50x2030

INTERVIEWER MANUAL TEMPLATE

ILP-AG Post-Harvest Questionnaire

(ILP-PH)

FEBRUARY 2025

This Example Manual corresponds to the ILP-PH questionnaire template (Version 5).

Users are reminded that the content of this manual must be modified in sync with any modification to the questionnaire (questions, numbering) and local context (key definitions, protocols, etc.)

Throughout the document notes for users drafting the final survey manual are indicated in curly brackets – {like this}. All such notes should be addressed and removed from the manual before it is made final and shared with field teams for survey implementation.

Introductory or generic sections that are identical across the enumerator manuals for other relevant instruments are highlighted in gray to facilitate updating.

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# Introduction

The Agricultural Income, Labor, and Productivity Questionnaire (ILP-AG) is part of the 50x2030 Initiative to Close the Agricultural data Gap (50x2030 Initiative). It is expected to be administered every three years to agricultural households and to agricultural holdings in the non-household sector. Though it is called an agricultural survey, in addition to collecting information on farming of crops and trees, it will also collect information on raising livestock, maintaining fisheries, and forest foraging activities.

The 50x2030 Initiative survey system is a modular, integrated program, whereby key agricultural data, namely production, is collected on an annual basis, while more in-depth agricultural data is collected every three years with an eye for *understanding*, not only monitoring, agricultural systems. Household data is collected alongside agricultural data, which are used together to determine the proportion of people living in poverty, to research correlates of poverty as well as linkages between household welfare and agricultural development, and to shed light on relevant policies aimed at reducing poverty and sustaining poverty gains over time.

The ILP-AG is divided into two questionnaires – Post-Planting and Post-Harvest, to be administered at different time periods during the agricultural season. Both modules collect data on major components of agriculture-related production: crop, livestock, aquaculture, fishery, and forestry production.

{To be revised and completed on a survey-by-survey basis}

# Description of the Survey

The ILP-AG questionnaire is administered every three years, complementing the Core Agriculture (CORE-AG) questionnaire which is administered annually. The CORE-AG and the ILP-AG both have a set of questions focused mainly on production. Beyond this, the ILP-AG covers related topics in greater depth, such as costs for agricultural production, agricultural income, labor inputs, land tenure, and gender dynamics in agriculture.

This questionnaire is administered alongside the Non-Farm Income and Living Standards Household Questionnaire (ILS-HH), to help understand the linkages between agricultural productivity and income and aspects of welfare and livelihoods.

Like the CORE-AG, the ILP-AG questionnaire, is organized into two modules, one to be administered post-planting, and one post-harvest. Each module is divided into sections. This manual covers the post-harvest questionnaire of the ILP survey (ILP-AG PH), to be administered at the end of the agricultural year – after the harvest of the main agricultural season. **Table 1** summarizes the topics covered by each section.

Table 1. Overview of ILP-AG PH Sections

|  |  |  |  |
| --- | --- | --- | --- |
| **Topics and Questionnaire Sections** | **Level of Data Collection** | **Reference period** | **ILP-AG vs. CORE-AG coverage** |
| *Introduction* |  |  |  |
| 0A Interview Cover | Household | Date of Interview | Identical |
| *Temporary Crop Production and Destination* |  |  |  |
| 1A. Temporary (Non-Vegetable) Crop Production | Parcel-Plot-Crop | Agricultural season | Identical |
| 1V. Vegetable Crop Production | Parcel-Plot-Crop | Agricultural season | Identical |
| 1B. Temporary Crop Destination | Crop | Agricultural season | Identical |
| *Permanent Crop Production and Destination* |  |  |  |
| 2A. Permanent Crop Production | Parcel -Crop | Agricultural year | Identical |
| 2B. Permanent Crop Destination | Crop | Agricultural year | Identical |
| 2C. Processing Crop Production | Processed product | Past 12 months | Only in ILP-AG |
| Agricultural Inputs |  |  |  |
| 3D. Seed & Plant Acquisition | Individual | Agricultural season | Only in ILP-AG |
| 3B. Labor Input (Hired & Exchange) | Worker Category | Agricultural season | Only in ILP-AG |
| 3C. Input Use and Acquisition | Household | Agricultural season | Expanded |
| 3A. Labor Input by Household Members | Crop | Agricultural year | Only in ILP-AG |
| *Livestock production* |  |  |  |
| 4A. Livestock – In Stock | Livestock Name | Last 12 months | Extended |
| 4B. Livestock – Change in Stock (Large/Medium Animals) | Livestock Name | Past 12 months | Identical |
| 4C. Livestock – Change in Stock (Poultry) | Livestock Name | Past 3 months | Identical |
| 4D. Livestock – Breeding & Input Costs | Livestock Group | Past 12 months | Only in ILP-AG |
| 4E. Livestock – Labor | Worker Category | Past 3 months | Only in ILP-AG |
| 4F. Livestock – Animal Health | Livestock Group | Past 12 months | Only in ILP-AG |
| 4G. Livestock – Milk Production | Livestock Name | Past 12 months | Identical |
| 4H. Livestock – Egg Production | Livestock Name | Past 12 months, Past 3 months | Identical |
| 4I. Livestock – Other Livestock Products | Product Type | Past 12 months | Identical |
| *Aquaculture, Fishery, and Forestry* |  |  |  |
| 5A. Aquaculture Production | Item/Product | Past 12 months | Identical |
| 5B. Aquaculture Labor | Worker Category | Past 12 months | Only in ILP-AG |
| 6A. Fishing Production | Item/Product | Past 12 months | Identical |
| 5B. Fishing Labor | Worker Category | Past 12 months | Only in ILP-AG |
| 7A1. Forestry Production  7A2. Charcoal Production | Item/Product | Past 12 months | Identical |
| 7B. Forestry Labor | Worker Category | Past 12 months | Only in ILP-AG |
| *Other* |  |  |  |
| 8. Other costs incurred by the holding | Item | Agricultural season | Only in ILP-AG |
| 9. Subsidies, Loans, and Transfers | Household level | Agricultural year | Only in ILP-AG |
|  |  |  |  |
| 99. End Survey | Household Level | Date of Interview | Identical |

