whether the household used hormones to raise its fish.

**Question text:** In the past year, did you use hormones to raise your fish?

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78007** When applied hormones to fish

**Description:** Time during development that the household used hormones. Multiple responses are allowed.

**Question text:** At what stage of growth did you apply the hormone to the fish?

**Base:** All responsible farmers that raised fish using hormones (V78006 = 1)

**Value set:**

A INITIAL GROWTH PHASE (FIRST 28 DAYS)

B DEVELPMENT PHASE

X OTHER

**Value type:** string

**V78007A** When applied hormones to fish – initial growth phase (first 28 days)

**Description:** Whether the household applied hormones to its fish during the initial growth phase (first 28 days).

**Base:** All responsible farmers that raised fish using hormones (V78006 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78007B** When applied hormones to fish – development phase

**Description:** Whether the household applied hormones to its fish during the development phase.

**Base:** All responsible farmers that raised fish using hormones (V78006 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78007X** When applied hormones to fish - other

**Description:** Whether the household applied hormones to its fish at some other point.

**Base:** All responsible farmers that raised fish using hormones (V78006 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78008** Trained on using hormones for fish farming

**Description:** Whether the household has been trained on using hormones to raise fish.

**Question text:** Have you been formally trained on the use of hormones for fish farming?

**Base:** All responsible farmers that raised fish using hormones (V78006 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78009** Type of fish raised in past year

**Description:** Type of fish raised by the household in the past year. Multiple responses are allowed.

**Question text:** What kind of fish did you raise in the past year?

**Base:** All responsible farmers that raised fish

**Value set:**

A CARP

B TILAPIA

C CATFISH

D LOCAL VARIETIES 1

E LOCAL VARIETIES 2

F LOCAL VARIETIES 3

X OTHER SELECTED VARIETIES

Y DON’T KNOW

**Value type:** string

**V78009A** Type of fish raised in past year - carp

**Description:** Whether the household raised carp in the past year.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78009B** Type of fish raised in past year - tilapia

**Description:** Whether the household raised tilapia in the past year.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78009C** Type of fish raised in past year - catfish

**Description:** Whether the household raised catfish in the past year.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78009D** Type of fish raised in past year – local variety 1

**Description:** Whether the household raised local variety 1 fish in the past year.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78009E** Type of fish raised in past year - local variety 2

**Description:** Whether the household raised local variety 2 fish in the past year.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78009F** Type of fish raised in past year - local variety 3

**Description:** Whether the household raised local variety 3 fish in the past year.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78009X** Type of fish raised in past year – other selected varieties

**Description:** Whether the household raised other fish in the past year.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78009Y** Type of fish raised in past year – don’t know

**Description:** Whether the household does not know what type of fish it raised in the past year.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78010** Observed disease among fish in past year

**Description:** Whether the household observed any disease among its fish farms in the past year.

**Question text:** Did you observe any disease among your fish in the past year?

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78010A** Attempted to control disease among fish

**Description:** Whether the household tried to control any disease among its fish farms in the past year.

**Question text:** Did you do anything to control disease among your fish in the past year?

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78010B** Methods to control disease among fish

**Description:** If the household tried to control any disease among its fish farms in the past year, methods used. Multiple responses are allowed.

**Question text:** What did you do to control disease among your fish?

**Base:** All responsible farmers that controlled disease among fish (V78010A = 1)

**Value set:**

A SALT

B FORMALIN

C MALACHITE GREEN

D METHYL BLUE

E ANTIBIOTICS/ANTIBIOTIC-TREATED FEED

X OTHER

**Value type:** string

**V78010BA** Methods to control disease among fish - salt

**Description:** Whether the household tried to control any disease among its fish farms in the past year with salt.

**Base:** All responsible farmers that controlled disease among fish (V78010A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78010BB** Methods to control disease among fish - formalin

**Description:** Whether the household tried to control any disease among its fish farms in the past year using formalin.

**Base:** All responsible farmers that controlled disease among fish (V78010A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78010BC** Methods to control disease among fish – malachite green

**Description:** Whether the household tried to control any disease among its fish farms in the past year using malachite green.

**Base:** All responsible farmers that controlled disease among fish (V78010A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78010BD** Methods to control disease among fish – methyl blue

**Description:** Whether the household tried to control any disease among its fish farms in the past year using methyl blue.

**Base:** All responsible farmers that controlled disease among fish (V78010A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78010BE** Methods to control disease among fish – antibiotics/antibiotic – treated feed

**Description:** Whether the household tried to control any disease among its fish farms in the past year using antibiotics/antibiotic – treated feed.

**Base:** All responsible farmers that controlled disease among fish (V78010A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78010BX** Methods to control disease among fish - other

**Description:** Whether the household tried to control any disease among its fish farms in the past year using other methods.

**Base:** All responsible farmers that controlled disease among fish (V78010A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78011** Observed parasite among fish in past year

**Description:** Whether the household observed any parasite among its fish farms in the past year.

**Question text:** Did you observe any parasite cases among your fish in the past year?

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78011A** Attempted to control parasites among fish

**Description:** Whether the household tried to control any parasite among its fish farms in the past year.

**Question text:** Did you do anything to control parasites among your fish in the past year?

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78011B** Methods to control parasite among fish

**Description:** If the household tried to control any disease among its fish farms in the past year, methods used. Multiple responses are allowed.

**Question text:** What did you do to control parasites among your fish?

**Base:** All responsible farmers that controlled parasites among fish (V78011A = 1)

**Value set:**

A NOTHING

B SALT

C FORMALIN

D MALACHITE GREEN

E METHYL BLUE

X OTHER

**Value type:** string

**V78011BA** Methods to control parasites among fish - nothing

**Description:** Whether the household did not do anything to control any parasites among its fish farms in the past year.

**Base:** All responsible farmers that controlled parasites among fish   
(V78011A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78011BB** Methods to control parasites among fish - salt

**Description:** Whether the household tried to control any disease among its fish farms in the past year with salt.

**Base:** All responsible farmers that controlled parasites among fish   
(V78011A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78011BC** Methods to control parasites among fish - formalin

**Description:** Whether the household tried to control any parasites among its fish farms in the past year using formalin.

**Base:** All responsible farmers that controlled parasites among fish   
(V78011A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78011BD** Methods to control parasites among fish – malachite green

**Description:** Whether the household tried to control any parasites among its fish farms in the past year using malachite green.

**Base:** All responsible farmers that controlled parasites among fish   
(V78011A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78011BE** Methods to control parasites among fish – methyl blue

**Description:** Whether the household tried to control any parasites among its fish farms in the past year using methyl blue.

**Base:** All responsible farmers that controlled parasites among fish   
(V78011A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78011BX** Methods to control parasites among fish - other

**Description:** Whether the household tried to control any parasites among its fish farms in the past year using other methods.

**Base:** All responsible farmers that controlled parasites among fish   
(V78011A = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78012** Monitored water quality in fish pond

**Description:** Whether the household monitored the water quality among its fish farms in the past year.

**Question text:** Did you monitor the water quality in your pond in the past year?

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78012A** Methods to monitor water quality in fish pond

**Description:** If the household tried to monitor water quality among its fish farms in the past year, methods used. Multiple responses are allowed.

**Question text:** How did you monitor the water quality in your pond in the past year?

**Base:** All responsible farmers that monitored water quality among fish   
(V78012 = 1)

**Value set:**

A USED HAND TO ASSESS TURBIDITY

B USED SECCHI DISK TO ASSESS TURBIDITY

C TESTED WATER PH

D OBSERVED FISH FOR PIPING BEHAVIOR

X OTHER

**Value type:** string

**V78012AA** Methods to monitor water quality in fish pond – used hand to assess turbidity

**Description:** Whether the household monitored water quality in its fish farms by using a hand to assess turbidity.

**Base:** All responsible farmers that monitored water quality among fish   
(V78012 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78012AB** Methods to monitor water quality in fish pond – used secchi disk to assess turbidity

**Description:** Whether the household monitored water quality in its fish farms by using secchi disks to assess turbidity.

**Base:** All responsible farmers that monitored water quality among fish   
(V78012 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78012AC** Methods to monitor water quality in fish pond – tested water pH

**Description:** Whether the household monitored water quality in its fish farms by testing water pH.

**Base:** All responsible farmers that monitored water quality among fish   
(V78012 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78012AD** Methods to monitor water quality in fish pond – observed fish for piping behavior

**Description:** Whether the household monitored water quality in its fish farms by observing fish for piping behavior.

**Base:** All responsible farmers that monitored water quality among fish   
(V78012 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78012AX** Methods to monitor water quality in fish pond - other

**Description:** Whether the household monitored water quality in its fish farms by another method.

**Base:** All responsible farmers that monitored water quality among fish   
(V78012 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78013** Attempted to maintain good water quality in fish pond

**Description:** Whether the household tried to maintain the water quality among its fish farms in the past year.

**Question text:** Did you do anything to maintain good water quality in your pond in the past year?

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78013A** Methods to maintain water quality in fish pond

**Description:** If the household tried to maintain water quality among its fish farms in the past year, methods used. Multiple responses are allowed.

**Question text:** What did you do to maintain good water quality in your pond in the past year?

**Base:** All responsible farmers that maintained water quality among fish   
(V78013 = 1)

**Value set:**

A SCREENED THE WATER COMING INTO POND

B CUT GRASS AROUND THE POND

C DRAINED THE POND TO CLEAN IT

D ADDED ASH TO STABILIZE WATER PH

E ADDED DISSOLVED OXYGEN

X OTHER

**Value type:** string

**V78013AA** Methods to maintain water quality in fish pond – screened the water coming into pond.

**Description:** Whether the household maintained water quality in its fish farms by screening the water coming into pond.

**Base:** All responsible farmers that maintained water quality among fish   
(V78013 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78013AB** Methods to maintain water quality in fish pond – cut grass around the pond

**Description:** Whether the household maintained water quality in its fish farms by cutting grass around the pond.

**Base:** All responsible farmers that maintained water quality among fish   
(V78013 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78013AC** Methods to maintain water quality in fish pond – drained the pond to clean it

**Description:** Whether the household maintained water quality in its fish farms by draining the pond to clean it.

**Base:** All responsible farmers that maintained water quality among fish (V78013 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78013AD** Methods to maintain water quality in fish pond – added ash to stabilize the water pH

**Description:** Whether the household maintained water quality in its fish farms by adding ash to stabilize the water pH.

**Base:** All responsible farmers that maintained water quality among fish (V78013 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78013AE** Methods to maintain water quality in fish pond – added dissolved oxygen

**Description:** Whether the household maintained water quality in its fish farms by adding dissolved oxygen.

**Base:** All responsible farmers that maintained water quality among fish   
(V78013 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78013AX** Methods to maintain water quality in fish pond - other

**Description:** Whether the household maintained water quality in its fish farms by another method.

**Base:** All responsible farmers that maintained water quality among fish   
(V78013 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78014** Number of times drained water from fish pond

**Description:** Number of times the household drained water from fish pond in the past year. If the household did not drain water from the pond, the interviewer enters code 00.

**Question text:** In the past one year, how many times have you drained the water from your fish pond and allowed the bottom of the pond to dry?

**Base:** All responsible farmers that raised fish

**Value set:**

1:20

00 NONE

**Value type:** numeric

**V78015** Used techniques to improve fish production

**Description:** Whether the household used techniques to improve fish production in its fish farms.

**Question text:** In the past year, have you used any techniques to improve your production of fish?

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78016A** Improved production of fish with sex separation

**Description:** Whether the household improved production of its fish with sex separation.

**Question text:** What kind of technique did you use in the past year to improve your production of fish? Did you practice sex separation?

**Base:** All responsible farmers that used techniques to improve fish production (V78015 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78016B** Improved production of fish with age separation

**Description:** Whether the household improved production of its fish with age separation.

**Question text:** Age separation?

**Base:** All responsible farmers that used techniques to improve fish production (V78015 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78016C** Improved production of fish with variation of feed

**Description:** Whether the household improved production of its fish with variation of feed.

**Question text:** Variation of feed?

**Base:** All responsible farmers that used techniques to improve fish production (V7801 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78016D** Improved production of fish with an improved stocking method

**Description:** Whether the household improved production of its fish with an improved stocking method.

**Question text:** An improved stocking method?

**Base:** All responsible farmers that used techniques to improve fish production (V78015 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78016X** Improved production of fish with other technique

**Description:** Whether the household improved production of its fish with some other technique.

**Question text:** Some other technique? IF YES, what was the technique?

**Base:** All responsible farmers that used techniques to improve fish production (V78015 = 1)

**Value set:**

1 YES

2 NO

**Value type**: numeric

**V78017** Applied animal manure to fish ponds

**Description:** Whether the household applied manure to its fish ponds.

**Question text:** Did you add animal manure to your fish ponds in the past year?

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78017A** Source of animal manure for fish ponds

**Description:** For households that applied manure to their fish ponds, the source of that animal manure.

**Question text:** Where do you usually get the manure you add to your fish ponds?

**Base:** All responsible farmers that applied manure to their fish ponds (V78017 = 1)

**Value set:**

1 PRODUCED BY OWN ANIMALS

2 GIVEN BY FAMILY/FRIEND/NEIGHBOR FARM

3 PURCHASED FROM MARKET/TRADER

**Value type:** numeric

**V78018A** Harvest fish all at once or partially

**Description:** Whether the household harvests its fish all at once or in partial stages.

**Question text:** Do you usually harvest all of your fish at one time, or do you usually do partial harvests?

**Base:** All responsible farmers that raised fish

**Value set:**

1 HARVEST ALL FISH AT ONCE

2 PARTIAL HARVESTS

**Value type:** numeric

**V78018B** Method for harvesting fish

**Description:** Main method used when harvesting the household’s fish.

**Question text:** What method do you usually use to harvest your fish?

**Base:** All responsible farmers that raised fish

**Value set:**

1 CAST NET

2 SEINE NET

3 PULL CAGES UP

6 OTHER

**Value type:** numeric

**V78018C** Number of cages owned

**Description:** For households that harvest their fish using cages, the number of cages the household owns.

**Question text:** How many cages do you have?

**Base:** All responsible farmers that raised fish and harvested using cages (V78018B = 3)

**Value set:**

1:995

998 DON’T KNOW

**Value type:** numeric

**V78018D** Height of cages

**Description:** For households that harvest their fish using cages, the height of cages the household owns.

**Question text:** What is the height of your cages?

**Base:** All responsible farmers that raised fish and harvested using cages (V78018B = 3)

**Value set:**

1.0:99.5

99.8 DON’T KNOW

**Value type:** numeric

**V78018E** Width of cages

**Description:** For households that harvest their fish using cages, the width of cages the household owns.

**Question text:** What is the width of your cages?

**Base:** All responsible farmers that raised fish and harvested using cages (V78018B = 3)

**Value set:**

1.0:99.5

99.8 DON’T KNOW

**Value type:** numeric

**V78018F** Depth of cages

**Description:** For households that harvest their fish using cages, the depth of cages the household owns.

**Question text:** What is the depth of your cages?

**Base:** All responsible farmers that raised fish and harvested using cages (V78018B = 3)

**Value set:**

1.0:99.5

99.8 DON’T KNOW

**Value type:** numeric

**V78019A** Number of fish harvested in past month

**Description:** For households that harvest their fish, the number of fish that the household harvested in the past one month.

**Question text:** How many fish have you harvested in the past one month?

**Base:** All responsible farmers that raised fish

**Value set:**

1:9995

0 NONE

9998 DON’T KNOW

**Value type:** numeric

**V78019BN** Total weight of fish harvested in past month (number)

**Description:** For households that harvest their fish, the total weight of fish that the household harvested in the past one month.

**Question text:** What was the total weight of the fish you harvested in the past one month?

**Base:** All responsible farmers that harvested fish in the past month (V78019A > 0)

**Value set:**

1:9995

0 NONE

9998 DON’T KNOW

**Value type:** numeric

**V78019BU** Total weight of fish harvested in past month (unit)

**Base:** All responsible farmers that harvested fish in the past month (V78019A > 0)

**Value set:**

1 KG

2 LB

6 OTHER

**Value type:** numeric

**V78019C** Number of fish harvested in past year

**Description:** For households that harvest their fish, the number of fish that the household harvested in the past one year.

**Question text:** How many fish have you harvested in the past one year?

**Base:** All responsible farmers that raised fish

**Value set:**

1:9995

0 NONE

9998 DON’T KNOW

**Value type:** numeric

**V78019DN** Total weight of fish harvested in past year (number)

**Description:** For households that harvest their fish, the total weight of fish that the household harvested in the past one year.

**Question text:** What was the total weight of the fish you harvested in the past one year?

**Base:** All responsible farmers that harvested at fish in the past year   
(V78019C > 0)

**Value set:**

1:9995

0 NONE

9998 DON’T KNOW

**Value type:** numeric

**V78019DU** Total weight of fish harvested in past year (unit)

**Base:** All responsible farmers that harvested at fish in the past year (V78019C > 0)

**Value set:**

1 KG

2 LB

6 OTHER

**Value type:** numeric

**V78020** Fish used food and/or market

**Description:** Whether the household grew fish for household food, sale in the market, or both.

**Question text:** Did you grow your fish crop: To provide food for the household? To be sold or traded in the market? Both for food and for the market?

**Base:** All responsible farmers that raised fish

**Value set:**

1 RAISED FOR FOOD ONLY

2 RAISED FOR MARKET ONLY

3 RAISED FOR BOTH FOOD & MARKET

**Value type:** numeric

**V78021** Method for harvesting fish for household

**Description:** Method for preparing fish for the household after it has been harvested.

**Question text:** After you harvest the fish that you use to provide food for your household, do you usually leave the fish whole round, gut the fish, salt, smoke, dry, or pickle the fish?

**Base:** All responsible farmers that raised fish for food (V78021 <> 2)

**Value set:**

1 LEAVE WHOLE ROUND

2 GUT ONLY

3 SALT

4 SMOKE

5 DRY

6 PICKLE

96 OTHER

**Value type:** numeric

**V78022** Fish raised to be sold or traded in the market filter

**Description:** Filter checking whether the household raised fish to sell or trade in a market setting. Automatic check in CAPI data collection.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78023** Method for harvesting fish for the market

**Description:** Method for preparing fish for the market after it has been harvested.

**Question text:** After you harvest the fish that you sell or trade in the market, do you usually leave the fish whole round, gut the fish, salt, smoke, dry, or pickle the fish?

**Base:** All responsible farmers that raised fish for the market (V78020 <> 1)

**Value set:**

1 LEAVE WHOLE ROUND

2 GUT ONLY

3 SALT

4 SMOKE

5 DRY

6 PICKLE

96 OTHER

**Value type:** numeric

**V78023A** Use of fish guts

**Description:** What the household does with fish guts after processing the fish from its harvest. Multiple responses are allowed.

**Question text:** After you process your fish, what do you do with the fish guts?

**Base:** All responsible farmers that raised fish

**Value set:**

A USE AS COMPOST

B USE AS ANIMAL FEED

X OTHER

**Value type:** string

**V78023AA** Use of fish guts – use as compost

**Description:** Whether the household uses the fish guts as compost after processing the fish from its harvest.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78023AB** Use of fish guts – use as animal feed

**Description:** Whether the household uses the fish guts as animal feed after processing the fish from its harvest.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78023AX** Use of fish guts - other

**Description:** Whether the household uses the fish guts for something else after processing the fish from its harvest.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78023B** Use of fish skins and scales

**Description:** What the household does with fish skins and scales after processing the fish from its harvest. Multiple responses are allowed.

**Question text:** After you process your fish, what do you do with the fish skins or scales?

**Base:** All responsible farmers that raised fish

**Value set:**

A USE AS COMPOST

B USE AS ANIMAL FEED

C SELL THEM

X OTHER

**Value type:** string

**V78023BA** Use of fish skins and scales – use as compost

**Description:** Whether the household uses the fish skins and scales as compost after processing the fish from its harvest.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78023BB** Use of fish skins and scales – use as animal feed

**Description:** Whether the household uses the fish skins and scales as animal feed after processing the fish from its harvest.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78023BC** Use of fish skins and scales – sell them

**Description:** Whether the household sells the fish skins and scales after processing the fish from its harvest.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78023BX** Use of fish skins and scales - other

**Description:** Whether the household uses the fish skins and scales for something else after processing the fish from its harvest.

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78024** Keeps records on fish

**Description:** Whether the household keeps records on its fish and fish farms.

**Question text:** Do you keep regular written records on your fish, for example how much feed the fish are given, what kind of feed the fish are given, the number of fish stocked, or the number of fish harvested?

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78025** Trained in aquaculture

**Description:** Whether the respondent has ever been trained in aquaculture.

**Question text:** Have you ever been trained in aquaculture, either formally or informally?

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES, FORMALLY TRAINED

2 YES, INFORMALLY TRAINED

3 NOT TRAINED

**Value type:** numeric

**V78025A** How long ago trained in aquaculture

**Description:** If trained in aquaculture, how long ago the respondent was trained in aquaculture.

**Question text:** When was the last time you participated in a formal training on aquaculture?

**Base:** All responsible farmers that were formally trained in aquaculture (V78025 = 1)

**Value set:**

1 WITHIN THE PAST 1 YEAR

2 WITHIN THE PAST 2 YEARS

3 WITHIN THE PAST 3 YEARS

4 MORE THAN 3 YEARS AGO

**Value type:** numeric

**V78026** Access to extension services for fish

**Description:** Whether the household has access to extension services for its fish farms.

**Question text:** Do you have access to extension services for your fish?

**Base:** All responsible farmers that raised fish

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V78027** Source of information for fish crop success

**Description:** Main source of information the respondent relies on to help grow his or her fish well.

**Question text:** What information source do you rely on the most to help raise your fish well?

**Base:** All responsible farmers that raised fish

**Value set:**

1 FRIEND/NEIGHBOR

2 AGRO-INPUT DEALER

3 AG EXTENSION WORKER

4 SCHOOL

5 RADIO PROGRAM

6 TELEVISION

7 MOBILE PHONE MESSAGING

8 INTERNET

96 OTHER

**Value type:** numeric

**V78028H** Module 7.80: stop hour

**Description:** Time of the stop of the data collection for Module 7.80, collected in a 24‑hour format.

**Base:** All responsible farmers that raised fish in the past year

**Value set:** 0:23

**Value type:** numeric

**V78028M** Module 7.80: stop minute

**Description:** Time of the stop of the data collection for Module 7.80, collected in a 24‑hour format.

**Base:** All responsible farmers that raised fish in the past year

**Value set:** 0:59

**Value type:** numeric

**D78028** Module 7.80: stop day

**Description:** Day of the stop date for data collection for Module 7.80.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M78028** Module 7.80: stop month

**Description:** Month of the stop date for data collection for Module 7.80.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y78028** Module 7.80: stop year

**Description:** Year of the stop date for the data collection for Module 7.80.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V78029** Outcome of the module

**Description:** Result code of Module 7.80. Code 3 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** All responsible farmers that cultivated fish ponds

**Value set:**

1 COMPLETED

2 MODULE RESPONDENT NOT AT HOME

3 POSTPONED/UNAVAILABLE

4 REFUSED

5 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

**V78030** Interviewer number for Module 7.80

**Description:** Identification code for the interviewer assigned to Module 7.80, unique for each interviewer participating in fieldwork.