## The survey sample

The {name of survey/project} is being carried out by {name of organization} and is designed to be representative of the agricultural population. The total scope of the 50x2030 survey system includes agricultural households and agricultural holdings1, but this particular instrument is focused on agricultural households. That is, the information collected from the survey households will be used to estimate the characteristics of households with agricultural activity residing in {Country}. This is made possible by selecting sample households through the use of random selection procedures.

Our ability to use this survey to estimate characteristics for the population of {country} as a whole is dependent on a random selection of survey households from a list of all eligible households in each enumeration area (EA). Agricultural holdings in the non-household sector will be subject to a separate questionnaire, allowing for a full picture of the agricultural sector in {country}.

The total number of EAs selected for this survey is XXX, with XXXX households to be interviewed in all. For each EA, the field team will have a list of XX households. The list will indicate which households were visited during the Post Planting visits, which households were not contacted, and which households are potential replacements. Similar to the previous visit, households CANNOT be replaced without a valid reason. Always try to interview the original households by exhausting all your means to locate or convince the household to participate without jeopardizing the quality of the data (more on this in the following sections). This is especially true for households that completed interviews during the Post Planting visit.

{Revise and add information as appropriate for the specific survey.}

## Enumerator **Preparation**

This post-harvest (ILP-AG PH) manual is intended as a supplement to the post-planting (ILP-AG PP) training manual. The ILP-AG PP training manual includes additional survey guidance that all enumerators MUST know and follow, covering the following topics:

* Listing & household selection
* Team roles and enumerator responsibilities
* Administering the Questionnaire, including tips on conducting the interview, translation, reading and filling in the questionnaire, and common definitions used (including definitions of plots and parcels)

If you did not participate in the post-planting data collection or do not already have a copy of the post-planting training manual, ***be sure to ask your training supervisor for a copy of these chapters***.

{It is very strongly recommended that the chapters noted above, from the ILP-AG PP training manual, are reviewed for a refresher as part of the ILP-AG PH training. Survey management should ensure that every enumerator has a copy of these chapters for reference throughout the training and survey period.}

# Questionnaire Sections

This chapter will examine each section of the questionnaire in order to address possible problematic issues relating to each. These notes here should be your first reference as you encounter any problems in administering any sections or questions in the household questionnaire.

Most, but not all of the questions are explained in this manual. This includes questions where additional guidance or clarification are anticipated to ensure the questions and recorded responses are as intended for the purpose of this particular survey.Many of the questions throughout the questionnaire include instructions noted in capital letters, which are not repeated in this manual in the interest of brevity. You **MUST** be as familiar with those instructions as you are with the questions and the content of this manual.

Throughout this interview, you will refer to information provided during the post-planting period. As needed, there are prompts to help the respondent remember what had been reported.

## Section 0A. Interview Cover

This section is to ensure that the enumerator has the necessary information to approach the correct household. It also contains filter questions on the household’s participation in agricultural activities.

#### Respondent & Level of Reporting

The Respondent must be an adult household member – at least X years of age – and must have knowledge of the household and its agricultural activities. Ideally, the respondent will be the main person in charge of taking the economic and technical decisions related to the household’s agricultural activities.

#### Question by Question

**s0Aq01 – s0Aq04.** This information will be provided to you as part of the listing information, when you are assigned the household by your supervisor.

**s0Aq05. NAME OF HOUSEHOLD HEAD.** This will also be provided as part of your listing information. It will be important to confirm that this person is part of the household – to ensure that you have located the correct household. Confirm if they are indeed the correct person to be designated household head; if there are any corrections to be made, do so here.