**Base:** All responsible farmers that cultivated fish ponds

**Value set:** 11:909

**Value type:** numeric

# Module 7.90 (MOD\_790): Land Map

**V79000A** Farmer index

**Description:** Index variable for identifying farmer for Module 7.90.

**Base:** All farmers that cultivated VCC1, VCC2, or VCC3

**Value set:** 1:50

**Value type:** numeric

**V79000AH** Module 7.90: start hour

**Description:** Time of the start of the data collection for Module 7.90, collected in a 24-hour format.

**Base:** All farmers that cultivated VCC1, VCC2, or VCC3

**Value set:** 0:23

**Value type:** numeric

**V79000AM** Module 7.90: start minute

**Description:** Time of the start of the data collection for Module 7.90, collected in a 24-hour format.

**Base:** All farmers that cultivated VCC1, VCC2, or VCC3

**Value set:** 0:59

**Value type:** numeric

**D79000** Module 7.90: start day

**Description:** Day of the start date for data collection for Module 7.90.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M79000** Module 7.90: start month

**Description:** Month of the start date for data collection for Module 7.90.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y79000** Module 7.90: start year

**Description:** Year of the start date for the data collection for Module 7.90.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V79000C** Line number of respondent Module 7.90

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 7.90.

**Base:** All farmers that cultivated VCC1, VCC2, or VCC3

**Value set:** 1:50

**Value type:** numeric

**V79000D** C-VCCs that respondent cultivated

**Description:** C-VCCs that the current farmer/respondent is responsible for cultivating. Automatically filled in CAPI.

**Base:** All farmers that cultivated VCC1, VCC2, or VCC3

A [C-VCC1]

B [C-VCC2]

C [C-VCC3]

**Value type:** string

**V79000F1** C-VCCs that respondent cultivated in plot 1

**Description:** C-VCCs that the current farmer/respondent is responsible for cultivating in this plot. Automatically filled in CAPI.

**Base:** All farmers that cultivated VCC1, VCC2, or VCC3

A [C-VCC1]

B [C-VCC2]

C [C-VCC3]

**Value type:** string

**V79000F2** C-VCCs that respondent cultivated in plot 2

**Description:** C-VCCs that the current farmer/respondent is responsible for cultivating in this plot. Automatically filled in CAPI.

**Base:** All farmers that cultivated VCC1, VCC2, or VCC3

A [C-VCC1]

B [C-VCC2]

C [C-VCC3]

Z NO OTHER PLOTS

**Value type:** string

**V79000F3** C-VCCs that respondent cultivated in plot 3

**Description:** C-VCCs that the current farmer/respondent is responsible for cultivating in this plot. Automatically filled in CAPI.

**Base:** All farmers that cultivated VCC1, VCC2, or VCC3

A [C-VCC1]

B [C-VCC2]

C [C-VCC3]

Z NO OTHER PLOTS

**Value type:** string

**V79000F4** C-VCCs that respondent cultivated in plot 4

**Description:** C-VCCs that the current farmer/respondent is responsible for cultivating in this plot. Automatically filled in CAPI.

**Base:** All farmers that cultivated VCC1, VCC2, or VCC3

A [C-VCC1]

B [C-VCC2]

C [C-VCC3]

Z NO OTHER PLOTS

**Value type:** string

**V79000F5** C-VCCs that respondent cultivated in plot 5

**Description:** C-VCCs that the current farmer/respondent is responsible for cultivating in this plot. Automatically filled in CAPI.

**Base:** All farmers that cultivated VCC1, VCC2, or VCC3

A [C-VCC1]

B [C-VCC2]

C [C-VCC3]

Z NO OTHER PLOTS

**Value type:** string

**V79000F6** C-VCCs that respondent cultivated in plot 6

**Description:** C-VCCs that the current farmer/respondent is responsible for cultivating in this plot. Automatically filled in CAPI.

**Base:** All farmers that cultivated VCC1, VCC2, or VCC3

A [C-VCC1]

B [C-VCC2]

C [C-VCC3]

Z NO OTHER PLOTS

**Value type:** string

**V79000F7** C-VCCs that respondent cultivated in plot 7

**Description:** C-VCCs that the current farmer/respondent is responsible for cultivating in this plot. Automatically filled in CAPI.

**Base:** All farmers that cultivated VCC1, VCC2, or VCC3

A [C-VCC1]

B [C-VCC2]

C [C-VCC3]

Z NO OTHER PLOTS

**Value type:** string

**V79000F8** C-VCCs that respondent cultivated in plot 8

**Description:** C-VCCs that the current farmer/respondent is responsible for cultivating in this plot. Automatically filled in CAPI.

**Base:** All farmers that cultivated VCC1, VCC2, or VCC3

A [C-VCC1]

B [C-VCC2]

C [C-VCC3]

Z NO OTHER PLOTS

**Value type:** string

**V79000GH** Module 7.90: stop hour

**Description:** Time of the stop of the data collection for Module 7.90, collected in a 24‑hour format.

**Base:** All farmers that cultivated VCC1, VCC2, or VCC3

**Value set:** 0:23

**Value type:** numeric

**V79000GM** Module 7.90: stop minute

**Description:** Time of the stop of the data collection for Module 7.90, collected in a 24‑hour format.

**Base:** All farmers that cultivated VCC1, VCC2, or VCC3

**Value set:** 0:59

**Value type:** numeric

**D79000G** Module 7.90: stop day

**Description:** Day of the stop date for data collection for Module 7.90.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M79000G** Module 7.90: stop month

**Description:** Month of the stop date for data collection for Module 7.90.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y79000G** Module 7.90: stop year

**Description:** Year of the stop date for the data collection for Module 7.90.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V79001** Outcome of the module

**Description:** Result code of Module 7.90. Code 3 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** All responsible farmers that cultivated fish ponds

**Value set:**

1 COMPLETED

2 MODULE RESPONDENT NOT AT HOME

3 POSTPONED/UNAVAILABLE

4 REFUSED

5 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

**V79002** Interviewer number for Module 7.90

**Description:** Identification code for the interviewer assigned to Module 7.90, unique for each interviewer participating in fieldwork.

**Base:** All responsible farmers that cultivated fish ponds

**Value set:** 11:909

**Value type:** numeric

# Module 7.91 (MOD\_791): Land Area Measurement

**V79100A** Plot index

**Description:** Index variable for identifying plot for Module 7.91.

**Base:** All responsible farmers that cultivated VCC1, VCC2, or VCC3

**Value set:** 1:50

**Value type:** numeric

**V79100AH** Module 7.91: start hour

**Description:** Time at the start of the data collection for Module 7.91, collected in a 24‑hour format.

**Base:** All farmers that cultivated VCC1, VCC2, or VCC3

**Value set:** 0:23

**Value type:** numeric

**V79100AM** Module 7.91: start minute

**Description:** Time of the start of the data collection for Module 7.91, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated VCC1, VCC2, or VCC3

**Value set:** 0:59

**Value type:** numeric

**D79100** Module 7.91: start day

**Description:** Day of the start date for data collection for Module 7.91.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M79100** Module 7.91: start month

**Description:** Month of the start date for data collection for Module 7.91.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y79100** Module 7.91: start year

**Description:** Year of the start date for the data collection for Module 7.91.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V79100C** Line number of respondent Module 7.91

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 7.91.

**Base:** All responsible farmers that cultivated VCC1, VCC2, or VCC3

**Value set:** 1:50

**Value type:** numeric

**V79101** Tested soil for fertility in past 12 months

**Description:** Whether the soil in this plot had been tested for fertility in the past 12 months.

**Question text:** Have you tested the soil for fertility in the past 12 months?

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79102** Ever tested soil for fertility

**Description:** Whether the soil in this plot has ever been tested for fertility.

**Question text:** Have you ever tested the soil for fertility?

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3, but not in the past 12 months (V79101 = 2)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79103** Type of soil testing that has been done

**Description:** Type of soil fertility testing that have been done on this plot. Multiple answers are allowed.

**Question text:** What kind of testing was done to measure soil fertility?

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

A CALCIUM

B CARBON

C COPPER

D MAGNESIUM

E NITROGEN

F ORGANIC MATTER

G PH

H PHOSPHORUS

I POTASSIUM

J SALTS

K SULFUR

L ZINC

X OTHER

Y DON’T KNOW

**Value type:** string

**V79103A** Type of soil testing that has been done - calcium

**Description:** Whether calcium testing has been done on this plot.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79103B** Type of soil testing that has been done - carbon

**Description:** Types of soil fertility testing that have been done on this plot. Multiple answers are allowed.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79103C** Type of soil testing that has been done - copper

**Description:** Whether copper testing has been done on this plot.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79103D** Type of soil testing that has been done - magnesium

**Description:** Whether magnesium testing has been done on this plot.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79103E** Type of soil testing that has been done - nitrogen

**Description:** Type of soil fertility testing that have been done on this plot. Multiple answers are allowed.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79103F** Type of soil testing that has been done – organic matter

**Description:** Whether organic matter testing has been done on this plot.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79103G** Type of soil testing that has been done - pH

**Description:** Whether pH testing has been done on this plot.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79103H** Type of soil testing that has been done - phosphorus

**Description:** Whether phosphorus testing has been done on this plot.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79103I** Type of soil testing that has been done - potassium

**Description:** Whether potassium testing has been done on this plot.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79103J** Type of soil testing that has been done - salts

**Description:** Whether salt level testing has been done on this plot.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79103K** Type of soil testing that has been done - sulfur

**Description:** Whether sulfur testing has been done on this plot.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79103L** Type of soil testing that has been done - zinc

**Description:** Whether zinc testing has been done on this plot.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79103X** Type of soil testing that has been done - other

**Description:** Whether the plot was tested for some other type of fertility testing that have been done on this plot.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79103Y** Type of soil testing that has been done – don’t know

**Description:** Whether the respondent did not know the type of soil fertility testing that has been done on this plot.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79104** Who tested the soil

**Description:** Who tested the soil in the current plot for fertility. Multiple responses allowed.

**Question text:** Who tested the soil?

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

A SELF

B PARTNER/SPOUSE

C OTHER HOUSEHOLD MEMBER

D FRIEND/NEIGHBOR

E AGRO-INPUT DEALER

F AG EXTENSION WORKER

X OTHER

**Value type:** string

**V79104A** Who tested the soil - self

**Description:** Whether the respondent tested the soil in the current plot for fertility.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79104B** Who tested the soil – partner/spouse

**Description:** Whether the respondent’s partner/spouse tested the soil in the current plot for fertility.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79104C** Who tested the soil – other household member

**Description:** Whether another household member tested the soil in the current plot for fertility.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79104D** Who tested the soil – friend/neighbor

**Description:** Whether a friend/neighbor tested the soil in the current plot for fertility.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79104E** Who tested the soil – agro-input dealer

**Description:** Whether an agro-input dealer tested the soil in the current plot for fertility.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79104F** Who tested the soil – ag extension worker

**Description:** Whether an ag extension worker tested the soil in the current plot for fertility.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79104X** Who tested the soil - other

**Description:** Whether someone else tested the soil in the current plot for fertility.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3 and have ever tested the plot for fertility (V79101 = 1 or V79102 = 1)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79105** Soil assessment barcode

**Description:** Holds an identifying barcode for the plot that is used as the name of the plot in the LandPKS soil assessment application. A barcode is required to do the assessment because the data are uploaded to the LandPKS database and security of identifiers cannot otherwise be guaranteed.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3

**Value type:** string

**V79106U** Land area – self-reporting - unit

**Description:** Total land area of the plot based on self-report. This variable holds the unit value of the response.

**Question text:** What is the area of this plot?

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3

**Value set:**

1 HECTARES

2 SQUARE METERS

3 [LOCAL UNITS]

6 OTHER

9 SPECIAL UNITS

**Value type:** numeric

**V79106N** Land area – self-reporting - number

**Description:** Total land area of the plot based on self-report. This variable holds the number value of the response.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3

**Value set:**

0 – 9999.90

9999.95 REFUSED

9999.96 OTHER

**Value type:** numeric

**V79107** Land area in hectares

**Description:** Total land area of the plot, collected with the Fields Area Measurement application. Collected in hectares unless otherwise noted (and converted to hectares).

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3

**Value set:**

0 – 9999.90

9999.95 REFUSED

9999.96 OTHER

**Value type:** numeric

**V79108A** Percentage of [C-VCC1] cultivated in plot

**Description:** If [C-VCC1] was cultivated in this plot, the percentage of the total area that is covered by [C-VCC1].

**Question text:** How much of plot X was cultivated with [C-VCC1]?

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3

**Value set:**

0 Not planted in this plot

1-100

**Value type:** numeric

**V79108B** Percentage of [C-VCC2] cultivated in plot

**Description:** If [C-VCC2] was cultivated in this plot, the percentage of the total area that is covered by [C-VCC2].

**Question text:** How much of plot X was cultivated with [C-VCC2]?

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3

**Value set:**

0 Not planted in this plot

1-100

**Value type:** numeric

**V79108C** Percentage of [C-VCC3] cultivated in plot

**Description:** If [C-VCC3] was cultivated in this plot, the percentage of the total area that is covered by [C-VCC3].

**Question text:** How much of plot X was cultivated with [C-VCC3]?

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3

**Value set:**

0 Not planted in this plot

1-100

**Value type:** numeric

**V79109** Farmer responsible for any other crop filter

**Description:** Whether the current farmer/respondent was primarily responsible for cultivating any other plots in the past season. Automatic check in CAPI.

**Base:** All household plots that cultivated VCC1, VCC2, or VCC3

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V79110H** Module 7.91: stop hour

**Description:** Time of the stop of the data collection for Module 7.91, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated VCC1, VCC2, or VCC3

**Value set:** 0:23

**Value type:** numeric

**V79110M** Module 7.91: stop minute

**Description:** Time of the stop of the data collection for Module 7.91, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated VCC1, VCC2, or VCC3

**Value set:** 0:59

**Value type:** numeric

**D79110** Module 7.91: stop day

**Description:** Day of the stop date for data collection for Module 7.91.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M79110** Module 7.91: stop month

**Description:** Month of the stop date for data collection for Module 7.91.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y79110** Module 7.91: stop year

**Description:** Year of the stop date for the data collection for Module 7.91.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V79111** Module 7.9: Outcome of the module

**Description:** Result code for each eligible farmers identified in Module 2. Code 4 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed. This is a multiple-occurrence variable, depending on the number of eligible farmers.

**Base:** All eligible farmers

**Value set:**

1 COMPLETED

2 MODULE RESPONDENT NOT AT HOME

3 POSTPONED/UNAVAILABLE

4 REFUSED

5 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

**V79111** Outcome of the module

**Description:** Result code of Module 7.91. Code 3 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** All responsible farmers that cultivated fish ponds

**Value set:**

1 COMPLETED

2 MODULE RESPONDENT NOT AT HOME

3 POSTPONED/UNAVAILABLE

4 REFUSED

5 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

**V79112** Interviewer number for Module 7.91

**Description:** Identification code for the interviewer assigned to Module 7.91, unique for each interviewer participating in fieldwork.

**Base:** All responsible farmers that cultivated fish ponds

**Value set:** 11:909

**Value type:** numeric

# Module 7.92 (MOD\_792): Crop Commodity Production, Sale and Consumption

**V79200A** Farmer/crop index

**Description:** Index variable for identifying farmer/crop for Module 7.92.

**Base:** All farmers that cultivated a [C-VCC]

**Value set:** 1:15

**Value type:** numeric

**V79200AH** Module 7.92: start hour

**Description:** Time of the start of the data collection for Module 7.92, collected in a 24-hour format.

**Base:** All farmers that cultivated a [C-VCC]

**Value set:** 0:23

**Value type:** numeric

**V79200AM** Module 7.92: start minute

**Description:** Time of the start of the data collection for Module 7.92, collected in a 24-hour format.

**Base:** All farmers that cultivated a [C-VCC]

**Value set:** 0:59

**Value type:** numeric

**D79200** Module 7.92: start day

**Description:** Day of the start date for data collection for Module 7.92.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M79200** Module 7.92: start month

**Description:** Month of the start date for data collection for Module 7.92.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y79200** Module 7.92: start year

**Description:** Year of the start date for the data collection for Module 7.92.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V79200C** Line number of respondent Module 7.92

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 7.92.

**Base:** All farmers that cultivated a [C-VCC]

**Value set:** 1:50

**Value type:** numeric

**V79200D** [C-VCC] being asked about

**Description:** Crop being asked about in the current interview.

**Base:** All farmers that cultivated a [C-VCC]

**Value set:**

1 [C-VCC1]

2 [C-VCC2]

3 [C-VCC3]

**Value type:** numeric

**V79201N** Total harvest of [VCC] in past season (number)

**Description:** Total amount of harvest for [VCC] in the past season.

**Question text:** Altogether, how much [C-VCC] did you harvest in the past season?

**Base:** All farmers that cultivated a [C-VCC]

**Value set:** 0.1:999.5

**Value type:** numeric

**V79201U** Total harvest of [VCC] in past season (number)

**Description:** Total amount of harvest for [VCC] in the past season.

**Base:** All farmers that cultivated a [C-VCC]

**Value set:**

1 Ounces

2 Kilograms

3 Tons

6 Other

**Value type:** numeric

**V79202N** Total harvest of [VCC] sold in past season (number)

**Description:** Total amount of harvest for [VCC] sold in the past season.

**Base:** All farmers that cultivated a [C-VCC]

**Value set:** 0.1:999.5

**Value type:** numeric

**V79202U** Total harvest of [VCC] sold in past season (number)

**Description:** Total amount of harvest for [VCC] sold in the past season.

**Base:** All farmers that cultivated a [C-VCC]

**Value set:**

1 Ounces

2 Kilograms

3 Tons

6 Other

**Value type:** numeric

**V79203** Main buyer of harvested [VCC]

**Description:** Main buyer of household’s [VCC] crop that was sold in the past season.

**Base:** All farmers that cultivated a [C-VCC]

**Value set:**

1 RELATIVE/FRIEND

2 LOCAL MARKET

3 PRIVATE TRADER

4 AG CO-OP

6 OTHER

**Value type:** numeric

**V79204N** Total harvest of [VCC] consumed in past season (number)

**Description:** Total amount of harvest for [VCC] consumed in the past season.

**Base:** All farmers that cultivated a [C-VCC]

**Value set:** 0.1:999.5

**Value type:** numeric

**V79204U** Total harvest of [VCC] consumed in past season (number)

**Description:** Total amount of harvest for [VCC] consumed in the past season.

**Base:** All farmers that cultivated a [C-VCC]

**Value set:**

1 Ounces

2 Kilograms

3 Tons

6 Other

**Value type:** numeric

**V79205H** Module 7.92: stop hour

**Description:** Time of the stop of the data collection for Module 7.92, collected in a 24‑hour format.

**Base:** All farmers that cultivated a [C-VCC]

**Value set:** 0:23

**Value type:** numeric

**V79205M** Module 7.92: stop minute

**Description:** Time of the stop of the data collection for Module 7.92, collected in a 24‑hour format.

**Base:** All farmers that cultivated a [C-VCC]

**Value set:** 0:59

**Value type:** numeric

**D79205** Module 7.92: stop day

**Description:** Day of the stop date for data collection for Module 7.92.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M79205** Module 7.92: stop month

**Description:** Month of the stop date for data collection for Module 7.92.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y79205** Module 7.92: stop year

**Description:** Year of the stop date for the data collection for Module 7.92.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V79206** Outcome of the module

**Description:** Result code of Module 7.92. Code 3 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** All farmers that cultivated a [C-VCC]

**Value set:**

1 COMPLETED

2 MODULE RESPONDENT NOT AT HOME

3 POSTPONED/UNAVAILABLE

4 REFUSED

5 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

**V79207** Interviewer number for Module 7.92

**Description:** Identification code for the interviewer assigned to Module 7.92, unique for each interviewer participating in fieldwork.

**Base:** All farmers that cultivated a [C-VCC]

**Value set:** 11:909

**Value type:** numeric

# Module 7.96 (MOD\_796): Pond Information

**V79601** Line number of respondent Module 7.96

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 7.96.

**Base:** All responsible farmers that cultivated fish ponds

**Value set:** 1:50

**Value type:** numeric

**V79602** Pond index

**Description:** Index variable for identifying plot for Module 7.96.

**Base:** All responsible farmers that cultivated fish ponds

**Value set:** 1:50

**Value type:** numeric

**V79603H** Module 7.96: start hour

**Description:** Time of the start of the data collection for Module 7.96, collected in a 24-hour format.

**Base:** All responsible farmers that cultivated fish ponds

**Value set:** 0:23

**Value type:** numeric

**V79603M** Module 7.96: start minute

**Description:** Time of the start of the data collection for Module 7.96, collected in a 24-hour format.

**Base:** All responsible farmers that cultivated fish ponds

**Value set:** 0:59

**Value type:** numeric

**D79603** Module 7.96: start day

**Description:** Day of the start date for data collection for Module 7.96.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M79603** Module 7.96: start month

**Description:** Month of the start date for data collection for Module 7.96.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y79603** Module 7.96: start year

**Description:** Year of the start date for the data collection for Module 7.96.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V79604** Pond area in hectares

**Description:** Total land area of the pond, collected with the Fields Area Measurement application. Collected in hectares unless otherwise noted (and converted to hectares).

**Base:** All responsible farmers that cultivated fish ponds

**Value set:** 0.1:999.5

**Value type:** numeric

**V79605H** Module 7.96: end hour

**Description:** Time of the end of the data collection for Module 7.96, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated fish ponds

**Value set:** 0:23

**Value type:** numeric

**V79605M** Module 7.96: end minute

**Description:** Time of the end of the data collection for Module 7.96, collected in a 24‑hour format.

**Base:** All responsible farmers that cultivated fish ponds

**Value set:** 0:59

**Value type:** numeric

**D79605** Module 7.96: stop day

**Description:** Day of the stop date for data collection for Module 7.96.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M79605** Module 7.96: stop month

**Description:** Month of the stop date for data collection for Module 7.96.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y79605** Module 7.96: stop year

**Description:** Year of the stop date for the data collection for Module 7.96.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V79606** Outcome of the module

**Description:** Result code of Module 7.96. Code 3 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** All responsible farmers that cultivated fish ponds

**Value set:**

1 COMPLETED

2 MODULE RESPONDENT NOT AT HOME

3 POSTPONED/UNAVAILABLE

4 REFUSED

5 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

96 OTHER

**Value type:** numeric

**V79607** Interviewer number for Module 7.96

**Description:** Identification code for the interviewer assigned to Module 7.80, unique for each interviewer participating in fieldwork.