**s0Aq06 & s0Aq07.** Enter the unique enumerator code assigned to you and your name. (Not required in Survey Solutions or other CAPI software)

**s0Aq08 – s0Aq11** are repeated up to 3 times, depending on how many attempts are needed to reach an appropriate respondent and complete the interview. Less than 3 attempts are valid only in the following cases:

* An appropriate respondent is reached and the interview is successfully completed on the first or second attempt.
* The outcome of the first or second attempt renders it impossible or highly unlikely to be able to reach an appropriate person and/or to complete the interview. All such cases MUST be discussed and cleared by supervisor before recording as a failed interview.

**s0Aq08(a,b,c). INTERVIEW DATE AND TIME.** It is important to record all attempted visits to the household as well as to mark the date and time of each visit (independent of the outcome). This will allow to calculate the interview duration and facilitate the fieldwork monitoring and data cleaning processes.

After recording the date and time for this visit, seek a competent respondent and read him/her the informed consent: introduce yourself, the institution you are running this survey for, assure the respondent that all collected data will be subject to the strictest confidentiality rules {add any element deemed necessary to the informed consent as per your country standards, e.g. interview duration, contact details, etc.}.

**s0Aq09(a,b,c). Are you able to answer questions concerning the agricultural activities of the farm? (e.g., area planted, production, input use, etc.)** Whenever the answer is No, before recording that answer, you must work with the household member you are taking to and try to figure out which other person is best equipped to answer the questions.

**S0Aq10(a,b,c). Is it possible to start the interview**? Whenever the answer to S0Aq09 is Yes, you will ask if they are ready to start the interview.

**s0Aq11(a,b,c). Reason why the household cannot be interviewed.** Answers only if Q9 or Q10 are No. In such cases, code the appropriate reason here and then end the interview.

**S0Aq12. Interview location.** Indicate where the interview is taking place by choosing in the displayed list. Whenever possible, this should be at the household dwelling.

**S0Aq13. GPS coordinates** will be collected as part of the interview. In this section, coordinates are recorded from the interview location, as indicated in question S0Aq12. Effort should be made to conduct the interview and collect GPS coordinates at the household dwelling, wherever possible. In this case, coordinates should be collected standing immediately outside the dwelling entrance to allow for better signal. {Include instructions based on the specific GPS devices and protocols that will be used. These could be moved at the end as part of country customization, e.g., if not collecting area measurements or plot level coordinates (i.e., no change of interview place from household dwelling). {Refer to the 50x2030 Technical Note on Georeferencing for example instructions.}

**s0Aq14. NAME OF THE RESPONDENT TO THIS SECTION**. As noted above, the respondent should have knowledge of the household’s farming activities. It may be the household head or another adult household member.

**s0Aq15a. Are you or any member of your household growing crops during the [REFERENCE AGRICULTURAL SEASON]?** This includes any temporary, permanent or tree crops, regardless of whether they are cultivated for household consumption or for sales.

## Section 1A. Temporary (Non-Vegetable) Crop Production

For this and the following sections, the crops that farmers reported having cultivated in the post-planting interview/visit will be entered {manually by the enumerator OR automatically using CAPI} so that post-harvest information can be asked about each crop on each plot. Sections 1A, 1V, and 1B collect information on temporary crops, which are crops sown and (usually) harvested during the same agricultural year, sometimes more than once. Section 1A focuses on non-vegetable crops. Permanent crops are covered in sections 2A & 2B.

The questionnaire allows for reporting the actual and expected harvests in non-standard units of measurements (NSUs) and in different states/conditions. This is particularly important in contexts where NSUs are very common, and when a single crop may be harvested in different states.

#### Respondent & Level of Reporting

This information is collected for each TEMPORARY CROP (excluding vegetable crops), on each PLOT, on each PARCEL. So, for example, if the household grows maize on 3 different parcel-plots, maize information will be recorded across three separate rows (e.g., maize Plot 1 Parcel 1, maize Plot 1 Parcel 3, and maize Plot 2 Parcel 3). The respondent should be the household member most knowledgeable about the harvest activities of specific crop-plot-parcel activities. Note that it is possible to have different respondents for different crop-plot-parcel entries.

#### Question by Question

**s01a\_q01. PREFILL ALL PLOT-CROP INFORMATION FOR TEMPORARY CROPS (EXCLUDING VEGETABLE CROPS) FROM POST PLANTING QUESTIONNAIRE.** This information will be pre-filled based on information reported by the household during the ILP-AG PP interview. {For CAPI: This will be done automatically by the CAPI software. OR for PAPI: This should be filled in BEFORE approaching the household; extra care must be taken to ensure the proper crops are pre-filled into the proper sections (temporary, permanent, etc.).}

**s01a\_q03. You indicated that [CROP] was planted on [PLOT] on [PARCEL]. Which organic fertilizers, if any, did your household apply on the [CROP] on this [PLOT] during the [REFERENCE AGRICULTURAL SEASON]?** This will effectively be the first question you ask the respondent about the harvest of crops and where you will indicate which crop-plot-parcel you are referring to for the following questions as well. If they have grown a crop on more than one Plot-Parcel, be sure they are clear about WHICH CROP-PLOT-PARCEL you are referring to. Select all of the organic fertilizers applied on the crop-plot-parcel during the reference period regardless of how frequently they were applied. Organic fertilizers are natural products such as animal and plant by-product, most commonly manure derived from animal dung or poultry droppings or organic compost derived from crop residue and / or organic materials from kitchen waste such as fruit & vegetable peels, eggshells, (paper) tea bags, etc.