**Base:** All responsible farmers that cultivated fish ponds

**Value set:** 11:909

**Value type:** numeric

# Module 8 (MOD\_8\_INF): Single Information

**V8100H** Module 8.1: start hour

**Description:** Time of the start of the data collection for Module 8.1, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V8100M** Module 8.1: start minute

**Description:** Time of the start of the data collection for Module 8.1, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D8100** Module 8.1: start day

**Description:** Day of the start date for data collection for Module 8.1.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M8100** Module 8.1: start month

**Description:** Month of the start date for data collection for Module 8.1.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y8100** Module 8.1: start year

**Description:** Year of the start date for the data collection for Module 8.1.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V8100C** Module 8.1: Respondent

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 8.1.

**Base:** All completed households

**Value set:** 1:50

**Value type:** numeric

**V8100D** Module 8.1: Respondent consent

**Description:** Whether the respondent to Module 8.1 has agreed to be interviewed and included in the survey. If the respondent has not agreed, the interview may not continue.

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V8116H** Module 8.1: stop hour

**Description:** Time of the stop of the data collection for Module 8.1, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V8116M** Module 8.1: stop minute

**Description:** Time of the stop of the data collection for Module 8.1, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D8116** Module 8.1: stop day

**Description:** Day of the stop date for data collection for Module 8.1.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M8116** Module 8.1: stop month

**Description:** Month of the stop date for data collection for Module 8.1.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y8116** Module 8.1: stop year

**Description:** Year of the stop date for the data collection for Module 8.1.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V8200H** Module 8.2: start hour

**Description:** Time of the start of the data collection for Module 8.2, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V8200M** Module 8.2: start minute

**Description:** Time of the start of the data collection for Module 8.2, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D8200** Module 8.2: start day

**Description:** Day of the start date for data collection for Module 8.2.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M8200** Module 8.2: start month

**Description:** Month of the start date for data collection for Module 8.2.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y8200** Module 8.2: start year

**Description:** Year of the start date for the data collection for Module 8.2.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V8200B** Module 8.2: Respondent

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 8.2.

**Base:** All completed households

**Value set:** 1:50

**Value type:** numeric

**V8204H** Module 8.2: stop hour

**Description:** Time of the stop of the data collection for Module 8.2, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**D8204** Module 8.2: stop day

**Description:** Day of the stop date for data collection for Module 8.2.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M8204** Module 8.2: stop month

**Description:** Month of the stop date for data collection for Module 8.2.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y8204** Module 8.2: stop year

**Description:** Year of the stop date for the data collection for Module 8.2.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V8204M** Module 8.2: stop minute

**Description:** Time of the stop of the data collection for Module 8.2, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**V8300H** Module 8.3: start hour

**Description:** Time of the start of the data collection for Module 8.3, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V8300M** Module 8.3: start minute

**Description:** Time of the start of the data collection for Module 8.3, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D8300** Module 8.3: start day

**Description:** Day of the start date for data collection for Module 8.3.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M8300** Module 8.3: start month

**Description:** Month of the start date for data collection for Module 8.3.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y8300** Module 8.3: start year

**Description:** Year of the start date for the data collection for Module 8.3.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V8300B** Module 8.3: Respondent

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 8.3.

**Base:** All completed households

**Value set:** 1:50

**Value type:** numeric

**V8304H** Module 8.3: stop hour

**Description:** Time of the stop of the data collection for Module 8.3, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V8304M** Module 8.3: stop minute

**Description:** Time of the stop of the data collection for Module 8.3, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D8304** Module 8.3: stop day

**Description:** Day of the stop date for data collection for Module 8.3.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M8304** Module 8.3: stop month

**Description:** Month of the stop date for data collection for Module 8.3.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y8304** Module 8.3: stop year

**Description:** Year of the stop date for the data collection for Module 8.3.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V8400H** Module 8.4: start hour

**Description:** Time of the start of the data collection for Module 8.4, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V8400M** Module 8.4: start minute

**Description:** Time of the start of the data collection for Module 8.4, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D8400** Module 8.4: start day

**Description:** Day of the start date for data collection for Module 8.4.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M8400** Module 8.4: start month

**Description:** Month of the start date for data collection for Module 8.4.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y8400** Module 8.4: start year

**Description:** Year of the start date for the data collection for Module 8.4.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V8400B** Module 8.4: Respondent

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 8.4.

**Base:** All completed households

**Value set:** 1:50

**Value type:** numeric

**V8404H** Module 8.4: stop hour

**Description:** Time of the stop of the data collection for Module 8.4, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V8404M** Module 8.4: stop minute

**Description:** Time of the stop of the data collection for Module 8.4, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D8404** Module 8.4: stop day

**Description:** Day of the stop date for data collection for Module 8.4.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M8404** Module 8.4: stop month

**Description:** Month of the stop date for data collection for Module 8.4.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y8404** Module 8.4: stop year

**Description:** Year of the stop date for the data collection for Module 8.4.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V8500AH** Module 8.5A: start hour

**Description:** Time of the start of the data collection for Module 8.5A, collected in a 24-hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V8500AM** Module 8.5A: start minute

**Description:** Time of the start of the data collection for Module 8.5A, collected in a 24-hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D8500A** Module 8.5A: start day

**Description:** Day of the start date for data collection for Module 8.5A.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M8500A** Module 8.5A: start month

**Description:** Month of the start date for data collection for Module 8.5A.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y8500A** Module 8.5: start year

**Description:** Year of the start date for the data collection for Module 8.5A.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V8500B** Module 8.5A: Respondent

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 8.5A.

**Base:** All completed households

**Value set:** 1:50

**Value type:** numeric

**V8504H** Module 8.5A: stop hour

**Description:** Time of the stop of the data collection for Module 8.5A, collected in a 24-hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V8504M** Module 8.5A: stop minute

**Description:** Time of the stop of the data collection for Module 8.5A, collected in a 24-hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D8504A** Module 8.5A: stop day

**Description:** Day of the stop date for data collection for Module 8.5A.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M8504A** Module 8.5A: stop month

**Description:** Month of the stop date for data collection for Module 8.5A.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y8504A** Module 8.5: stop year

**Description:** Year of the stop date for the data collection for Module 8.5A.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V8500BH** Module 8.5B: start hour

**Description:** Time of the start of the data collection for Module 8.5B, collected in a 24-hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V8500BM** Module 8.5B: start minute

**Description:** Time of the start of the data collection for Module 8.5B, collected in a 24-hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D8500B** Module 8.5B: start day

**Description:** Day of the start date for data collection for Module 8.5B.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M8500B** Module 8.5B: start month

**Description:** Month of the start date for data collection for Module 8.5B.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y8500B** Module 8.5B: start year

**Description:** Year of the start date for the data collection for Module 8.5B.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V8500D** Module 8.5B: Respondent

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 8.5B.

**Base:** All completed households

**Value set:** 1:50

**Value type:** numeric

**V8509H** Module 8.5B: stop hour

**Description:** Time of the stop of the data collection for Module 8.5B, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V8509M** Module 8.5B: stop minute

**Description:** Time of the stop of the data collection for Module 8.5B, collected in a 24‑hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D8509B** Module 8.5B: stop day

**Description:** Day of the stop date for data collection for Module 8.5B.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M8509B** Module 8.5B: stop month

**Description:** Month of the stop date for data collection for Module 8.5B.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y8509B** Module 8.5B: stop year

**Description:** Year of the stop date for the data collection for Module 8.5B.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V8600H** Module 8.6, 8.7: start hour

**Description:** Time of the start of the data collection for Module 8.6 and 8.7, collected in a 24-hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V8600M** Module 8.6, 8.7: start minute

**Description:** Time of the start of the data collection for Module 8.6 and 8.7, collected in a 24-hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D8600** Module 8.6, 8.7: start day

**Description:** Day of the start date for data collection for Module 8.6.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M8600** Module 8.6, 8.7: start month

**Description:** Month of the start date for data collection for Module 8.6.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y8600** Module 8.6, 8.7: start year

**Description:** Year of the start date for the data collection for Module 8.6.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V8600B** Module 8.6, 8.7: Respondent

**Description:** Line number, in the household roster, of the member of the household who was interviewed for Module 8.6 and 8.7.

**Base:** All completed households

**Value set:** 1:50

**Value type:** numeric

**V8708H** Module 8.6, 8.7: stop hour

**Description:** Time of the stop of the data collection for Module 8.6, 8.7, collected in a 24-hour format.

**Base:** All completed households

**Value set:** 0:23

**Value type:** numeric

**V8708M** Module 8.6, 8.7: stop minute

**Description:** Time of the stop of the data collection for Module 8.6 and 8.7, collected in a 24-hour format.

**Base:** All completed households

**Value set:** 0:59

**Value type:** numeric

**D8708** Module 8.6, 8.7: stop day

**Description:** Day of the stop date for data collection for Module 8.6, 8.7.

**Base:** All selected households

**Value set:** 1:31

**Value type:** numeric

**M8708** Module 8.6, 8.7: stop month

**Description:** Month of the stop date for data collection for Module 8.6, 8.7.

**Base:** All selected households

**Value set:** 1:12

**Value type:** numeric

**Y8708** Module 8.6, 8.7: stop year

**Description:** Year of the stop date for the data collection for Module 8.6, 8.7.

**Base:** All selected households

**Value set:** survey-specific

**Value type:** numeric

**V8709** Module 8: outcome

**Description:** Result code for Module 8. Code 4 (postponed/unavailable) is not considered a final result code and must be finalized before data collection in the cluster is completed.

**Base:** All completed households

**Value set:**

1 COMPLETED

4 POSTPONED

5 REFUSED

10 HOUSEHOLD MEMBER TOO ILL TO RESPOND/COGNITIVELY IMPAIRED

11 PARTIAL COMPLETE

96 OTHER

**Value type:** numeric

**V8710** Interviewer number for module

**Description:** Interviewer code for the Module 8 series.

**Base:** All completed households

**Value set:** 10:909

**Value type:** numeric

# **Module** 8.1A (MOD\_81A): Food Consumption Past 7 Days

**V8101** Food item code

**Description:** List of food items asked about in Module 8.1A. No respondent data or answers are held in this variable; it is used to fill in question text for the subsequent questions, which are repeated for each food item.

**Value set:**

8001 Normal maize flour

8002 Fine maize flour

8003 Maize bran flour

8004 Maize grain

8005 Green maize

8006 Rice

8007 Finger millet

8008 Sorghum

8009 Pearl millet

8010 Wheat flour

8011 Bread

8012 Buns, scones

8013 Biscuits

8014 Spaghetti, macaroni, pasta

8015 Breakfast cereal

8016 Infant feeding cereals

8017 Other cereals (specify)

8018 Other cereals (specify)

8019 Other cereals (specify)

8020 Other cereals (specify)

8021 Cassava tubers

8022 Cassava flour

8023 White sweet potato

8024 Orange sweet potato

8025 Irish potato

8026 Potato crisps

8027 Plantain, cooking banana

8028 Cocoyam

8029 Other roots, tubers, or plantains (specify)

8030 Other roots, tubers, or plantains (specify)

8031 Other roots, tubers, or plantains (specify)

8032 Other roots, tubers, or plantains (specify)

8033 Other roots, tubers, or plantains (specify)

8034 Other roots, tubers, or plantains (specify)

8035 Other roots, tubers, or plantains (specify)

8036 Bean, white

8037 Bean, brown

8038 Pigeon pea

8039 Groundnut

8040 Groundnut flour

8041 Soyabean flour

8042 Ground bean

8043 Cowpea

8044 Macadamia nuts

8045 Other nuts or pulses (specify)

8046 Other nuts or pulses (specify)

8047 Other nuts or pulses (specify)

8048 Other nuts or pulses (specify)

8049 Other nuts or pulses (specify)

8050 Other nuts or pulses (specify)

8051 Onion, fresh or processed

8052 Cabbage, fresh or processed

8053 Chinese cabbage, fresh or processed

8054 Other cultivated green leafy vegetables, fresh or processed

8055 Gathered wild green leaves

8056 Tomato, fresh or processed

8057 Cucumber, fresh or processed

8058 Pumpkin, fresh or processed

8059 Okra, fresh or processed

8060 Mushroom, fresh or processed

8061 Other vegetables, fresh or processed (specify)

8062 Other vegetables, fresh or processed (specify)

8063 Other vegetables, fresh or processed (specify)

8064 Other vegetables, fresh or processed (specify)

8065 Other vegetables, fresh or processed (specify)

8066 Other vegetables, fresh or processed (specify)

8067 Other vegetables, fresh or processed (specify)

8068 Other vegetables, fresh or processed (specify)

8069 Eggs

8070 Dried fish

8071 Fresh fish

8072 Beef

8073 Goat

8074 Pork

8075 Mutton

8076 Chicken

8077 Other poultry - guinea fowl, doves, etc.

8078 Small animal - rabbit, mice, etc.

8079 Termites, other insects, for example caterpillar

8080 Tinned meat or fish

8081 Smoked fish

8082 Fish Soup/Sauce

8083 Other meat (specify)

8084 Other meat (specify)

8085 Other meat (specify)

8086 Other meat (specify)

8087 Other meat (specify)

8088 Other meat (specify)

8089 Mango

8090 Banana

8091 Citrus – orange, lemon etc.

8092 Pineapple

8093 Papaya

8094 Guava

8095 Avocado

8096 Wild fruit

8097 Apple

8098 Other fruits (specify)

8099 Other fruits (specify)

8100 Other fruits (specify)

8101 Other fruits (specify)

8102 Other fruits (specify)

8103 Other fruits (specify)

8104 Other fruits (specify)

8105 Other fruits (specify)

8106 Other fruits (specify)

8107 Other fruits (specify)

8108 Other fruits (specify)

8109 Fresh milk

8110 Powdered milk

8111 Margarine

8112 Butter

8113 Soured milk

8114 Yoghurt

8115 Cheese

8116 Infant feeding formula (for bottle)

8117 Other milk (specify)

8118 Other milk (specify)

8119 Other milk (specify)

8120 Other milk (specify)

8121 Other milk (specify)

8122 Other milk (specify)

8123 Other milk (specify)

8124 Sugar

8125 Sugar cane

8126 Cooking oil

8127 Other sugars, fats, or oils (specify)

8128 Other sugars, fats, or oils (specify)

8129 Other sugars, fats, or oils (specify)

8130 Other sugars, fats, or oils (specify)

8131 Other sugars, fats, or oils (specify)

8132 Other sugars, fats, or oils (specify)

8133 Other sugars, fats, or oils (specify)

8134 Tea

8135 Coffee

8136 Cocoa, Milo

8137 Squash (drink concentrate)

8138 Fruit juice

8139 Freezes (flavored ice)

8140 Soft drinks (Coca-Cola, Fanta, Sprite, etc.)

8141 Bottled water

8142 Bottled or canned beer (Carlsberg, etc.)

8143 Traditional beer

8144 Wine or commercial liquor

8145 Locally brewed liquor

8146 Other beverages (specify)

8147 Other beverages (specify)

8148 Other beverages (specify)

8149 Other beverages (specify)

8150 Other beverages (specify)

8151 Other beverages (specify)

8152 Salt

8153 Spices

8154 Yeast, baking powder, bicarbonate of soda

8155 Tomato sauce (bottle)

8156 Hot sauce

8157 Jam, jelly

8158 Sweets, candy, chocolates

8159 Honey

8160 Other spices, condiments, etc. (specify)

8161 Other spices, condiments, etc. (specify)

8162 Other spices, condiments, etc. (specify)

8163 Other spices, condiments, etc. (specify)

8164 Other spices, condiments, etc. (specify)

8165 Other spices, condiments, etc. (specify)

8166 Other spices, condiments, etc. (specify)

8167 Maize - boiled or roasted (vendor)

8168 Chips (vendor)

8169 Cassava - boiled (vendor)

8170 Eggs - boiled (vendor)

8171 Chicken (vendor)

8172 Meat (vendor)

8173 Fish (vendor)

8174 Doughnut (vendor)

8175 Samosa (vendor)

8176 Meal eaten at restaurant

8177 Other cooked foods from vendors (specify)

8178 Other cooked foods from vendors (specify)

8179 Other cooked foods from vendors (specify)

8180 Other cooked foods from vendors (specify)

8181 Other cooked foods from vendors (specify)

8182 Other cooked foods from vendors (specify)

8183 Other cooked foods from vendors (specify)

8184 Other cooked foods from vendors (specify)

8185 Other cooked foods from vendors (specify)

8186 Other cooked foods from vendors (specify)

**Value type:** numeric

**V8102** Ate item past 7 days

**Description:** Whether anyone in the household ate any of the food items.

**Question text:** Over the past one week (7 days), did you or others in your household eat any [FOOD ITEM]?

**Base:** All completed households

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V8103A** Amount eaten past 7 days (number)

**Description:** For households in which anyone ate some of the food item, the amount eaten in the past 7 days. This variable holds the number value of the amount.

**Question text:** Earlier, you told me you or other household members ate   
[FOOD ITEM] in the past week. How much in total did your household eat in the past week (7 days)?

**Base:** All completed households that consumed [FOOD ITEM] (V8102[FOOD ITEM] = 1)

**Value set:**

1.00:50000.00

99998.00 DON’T KNOW

**Value type:** numeric

**V8103B** Amount eaten past 7 days (unit)

**Description:** For households in which anyone ate some of the food item, the amount eaten in the past 7 days. This variable holds the unit of the number amount.

**Question text:** How much in total did your household eat in the past week (7 days)?

**Base:** All completed households that consumed [FOOD ITEM] (V8102[FOOD ITEM] = 1)

**Value set:**

1 KILOGRAMME

2 50 KG. BAG

3 90 KG. BAG

4 PAIL (SMALL)

5 PAIL (LARGE)

6 NO.10 PLATE

7 NO.12 PLATE

8 BUNCH

9 PIECE

10 HEAP

11 BALE

12 BASKET (DENGU) SHELLED

13 BASKET, UNSHELLED

14 OX-CART, UNSHELLED

15 LITRE

16 CUP

17 TIN

18 GRAM

19 MILLITRE

20 TEASPOON

21 BASIN

22 SACHET/TUBE

23 TOTAL

96 OTHER

**Value type:** numeric

**V8104A** Amount eaten that was purchased past 7 days (number)

**Description:** For households in which anyone ate some of the food item, the amount purchased and eaten in the past 7 days. This variable holds the number value of the amount.

**Question text:** How much of what you ate came from purchases?

**Base:** All completed households that consumed [FOOD ITEM] (V8102[FOOD ITEM] = 1)

**Value set:**

1.00:50000.00

99998.00 DON’T KNOW

**Value type:** numeric

**V8104B** Amount eaten that was purchased past 7 days (unit)

**Description:** For households in which anyone ate some of the food item, the amount purchased and eaten in the past 7 days. This variable holds the unit number amount.

**Question text:** How much of what you ate came from purchases?

**Base:** All completed households that consumed [FOOD ITEM] (V8104A[FOOD ITEM] > 0)

**Value set:**

1 KILOGRAMME

2 50 KG. BAG

3 90 KG. BAG

4 PAIL (SMALL)

5 PAIL (LARGE)

6 NO.10 PLATE

7 NO.12 PLATE

8 BUNCH

9 PIECE

10 HEAP

11 BALE

12 BASKET (DENGU) SHELLED

13 BASKET, UNSHELLED

14 OX-CART, UNSHELLED

15 LITRE

16 CUP

17 TIN

18 GRAM

19 MILLITRE

20 TEASPOON

21 BASIN

22 SACHET/TUBE

23 TOTAL

96 OTHER

**Value type:** numeric

**V8105** Amount spent on what was eaten past 7 days

**Description:** For households in which anyone ate some of the food item, the amount spent on what was eaten in the past 7 days.

**Question text:** How much did you spend on what was eaten in the past week (7 days)? If your family ate part, but not all, of something you purchased, estimate what you spent only on the part that was consumed.

**Base:** All completed households that consumed [FOOD ITEM] from purchases (V8104A[FOOD ITEM] > 0)

**Value set:**

1:9999900

999999998 DON’T KNOW

**Value type:** numeric

**V8106A** Amount eaten that was produced past 7 days (number)

**Description:** For households in which anyone ate some of the food item, the amount produced that was eaten in the past 7 days. This variable holds the number value of the amount.

**Question text:** How much of what you ate came from your household’s own production?

**Base:** All completed households that consumed [FOOD ITEM], not all from purchases (V8104[FOOD ITEM] < V8103[FOOD ITEM])

**Value set:**

1.00:50000.00

99998.00 DON’T KNOW

**Value type:** numeric

**V8106B** Amount eaten that was produced past 7 days (unit)

**Description:** For households in which anyone ate some of the food item, the amount produced that was eaten in the past 7 days. This variable holds the unit of the number amount.

**Question text:** How much of what you ate came from your household’s own production?

**Base:** All completed households that consumed [FOOD ITEM], not all from purchases (V8104[FOOD ITEM] < V8103[FOOD ITEM])

**Value set:**

1 KILOGRAMME

2 50 KG. BAG

3 90 KG. BAG

4 PAIL (SMALL)

5 PAIL (LARGE)

6 NO.10 PLATE

7 NO.12 PLATE

8 BUNCH

9 PIECE

10 HEAP

11 BALE

12 BASKET (DENGU) SHELLED

13 BASKET, UNSHELLED

14 OX-CART, UNSHELLED

15 LITRE

16 CUP

17 TIN

18 GRAM

19 MILLITRE

20 TEASPOON

21 BASIN

22 SACHET/TUBE

23 TOTAL

96 OTHER

**Value type:** numeric

**V8106C** Value of amount eaten that was produced past 7

**Description:** For households in which anyone ate some of the food item, the value of the amount produced that was eaten in the past 7 days.

**Question text:** Please tell me how much it would have cost to buy that much   
[FOOD ITEM] if you had to purchase it in the market today.

**Base:** All completed households that consumed [FOOD ITEM], not all from purchases (V8106A[FOOD ITEM] > 0)

**Value set:**

1:9999900

999999998 DON’T KNOW

**Value type:** numeric

**V8107A** Amount from gifts/other sources (number)

**Description:** For households in which anyone ate some of the food item, the amount from other sources that was eaten in the past 7 days. This variable holds the number value of the amount.

**Question text:** How much came from gifts and other sources?

**Base:** All completed households that consumed [FOOD ITEM], not all from purchases or own production (V8104[FOOD ITEM] + V8106[FOOD ITEM] < V8103[FOOD ITEM])

**Value set:**

1.00:50000.00

99998.00 DON’T KNOW

**Value type:** numeric

**V8107B** Amount from gifts/other sources (unit)

**Description:** For households in which anyone ate some of the food item, the amount from other sources that was eaten in the past 7 days. This variable holds the unit of the number value amount.