{Include explanations or guidance that enumerators can use to help respondents identify which type of fertilizers the household has used, based on what is relevant in the context.}

**s01a\_q04. Which inorganic (chemical) fertilizers, if any, did your household apply on the [CROP] on [PLOT] during [REFERENCE AGRICULTURAL SEASON]?** Select all of the inorganic or chemical fertilizers applied on the crop-plot-parcel during the reference period regardless of how frequently they were applied. Make sure the respondent is clear about WHICH CROP-PLOT-PARCEL you are referring to. Inorganic fertilizers are those that are artificially derived, chemical fertilizers. Common examples are NPK, DAP, or urea.

**s01a\_q05. Which pesticides, if any, did your household apply on the [CROP] on [PLOT] during the [REFERENCE AGRICULTURAL SEASON]?** Pesticides are chemicals used to protect crops from fungal diseases and pests (both external and soil-borne). Herbicides are chemicals used to control the spread of unwanted weeds and plants. Some common pesticides are: Cypemethrins (Ripcord, Cymbush, and Sherpa) for the control of insect pests; Chlorothalonil (Daconil) for the control of fungal diseases; and Primiphos methyl (Actelic) for the control of storage pests. Record YES if any pesticides or fungicides were used during the reference period. {Be sure to include as additional examples of any products that are commonly used in the country/region of the survey.}

{Include explanations or guidance that enumerators can use to help respondents identify which type of pesticides and herbicides the household has used.}

**s01a\_q06. Did your household harvest any of the [CROP] from [PLOT] during the [REFERENCE AGRICULTURAL SEASON]?** Record NO if the crop on this plot-parcel was not harvested for any reason. A list of the most common reasons are listed in the next question. If the crop was harvested, either entirely or partially, record YES here and collect the rest of the information in this section as instructed. If the crop was harvested but then lost (i.e., lost AFTER harvest), record YES as well.

**s01a\_q07. Why did your household not harvest any [CROP] from [PLOT] during the [REFERENCE AGRICULTURAL SEASON]?** This question is only asked if the entire crop was not harvested on the plot. In such cases, it is the last question asked about this crop-plot-parcel.

**s01a\_q09.** **How much [CROP] in total did your household harvest from [PLOT] during the [REFERENCE AGRICULTURAL SEASON]?** Record the unit *as reported by the respondent,* do not convert the amount into another unit. If the unit reported is not on the list of available units, record ‘Other, specify’ and write in the unit; in such cases you must work with your supervisor and the respondent to determine an equivalent value in one of the known units; write this conversion amount in the notes section. Record the condition of the crop in addition to the quantity and unit sold.

It may be easier for the respondent to recall the harvest amount in several different conditions/states. Record each condition/state separately. For example, a respondent may indicate they harvested 50 kilograms of green maize on the cob, plus one 100kg bag of maize grain. First record the green maize on the cob then separately the maize grain.

If the household still plans to harvest more of this crop from this plot, do not estimate future harvest – ONLY record amounts actually harvested already, at the time of the interview.

**s01a\_q10.** **Has your household completed the harvest of [CROP] from [PLOT]?** Record YES if the household has finished all planned harvesting of this crop on this plot, regardless of whether they managed to harvest all of the crop planted on the plot.

**s01a\_q12. Is the area that has been harvested of [CROP] on [PLOT] less than the area planted?** Record YES if the household, for any reason, did not harvest the entire area planted with the crop. If the entire area planted has already been harvested, record NO and finish this section for the given crop-plot-parcel.

**s01a\_q13. Why was the area harvested of [CROP] on [PLOT] less than the area planted?** If there are multiple reasons, select the MAIN reason.

**s01a\_q14. During the [REFERENCE AGRICULTURAL SEASON], approximately what percent of [PLOT] planted with [CROP] was harvested?** Asked for any crop that was not fully harvested. If the respondent is unsure of percentages, you can help them estimate by asking by fractions. For example, ask if it was half, more than half, or less than half; if less than half, as if it was more, less, or about equal to a quarter; and so on. Even if the respondent provides the answer in a fraction (a quarter, a half, etc), you must record the amount as a percentage (25, 50, etc).

**s01a\_q15. Approximately what percent of [PLOT] area planted with [CROP] do you expect to harvest in the [REFERENCE AGRICULTURAL SEASON]?** It is possible that some portion of the crop could be harvested after the interview date, either because the interview takes place before the {Reference Agricultural Season} ends or because some crop will be harvested after the usual seasons. Note that the percent the household expects to harvest could be the same or less than the area still not harvested at the time of the interview.