**Question text:** How much came from gifts and other sources?

**Base:** All completed households that consumed [FOOD ITEM], not all from purchases or own production (V8104[FOOD ITEM] + V8106[FOOD ITEM] < V8103[FOOD ITEM])

**Value set:**

1 KILOGRAMME

2 50 KG. BAG

3 90 KG. BAG

4 PAIL (SMALL)

5 PAIL (LARGE)

6 NO.10 PLATE

7 NO.12 PLATE

8 BUNCH

9 PIECE

10 HEAP

11 BALE

12 BASKET (DENGU) SHELLED

13 BASKET, UNSHELLED

14 OX-CART, UNSHELLED

15 LITRE

16 CUP

17 TIN

18 GRAM

19 MILLITRE

20 TEASPOON

21 BASIN

22 SACHET/TUBE

23 TOTAL

96 OTHER

**Value type:** numeric

**V8107C** Value of amount from gifts/other sources

**Description:** For households in which anyone ate some of the food item, the value of the amount from other sources that was eaten in the past 7 days.

**Question text:** Please tell me how much it would have cost to buy that much   
[FOOD ITEM] if you had to purchase it in the market today.

**Base:** All completed households that consumed [FOOD ITEM] from gifts or other sources (V8107A > 0)

**Value set:**

1:9999900

999999998 DON’T KNOW

**Value type:** numeric

# Module 8.1B (MOD\_81B): Food Consumption Past 7 Days (Cont...)

**V8108** Non-members ate meals in household past 7 days

**Description:** Whether any person other than the members of the household ate meals in the household in the past 7 days.

**Question text:** Over the past one week (7 days), did any people who are not members of your household eat any meals in your household?

**Base:** All completed households

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V8109** Number of non-members who at meals in household in the past 7 days

**Description:** If any other person than the members of the household ate meals, the number of people who ate any meals in the household in the past 7 days.

**Question text:** Over the past one week (7 days), how many people who are not members of your household ate meals in your household?

**Base:** All completed households with non-household members who ate meals in past 7 days (V8108 = 1)

**Value set:**

0:15

**Value type:** numeric

98 DON’T KNOW

**V8110** Days when meals shared with non-members past 7 days

**Description:** If any person other than the members of the household ate meals, the number of days when a non-member ate any meals in the household in the past 7 days.

**Question text:** Over the past one week (7 days), what was the total number of days in which any meal was shared with people who are not members of your household?

**Base:** All completed households with non-household members who ate meals in past 7 days (V8108 = 1)

**Value set:**

1:7

98 DON’T KNOW

**Value type:** numeric

**V8111** Number of meals shared with non-members past 7

**Description:** If any person other than the members of the household ate meals, the number of meals when any non-members ate in the past 7 days.

**Question text:** Over the past one week (7 days), what was the total number of meals that were shared with people who are not members of your household?

**Base:** All completed households with non-household members who ate meals in past 7 days (V8108 = 1)

**Value set:**

1:21

98 DON’T KNOW

**Value type:** numeric

**V8112** Own pet

**Description:** Whether the household owns any pets.

**Question text:** Does your household own a pet such as a dog or a cat?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V8112A** Purchased pet food past 7 days

**Description:** In households that own a pet, whether the household purchased any pet food in the past 7 days.

**Question text:** Over the past one week (7 days), did your household purchase pet food for family pets like a cat or a dog?

**Base:** All completed households that own a pet (V8112 = 1)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V8113** Amount spent on pet food past 7 days

**Description:** In households that spent money on pet food in the past 7 days, the amount of money spent on pet food in the past 7 days.

**Question text:** How much did you spend on pet food last week?

**Base:** All completed households that purchased pet food (V8112A = 1)

**Value set:**

0:9999900

999999998 DON’T KNOW

**Value type:** numeric

**V8114** Other expenditures on pets past 7 days

**Description:** In households that own pets, whether the household has any other cost related to pets.

**Question text:** Over the past one week (7 days), were there any other expenditures on pets?

**Base:** All completed households that own a pet (87112 = 1)

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V8115** Amount spent on other pet expenditures past 7 days

**Description:** In households that own pets, the amount of money spent on other costs for pets in the past 7 days.

**Question text:** How much did you spend on other purchases for pets over the past one week (7 days)?

**Base:** All completed households that spent money other than food for a pet (V8114 = 1)

**Value set:**

0:9999900

999999998 DON’T KNOW

**Value type:** numeric

# Module 8.2 (MOD\_82): Non-Food Expenditures Past 7 Days

**V8201** Item code

**Description:** List of items asked about in Module 8.2. No respondent data or answers are held in this variable; it is used to fill in question text for the subsequent questions, which are repeated for each item.

**Value set:**

8187 Charcoal

8188 Paraffin or kerosene

8189 Cigarettes or other tobacco

8190 Candles

8191 Matches

8192 Newspapers or magazines

8193 Public transport - bicycle taxi (include any used for school under education costs; include any used for obtaining health care under health expenditures)

8194 Public transport - bus/minibus (include any used for school under education costs; include any used for obtaining health care under health expenditures)

8195 Public transport - other (truck, oxcart, etc.) (include any used for school under education costs; include any used for obtaining health care under health expenditures)

8196 Other (specify)

8197 Other (specify)

8198 Other (specify)

8199 Other (specify)

8200 Other (specify)

8201 Other (specify)

8202 Other (specify)

8203 Other (specify)

8204 Other (specify)

8205 Other (specify)

8206 Other (specify)

**Value type:** numeric

**V8202** Purchased item past 7 days

**Description:** Whether anyone in the household purchased or paid for each item in the past 7 days.

**Question text:** Now I would like to ask you about items that you or members of your household may have bought in the past week. Over the past one week (7 days), did you household purchase or pay for any [ITEM]?

**Base:** All completed households

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V8203** Amount paid for item past 7 days

**Description:** For households that purchased any items, the amount paid in total for the items.

**Question text:** How much did you pay in total?

**Base:** All completed households that paid for [ITEM] (V8202[ITEM] = 1)

**Value set:** 1:9999900

**Value type:** numeric

# Module 8.3 (MOD\_83): Non-Food Expenditures Past 1 Month

**V8301** Item code

**Description:** List of items asked about in Module 8.3. No respondent data or answers are held in this variable; it is used to fill in question text for the subsequent questions, which are repeated for each item.

**Value set:**

8207 Milling fees for grains (not including cost of grain itself)

8208 Bar soap (body soap or clothes soap)

8209 Clothes soap (powder, paste)

8210 Toothpaste, toothbrush

8211 Toilet paper

8212 Glycerine, Vaseline, skin creams

8213 Other personal products (shampoo, razor blades, cosmetics, hair products, etc.)

8214 Light bulbs

8215 Postage stamps or other postal fees

8216 Donation - to church, charity, beggar, etc.

8217 Petrol or diesel

8218 Motor vehicle service, repair, or parts

8219 Bicycle service, repair, or parts

8220 Wages paid to servants

8221 Repairs to household and personal items (radios, watches, etc., excluding battery purchases)

8222 Utilities: natural gas

8223 Utilities: electricity

8224 Utilities: water

8225 Batteries

8226 Recharging of batteries, cell phones, etc.

8227 Air time for cell phones

8228 Except for hospitalization, which we will ask you about later, did you pay for anything related to illnesses and injuries, including medicine, tests, consultation, and out-patient fees

8229 Medical care not related to an illness - preventive health care, pre-natal visits, check-ups, etc.

8230 Non-prescription medicines, for example, Panadol, Fansidar, cough syrup, etc.

8231 Transportation used to access health-related services or care that did not require an overnight stay in a health facility or at a traditional healer’s dwelling

8232 Other health expenditures (specify)

8233 Other health expenditures (specify)

8234 Other health expenditures (specify)

8235 Other health expenditures (specify)

8236 Other health expenditures (specify)

**Value type:** numeric

**V8302** Purchased item past 1 month

**Description:** Whether anyone in the household purchased any of the items in the past 1 month.

**Question text:** Now I would like to ask you about items that you or members of your household may have bought in the past month. Over the past 1 month, did your household purchase or pay for any [ITEM]?

**Base:** All completed households

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V8303** Amount paid for item past 1 month

**Description:** For households that purchased each of the items in the past 1 month, the amount paid in total for the items.

**Question text:** How much did you pay in total?

**Base:** All completed households that paid for [ITEM] (V8302[ITEM] = 1)

**Value set:** 1:9999900

**Value type:** numeric

# Module 8.4 (MOD\_84): Non-Food Expenditures Past 3 Months

**V8401** Item code

**Description:** List of items asked about in Module 8.4. No respondent data or answers are held in this variable; it is used to fill in question text for the subsequent questions, which are repeated for each item.

**Value set:**

8237 Infant clothing

8238 Baby nappies or diapers

8239 Boy’s trousers

8240 Boy’s shirts

8241 Boy’s jackets

8242 Boy’s undergarments

8243 Boy’s other clothing

8244 Men’s trousers

8245 Men’s shirts

8246 Men’s jackets

8247 Men’s undergarments

8248 Men’s other clothing

8249 Girl’s blouse/shirt

8250 Girl’s dress/skirt

8251 Girl’s undergarments

8252 Girl’s other clothing

8253 Women’s blouse/shirt

8254 Cloth wrap

8255 Women’s dress/skirt

8256 Women’s undergarments

8257 Women’s other clothing

8258 Boys shoes

8259 Men’s shoes

8260 Girl’s shoes

8261 Women’s shoes

8262 Cloth, thread, other sewing material

8263 Laundry, dry cleaning, tailoring fees

8264 Bowls, glassware, plates, silverware, etc.

8265 Cooking utensils (cookpots, stirring spoons and whisks, etc.)

8266 Cleaning utensils (brooms, brushes, etc.)

8267 Torch or flashlight

8268 Umbrella

8269 Paraffin lamp (hurricane or pressure)

8270 Stationery items (excluding school related)

8271 Books (excluding school related)

8272 Music or video cassette or CD/DVD

8273 Tickets for sports / entertainment events

8274 House decorations

8275 Night’s lodging in rest house or hotel (excluding school or health related)

8276 Other (specify)

8277 Other (specify)

8278 Other (specify)

8279 Other (specify)

8280 Other (specify)

8281 Other (specify)

8282 Other (specify)

8283 Other (specify)

8284 Other (specify)

8285 Other (specify)

8286 Other (specify)

**Value type:** numeric

**V8402** Purchased item past 3 months

**Description:** Whether anyone in the household purchased each of the items in the past 3 months.

**Question text:** Now I would like to ask you about items that you or members of your household may have bought over the past three months. Over the past three months, did your household purchase or pay for any [ITEM]?

**Base:** All completed households

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V8403** Amount paid for item past 3 months

**Description:** For households that purchased each of the items in the past 3 months, the amount paid in total for the items.

**Question text:** How much did you pay in total?

**Base:** All completed households that paid for [ITEM] (V8402[ITEM] = 1)

**Value set:** 1:9999900

**Value type:** numeric

# Module 8.5A (MOD\_85): Non-Food Expenditures Past 12 Months

**V8501** Item code

**Description:** List of items asked about in Module 7.5A. No respondent data or answers are held in this variable; it is used to fill in question text for the subsequent questions, which are repeated for each item.