**S01a\_q17. Why was the area not harvested?** Select up to two main reasons**.**

**S01\_q18 Approximately what percent of the [PLOT] area planted with [CROP] in the [REFERENCE AGRICULTURAL SEASON] wasn't harvested due to these shocks?** Ask the respondent to estimate the percentage of the planted area that was not harvested due to these damages/shocks. For example, if one quarter of the area planted with the main crop on the plot was damaged, you would enter “25”.  We are asking here about the percentage of the *planted area* that was lost due to damage.

## Section 1V. Vegetable Crop Production

The Food and Agriculture Organization has classified some seasonal crops as “horticultural” crops, referred to here as vegetable crops, for the purposes of this survey. These pre-determined classifications will be used to assign each crop to the questionnaire section in which it will be asked about. Similar to section 1A, the relevant crops reported during the ILP-AG PP interview will be pre-filled in this section.

#### Respondent & Level of Reporting

This information is collected for each TEMPORARY VEGETABLE CROP, on each PLOT, on each PARCEL. The respondent should be the household member most knowledgeable about the harvest activities of specific crop-plot-parcel activities.

#### Question by Question

This section asks all of the same questions as Section 1A (albeit some are assigned different question numbers), plus additional questions specifically relevant to vegetable crops. Guidance is provided here on the vegetable-specific questions; for the rest, see guidance in the above section.

**s01v\_q06. How many plantings of [CROP] on [PLOT] did your holding perform during the [REFERENCE AGRICULTURAL SEASON]?** Many vegetable crops can be planted multiple times throughout an agricultural season.

**s01v\_q11.** **Is the [PLOT] where [CROP] was planted divided into beds?** A common feature of vegetable farming in many countries is sectioning the plot into multiple subplots (generally of equal size) called “beds”. In a given season, there may be many plantings on a single bed with sometimes different crops from one planting to another. A bed is a piece of land surrounded by a mound or a walkway for transplanting seedlings.

**s01v\_q13. What is the average size of a bed?** Answers are only allowed in square meters. {To be customized at country level, as needed}

**s01v\_q14. How much [CROP] on average did your holding harvest from [PLOT] in each bed during the last harvest in the [REFERENCE AGRICULTURAL SEASON]?** Only asked for plot-crops that were divided into beds (as reported in Q11). If they were not divided into beds, then ask Q15 instead.

## Section 1B. Temporary Crop Destination

This section records how farmers used their production of temporary crops, including both vegetable and temporary non-vegetable crops, differentiating between various destinations/uses. It will continue to ask about the crops reported in the previous section. Here, it will ask only about those crops that were HARVESTED during the reference period.

#### Respondent & Level of Reporting

Whereas the previous section collects information at the plot-crop level (meaning a crop grown on 2 plots had two separate entries), this section collects information at the CROP level, meaning that all information on a crop is collected together, regardless of plot-parcel divisions. The respondent should be the household member most knowledgeable about the harvest activities of specific crop activities. Note that it is possible to have different respondents for different crop entries.

#### Question by Question

**CROP NAME.** Every crop reported in Sections 1A AND 1V MUST be listed here – and listed only ONCE.

**S01b\_q01. ENUMERATOR: RECORD THE ID OF THE RESPONDENT.** You could select the respondent from a pop-up list in case of CAPI.

**s01b\_q02. Thinking of all the land your household cultivated in the [REFERENCE AGRICULTURAL SEASON], what was the total quantity of [CROP] your household harvested?** Record the quantity in final form, such as grain form for cereal crops. The total quantity must all be reported in the same condition. If, for example, the respondent reports 10kg of maize in grain form and 20kg of maize on the cob, work with the respondent to estimate the total quantity in grain form by estimating the total maize grain from the 20kg of maize on the cob, and add that to the 10kg of maize grain reported separately. This should include **all** the [CROP] cultivated across all plots. This question is used primarily to give respondents a reference amount for the questions that follow. Report the condition in which the crop is reported, keeping in mind this should be the final form of the crop.

**s01b\_q03. Do you have any of the harvested [CROP] in storage currently?** Record YES if any quantity of the harvested crop in unprocessed form is currently being stored by the household to beused in the future, such as for food for the household, to be sold later, to be used as seed for planting, to be rendered as payment in kind, to be used as animal feeding or any other reasons.

**s01b\_q04. What percentage of the total [CROP] harvest is currently in storage?** This question asked about the percentage, or the share, of the total harvest from the [REFERENCE AGRICULTURAL SEASON] that is currently kept in storage by the household. If the household harvested a total of 100kg of maize grain, and 20kgs are currently being stored, enter “20%”.

In the following questions, the respondent is asked to think about the total quantity of harvest, including any amount that is currently in storage. If the respondent has indicated that they have any crop in storage, CAPI will automatically add text to the relevant questions to specify “including the quantity in storage”. If the respondent reported having no crop in storage, that text will not appear.

**s01b\_q05. Has your household used, or does it intend to use in the future, the [CROP] produced [including the quantity in storage] for any of the following purposes? Read aloud the response options and indicate all uses that apply.** This question aims to understand how the crop has been used or how it will be used in the future, including any quantity in storage. A household may, for example, use some of the crop for consumption by household members, and sell some of the crop. If those are the only uses of the crop, you would indicate those two use categories. It could be that the household has not yet sold the crop, but they plan to sell some of the crop from this harvest in the future. In that case you would still indicate sales as a use category. Note that sales of crop in unprocessed form are reported as a separate category as crop that is processed and then sold.

**s01b\_q06. Was any part of the [CROP] lost during or after the harvest, including during post-harvest activities, transport, or storage?** This question aims to understand if the household lost any of the crop harvest either during the harvest stage or after harvesting. Loss of the crop after harvesting could be caused by many factors such as damage caused during threshing or drying, damaged during transportation, or issues with pests or rotting while in storage, for example.

**s01b\_q07. What percentage of the [CROP] harvested in the [REFERENCE AGRICULTURAL SEASON] was sold, or is intended to be, sold in unprocessed form [including the quantity in storage]?** Processing refers to changes to crops beyond their natural/fresh state, such as drying, grinding into flour, pickling, etc. Unprocessed, then, refers to the part of the crops sold without such alterations. Simple post-harvest treatments such as removing inedible parts (shelling, peeling, husking, etc.) are not considered processing, though they do alter the condition of the unprocessed crop. Indicate the total quantity that the household has sold AND expects to sell, from the crop harvested during the reference agricultural season.

**s01b\_q08. Has your household sold any unprocessed [CROP] yet, since the harvest?** Indicate if the household has *already* sold any of the crop in unprocessed form. If they have not yet made any actually sales, record “No” even if they expect to sell in the future.

**s01b\_q09. How much of the harvested [CROP] has been sold in *unprocessed* form?** Report only the quantity of crop already sold, do not include estimated future sales in this question. Record the unit as reported by the respondent*,~~,~~* d~~d~~o not convert the amount into another unit. If the respondent indicates sales in more than one crop condition and or unit, you must work with the respondent to aggregate the sales into once common condition and unit combination, which should be the condition/unit combination with the most sales. If the unit reported is not on the list of available units, record ‘Other, specify’ and write in the unit; in such cases you must work with your supervisor and the respondent to determine an equivalent value in one of the known units; write this conversion amount in the notes section. Include both sales in-kind and cash.

**s01b\_q10a. Total value or unit price?** Ask the respondent whether they prefer to report the total value of crop earnings, or their unit price. If unit price is selected, ask q10c.

**S01b\_q10b. What was the total value of all unprocessed [CROP] sales?** If the respondent selected total value in S01b\_q10a, then record the total value of unprocessed sales to date. Again, this does not include the estimated value of future sales – it only includes actual sales made through the date of the interview. If sales were done in-kind, the value of these sales must be estimated.

**s01b\_q11.** **Who in your household decides or will decide what to do with earnings from the sale of unprocessed [CROP]?** Note that this question is not asking who sold the crop, but rather who in the household decided or will decide what to do with the *earnings* *from the unprocessed crop* sold and reported in the previous questions. Select up to two household members.

**s01b\_q12-19, 21. What percentage of the [CROP] harvested in the [REFERENCE AGRICULTURAL SEASON] was…or is intended to be…?** This series of questions asked about the percentage, or share, of the total crop harvest from the reference agricultural season (including any amount in storage) that has been or will be used for specific purposes. If the respondent has difficulties reporting in percentages, you can help by asking them about fractions. For example, ask if it was half, more than half, or less than half; if less than half, as if it was more less or about equal to a quarter; and so on. Even if the respondent provides the answer in a fraction (a quarter, a half, etc.), you must record the amount as a percentage (25, 50, etc.). Note that the percentages reported in questions 7, 12, 13, 14, 15, 16, 17, 18, 19 and 21 must total 100%, to account for the use of the total quantity of crop produced (as reported in Q2).

## Section 2A. Permanent Crop Production

This section collects information on the quantities of permanent crops, including from trees, harvested during {REFERENCE AGRICULTURAL YEAR}, as tree and permanent crops typically do not have a specific production period or at least not one that lines up with the more narrowly-defined seasonality of temporary crops. This section allows for the estimation of pre-harvest losses, as well as the dates of the production period of each permanent crop.

Note that:

* For the purpose of this questionnaire, cassava is classified as a permanent crop. Other tree/permanent crops include coffee, tea, nut trees, and other fruit trees.
* Fruits gathered or foraged from wild land (or any land not cultivated, belonging to, or used exclusively by the household) ARE NOT to be listed here.
* Note that in previous sections information is collected by season, while in this section the reference period covers 12 months.