**Value set:**

8287 Carpet, rugs, drapes, curtains

8288 Linen - towels, sheets, blankets

8289 Mat - for sleeping or drying harvested crops

8290 Mosquito net

8291 Mattress

8292 Sports & hobby equipment, musical instruments, toys

8293 Film, film processing, camera

8294 Cement

8295 Bricks

8296 Construction timber

8297 Council rates

8298 Insurance - health, auto, home, life

8299 Fines or legal fees

8300 Bride wealth costs

8301 Marriage ceremony costs

8302 Funeral costs, household members

8303 Funeral costs, non-household members (relatives, neighbors/friends)

8304 Hospitalizations or overnight stay in any hospital – total cost for treat

8305 Travel to and from the medical facility for any overnight stay(s) or hospitalization

8306 Food costs during overnight stay(s) at the medical facility or hospitalization

8307 Over-night(s) stay at a traditional healer’s or faith healer’s dwelling - total costs for treatment

8308 Travel costs to the traditional healer’s or faith healer’s dwelling for overnight stay(s)

8309 Food costs during overnight stay(s) at the traditional or faith healer’s dwelling

8310 Tuition, including extra tuition fees

8311 Expenditures on after school programs and tutoring

8312 School books and stationery

8313 School uniform

8314 Boarding fees

8315 Contribution to school building maintenance

8316 Transport to and from school

8317 Parent/Teacher Association and other related fees

8318 Other

**Value type:** numeric

**V8502** Purchased item past 12 months

**Description:** Whether anyone in the household purchased each of the items in the past 12 months.

**Question text:** Now I would like to ask you about items that you or members of your household may have bought over the past 1 year. Over the past 1 year (12 months), did your household purchase or pay for any [ITEM]?

**Base:** All completed households

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V8503** Amount paid for item past 12 months

**Description:** For households that purchased each of the items in the past 12 months, the amount paid in total for the items.

**Question text:** How much did you pay in total?

**Base:** All completed households that paid for [ITEM] (V8502[ITEM] = 1)

**Value set:** 1:9999900

**Value type:** numeric

# Module 8.5B (MOD\_85B): Non-Food Items

**V8504** Item code

**Description:** List of items asked about in Module 8.5B. No respondent data or answers are held in this variable; it is used to fill in question text for the subsequent questions, which are repeated for each item.

**Value set:**

8319 Woodpoles, bamboo

8320 Grass for thatching roof or other use

8321 Other

**Value type:** numeric

**V8505** Gather or pay for item past 12 months

**Description:** Whether the household gathered or paid for any of the items in the past 12 months.

**Question text:** Over the past one year (12 months), did your household gather, or did your household pay for any [ITEM]?

**Base:** All completed households

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V8505A** Quantity used (number)

**Description:** For households that gathered or paid for the items, the amount of the item that was used. This variable holds the number value of the amount used.

**Question text:** What was the estimated total quantity of [ITEM] used?

**Base:** All completed households that gathered or paid for [ITEM] (V8505[ITEM] = 1)

**Value set:** 1:99990

**Value type:** numeric

**V8505B** Quantity used (unit)

**Description:** For households that gathered or paid for the items, the amount of the item that was used. This variable holds the unit of the number used.

**Question text:** What was the estimated total quantity of [ITEM] used?

**Base:** All completed households that gathered or paid for [ITEM] (V8505[ITEM] = 1)

**Value set:**

1 KILOGRAMME

2 50 KG. BAG

3 90 KG. BAG

4 PAIL (SMALL)

5 PAIL (LARGE)

6 NO.10 PLATE

7 NO.12 PLATE

8 BUNCH

9 PIECE

10 HEAP

11 BALE

12 BASKET (DENGU) SHELLED

13 BASKET, UNSHELLED

14 OX-CART, UNSHELLED

15 LITRE

16 CUP

17 TIN

18 GRAM

19 MILLITRE

20 TEASPOON

21 BASIN

22 SACHET/TUBE

23 TOTAL

96 OTHER

**Value type:** numeric

**V8506** Gather or paid for item

**Description:** Whether the household paid for the items or gathered the items.

**Question text:** Did your household gather the [ITEM], or did your household pay for the [ITEM]?

**Base:** All completed households that gathered or paid for [ITEM] (V8505[ITEM] = 1)

**Value set:**

1 GATHERED

2 PAID FOR

**Value type:** numeric

**V8507** Value of items gathered

**Description:** For households that gathered any items, the value of the items gathered in local currency.

**Question text:** What was the total estimated value of [ITEM] that you used?

**Base:** All completed households that gathered [ITEM] (V8506[ITEM] = 1)

**Value set:** 1:9999900

**Value type:** numeric

**V8508** Value of items purchased

**Description:** For households that purchased any items, the value of the items in local currency.

**Question text:** How much did you spend in total on [ITEM]?

**Base:** All completed households that were paid for [ITEM] (V8506[ITEM] = 2)

**Value set:** 1:9999900

**Value type:** numeric

# Module 8.6 (MOD\_86): Housing Expenditures

**V8601** Ownership/renting status

**Description:** Whether the house of the respondent is owned, purchased, employer provided, free, rented, or the respondent does not know the status of the household.

**Question text:** Do you own this house, are you purchasing this house, is this house provided to you by an employer, are you living in this house for free, or do you rent this house?

**Base:** All completed households

**Value set:**

1 OWN

2 PURCHASED

3 EMPLOYER PROVIDES

4 FREE

5 RENTED

8 DON’T KNOW

**Value type:** numeric

**V8602** Value of dwelling - selling

**Description:** For households that own the houses in which they live, the value of the dwelling if sold on that day of the interview, in local currency. Respondents may not know the value and can respond with “don’t know.”

**Question text:** If you sold this dwelling today, how much would you receive for it?

**Base:** All completed households that own their houses (V8601 in 1,2,8)

**Value set:**

1:999999000

999999998 DON’T KNOW

**Value type:** numeric

**V8603** Age of house in years

**Description:** For households that own the houses in which they live, the age of the house in years. The respondent may not know the age of the house and can respond with “don’t know.”

**Question text:** How old is this house, in years?

**Base:** All completed households that own their homes (V8601 in 1,2,8)

**Value set:**

0:200

998 DON’T KNOW

**Value type:** numeric

**V8604A** Value of dwelling - renting (number)

**Description:** For households that live in houses that are free to the respondent or employer provided, the amount of rent that the respondent could get if the dwelling were rented out on the day of interview. This variable holds the number value of the amount.

**Question text:** If you rented this dwelling out today, how much rent would you receive?

**Base:** All completed households whose houses are free or employer-provided (V8601 in 3,4)

**Value set:**

1:999999000

999999998 DON’T KNOW

**Value type:** numeric

**V8604B** Value of dwelling - renting (unit)

**Description:** For households that live in houses that are free to the respondent or employer provided, the amount of rent that the respondent could get if the dwelling were rented out on the day of interview. This variable holds the unit of the value, which depends on the frequency of the rent payments that the respondent provided.

**Question text:** If you rented this dwelling out today, how much rent would you receive?

**Base:** All completed households whose houses are free or employer-provided (V8601 in 3,4)

**Value set:**

1 DAY

2 WEEK

3 MONTH

4 YEAR

8 DON’T KNOW

**Value type:** numeric

**V8605A** Amount of rent payments (number)

**Description:** For households that rent their houses, the amount of rent that the respondent pays. This variable holds the number value of the amount.

**Question text:** How much do you pay to rent this dwelling?

**Base:** All completed households that are rented (V8601 = 5)

**Value set:**

1:999999000

999999998 DON’T KNOW

**Value type:** numeric

**V8605B** Amount of rent payments (unit)

**Description:** For households that rent their houses, the amount of rent that the respondent pays. This variable holds the unit of the value, which depends on the frequency of the rent payments that the respondent provided.

**Question text:** How much do you pay to rent this dwelling?

**Base:** All completed households that are rented (V8601 = 5)

**Value set:**

1 DAY

2 WEEK

3 MONTH

4 YEAR

8 DON’T KNOW

**Value type:** numeric

**V8606** Pay mortgage

**Description:** For households that own the houses in which they live, whether the respondent pays a mortgage on the house.

**Question text:** Do you pay a mortgage on this house, that is, a regular payment towards purchasing the house?

**Base:** All completed households that own their homes (V8601 in 1,2,8)

**Value set:**

1 YES

2 NO

**Value type:** numeric

**V8607** Frequency of mortgage payments

**Description:** For households that pay a mortgage, the frequency of payments.

**Question text:** How often do you make mortgage payments?

**Base:** All completed households that pay a mortgage on their home (V8606 = 1)

**Value set:**

1 ONCE A MONTH

2 ONCE EVERY 3 MONTHS

3 ONCE EVERY 6 MONTHS

4 ONCE A YEAR

6 OTHER (SPECIFY)

**Value type:** numeric

**V8608** Amount of mortgage payments

**Description:** For households that pay a mortgage, the amount paid in local currency for each mortgage payment.

**Question text:** How much do you pay each time you make a payment on your mortgage?

**Base:** All completed households that pay a mortgage on their home (V8606 = 1)

**Value set:**

1:999999000

999999996 AMOUNT IS VARIABLE

999999998 DON’T KNOW

**Value type:** numeric

**V8609** Amount spent on house maintenance in past month

**Description:** Amount of money the household spent on repairs and maintenance to the house, beyond rent or other payments.

**Question text:** In the past one month, how much did you spend on repairs and maintenance to this house?

**Base:** All completed households

**Value set:**

0:999999000

999999998 DON’T KNOW

**Value type:** numeric

# Module 8.7 (MOD\_87): Durable Goods Expenditures

**V8701** Item code

**Description:** List of items asked about in Module 8.7. No respondent data or answers are held in this variable; it is used to fill in question text for the subsequent questions, which are repeated for each item.

**Value set:**

8322 bed, table, chair

8323 fan

8324 air conditioner

8325 radio

8326 tape or CD/DVD player/VCR

8327 television

8328 cell phone

8329 sewing machine

8330 kerosene or paraffin stove

8331 electric stove or hot plate

8332 gas stove

8333 refrigerator

8334 washing machine

8335 bicycle

8336 boat

8337 motorcycle/scooter

8338 car

8339 mini-bus

8340 lorry

8341 beer-brewing drum

8342 upholstered chair, sofa set

8343 coffee table (for sitting room)

8344 cupboard, drawers, bureau

8345 lantern (paraffin)

8346 desk

8347 clock

8348 iron (for pressing clothes)

8349 computer equipment & accessories

8350 satellite dish

8351 solar panel

8352 generator

**Value type:** numeric

**V8702** Household owns item

**Description:** Whether the household or anyone in the household owns any of the items.

**Question text:** Does your household own a [ITEM]?

**Base:** All completed households

**Value set:**

1 YES

2 NO

8 DON’T KNOW

**Value type:** numeric

**V8703** Number of item owned

**Description:** If anyone in the household owns the item, the numbers of the item owned.

**Question text:** How many [ITEM]s do you own?

**Base:** All completed households that own [ITEM]s (V8702[ITEM] = 1)

**Value set:** 1:100

**Value type:** numeric

**V8704** Age of item(s) in years

**Description:** For households that own any of the items, the average age of the items.

**Question text:** What is the age of these [ITEM]s?

**Base:** All completed households that own [ITEM]s (V8702[ITEM] = 1)

**Value set:** 0:200

**Value type:** numeric

**V8705** Current value of item(s)

**Description:** For households that own any of the items, the average amount the respondent would receive if the items were sold on the day of interview.

**Question text:** If you wanted to sell these [ITEM]s today, how much would you receive?

**Base:** All completed households that own [ITEM]s (V8702[ITEM] = 1)

**Value set:** 1:999999000

**Value type:** numeric

**V8706** Amount paid for item(s) when purchased

**Description:** Amount paid for the items in total when purchased.

**Question text:** How much did you pay for all these [ITEM]s when you purchased it?

**Base:** All completed households that own [ITEM]s (V8702[ITEM] = 1)

**Value set:** 1:999999000 Amount

**Value type:** numeric