#### Respondent & Level of Reporting

This information is collected for each TREE OR PERMANENT CROP, on each PARCEL. So, for example, if the household has mango trees on 2 different parcels, information on those trees will be recorded on two separate rows (e.g.: mango trees Parcel 1 and mango tree Parcel 3). The respondent should be the household member most knowledgeable about the harvest activities of specific crop-plot-parcel activities. Note that it is possible to have different respondents for different crop-plot-parcel entries.

#### Question by Question

**PERMANENT CROP NAME.** This information must be PRE-FILLED based on information reported by the household during the ILP-AG-PP interview. {For CAPI: This will be done automatically by the CAPI software. OR for PAPI: This should be filled in BEFORE approaching the household; extra care must be taken to ensure the proper crops are pre-filled into the proper sections (temporary, permanent, etc).

**s02a\_q03. You indicated that [PERMANENT CROP] was planted on [PARCEL]. Which organic fertilizers did your household apply, if any, on the [PERMANENT CROP] planted on this [PARCEL] during the [REFERENCE AGRICULTURAL YEAR]?** For guidance on fertilizer types, see manual Section 1A.

**s02a\_q04. Which inorganic (chemical) fertilizers did your household apply, if any, on the [PERMANENT CROP] planted on [PARCEL] during [REFERENCE AGRICULTURAL YEAR]?** For guidance on fertilizer types, see manual Section 1A.

**s02a\_q05. Which pesticides did your household apply, if any, on the [PERMANENT CROP] planted on [PARCEL] during the [REFERENCE AGRICULTURAL YEAR]?** Pesticides are chemicals used to protect crops from fungal diseases and other pests (both external and soil-borne). Herbicides are chemicals used to control the spread of unwanted weeds and plants. Some common pesticides are: Cypemethrins (Ripcord, Cymbush, and Sherpa) for the control of insect pests; Chlorothalonil (Daconil) for the control of fungal diseases; and Primiphos methyl (Actelic) for the control of storage pests. Record YES if any pesticides (fungicides, herbicides, rodenticides etc.) were used during the reference period. {be sure to include as additional examples any products that are commonly used in the country/region of the survey.} For guidance on pesticide types, see manual Section 1A.

**s02a\_q06. How many plants on this [PARCEL] were in production during [REFERENCE AGRICULTURAL YEAR]?** A plant is considered“in production” if it was producing crops at any time during the [REFERENCE AGRICULTURAL YEAR].

**s02a\_q09. In the last harvest period during [REFERENCE AGRICULTURAL YEAR], were there any losses of [PERMANENT CROP] before the harvest?** This refers to ONLY losses before harvest. If the plant is harvested throughout the year, the losses refer to only the last harvest period and not over the entire **[REFERENCE AGRICULTURAL YEAR]**. Any losses after harvest (while in storage, transport, etc.) or from previous harvest periods should not be considered or recorded here.

**S02a\_q10a**. **Approximately what percent of the [PARCEL] area planted with [PERMANENT CROP] in the [REFERENCE AGRICULTURAL YEAR] was not harvested due to these shocks?** Ask the respondent to estimate the percentage of the planted area that was not harvested due to these damages/shocks. For example, if one quarter of the area planted with the main crop on the plot was damaged, you would enter “25”.  We are asking here about the percentage of the *planted area* that was lost due to damage.

## Section 2B. Permanent Crop Destination

The Permanent Crop Destination section continues to ask about the permanent crops reported in the previous section. This section will ask only about those crops that were HARVESTED during the [REFERENCE AGRICULTURAL YEAR]. It collects information on the uses of the harvested crops as well as the intended destination of stored harvest, as part of the harvest may still be stored for future utilization at the time of the interview.

As in previous sections, quantities can be reported in local units of measurements and in different states and conditions.

#### Respondent & Level of Reporting

Whereas the previous section collects information at the parcel-crop level (meaning a crop grown on 2 parcels had two separate entries), this section collects information at the CROP level – all information on a crop is collected together, regardless of which parcel(s) it was harvested from. The respondent should be the household member most knowledgeable about the harvest activities of specific crop activities. Note that it is possible to have different respondents for different crop entries.

#### Question by Question

**CROP NAME.** Every crop reported in Section 2A and HARVESTED during [REFERENCE AGRICULTURAL YEAR] MUST be listed here. The reference period for this section covers a 12-month period. In all other aspects, the questions and related guidance are the same as in Section 1B.

**S02b\_q01. ENUMERATOR: RECORD THE ID OF THE RESPONDENT.** You could select the respondent from a pop-up list in case of CAPI.

**s02b\_q02. Thinking of all the land your household cultivated in the [REFERENCE AGRICULTURAL SEASON], what was the total quantity of [CROP] your household harvested?** Record the quantity in final form, such as grain form for cereal crops. The total quantity must all be reported in the same condition. If, for example, the respondent reports 10kg of maize in grain form and 20kg of maize on the cob, work with the respondent to estimate the total quantity in grain form by estimating the total maize grain from the 20kg of maize on the cob, and add that to the 10kg of maize grain reported separately. This should include **all** the [CROP] cultivated across all plots. This question is used primarily to give respondents a reference amount for the questions that follow. Report the condition in which the crop is reported, keeping in mind this should be the final form of the crop.

**s02b\_q03. Do you have any of the harvested [CROP] in storage currently?** Record YES if any quantity of the harvested crop in unprocessed form is currently being stored by the household to beused in the future, such as for food for the household, to be sold later, to be used as seed for planting, to be rendered as payment in kind, to be used as animal feeding or any other reasons.

**s02b\_q04. What percentage of the total [CROP] harvest is currently in storage?** This question asked about the percentage, or the share, of the total harvest from the [REFERENCE AGRICULTURAL SEASON] that is currently kept in storage by the household. If the household harvested a total of 100kg of maize grain, and 20kgs are currently being stored, enter “20%”.

In the following questions, the respondent is asked to think about the total quantity of harvest, including any amount that is currently in storage. If the respondent has indicated that they have any crop in storage, CAPI will automatically add text to the relevant questions to specify “including the quantity in storage”. If the respondent reported having no crop in storage, that text will not appear.

**s02b\_q05. Has your household used, or does it intend to use in the future, the [CROP] produced [including the quantity in storage] for any of the following purposes?** Read aloud the response options and indicate all uses that apply. This question aims to understand how the crop has been used or how it will be used in the future, including any quantity in storage. A household may, for example, use some of the crop for consumption by household members, and sell some of the crop. If those are the only uses of the crop, you would indicate those two use categories. It could be that the household has not yet sold the crop, but they plan to sell some of the crop from this harvest in the future. In that case you would still indicate sales as a use category. Note that sales of crop in unprocessed form are reported as a separate category as crop that is processed and then sold.

**s02b\_q06. Was any part of the [CROP] lost during or after the harvest, including during post-harvest activities, transport, or storage?** This question aims to understand if the household lost any of the crop harvest either during the harvest stage or after harvesting. Loss of the crop after harvesting could be caused by many factors such as damage caused during threshing or drying, damaged during transportation, or issues with pests or rotting while in storage, for example.

**s02b\_q07. What percentage of the [CROP] harvested in the [REFERENCE AGRICULTURAL SEASON] was sold, or is intended to be, sold in unprocessed form [including the quantity in storage]?** Processing refers to changes to crops beyond their natural/fresh state, such as drying, grinding into flour, pickling, etc. Unprocessed, then, refers to the part of the crops sold without such alterations. Simple post-harvest treatments such as removing inedible parts (shelling, peeling, husking, etc.) are not considered processing, though they do alter the condition of the unprocessed crop. Indicate the total quantity that the household has sold AND expects to sell, from the crop harvested during the reference agricultural season.

**s02b\_q08. Has your household sold any unprocessed [CROP] yet, since the harvest?** Indicate if the household has *already* sold any of the crop in unprocessed form. If they have not yet made any actual sales, record “No” even if they expect to sell in the future.

**s02b\_q09. How much of the harvested [CROP] has been sold in *unprocessed* form?** Report only the quantity of crop already sold, do not include estimated future sales in this question. Record the unit as reported by the respondent*,* do not convert the amount into another unit. If the respondent indicates sales in more than one crop condition and or unit, you must work with the respondent to aggregate the sales into once common condition and unit combination, which should be the condition/unit combination with the most sales. If the unit reported is not on the list of available units, record ‘Other, specify’ and write in the unit; in such cases you must work with your supervisor and the respondent to determine an equivalent value in one of the known units; write this conversion amount in the notes section. Include both sales in-kind and cash.

**s02b\_q10a. Total value or unit price?** Ask the respondent whether they prefer to report the total value of crop earnings, or their unit price. If unit price is selected, ask q10c.

**S02b\_q10b. What was the total value of all unprocessed [CROP] sales?** If the respondent selected total value in S01b\_q10a, then record the total value of unprocessed sales to date. Again, this does not include the estimated value of future sales – it only includes actual sales made through the date of the interview. If sales were done in-kind, the value of these sales must be estimated.

**s02b\_q11.** **Who in your household decides or will decide what to do with earnings from the sale of unprocessed [CROP]?** Note that this question is not asking who sold the crop, but rather who in the household decided or will decide what to do with the *earnings* *from the unprocessed crop* sold and reported in the previous questions. Select up to two household members.

**s02b\_q12–19, 21. What percentage of the [CROP] harvested in the [REFERENCE AGRICULTURAL SEASON] was...or is intended to be…?** This series of questions asked about the percentage, or share, of the total crop harvest from the reference agricultural season (including any amount in storage) that has been or will be used for specific purposes. If the respondent has difficulties reporting in percentages, you can help by asking them about fractions. For example, ask if it was half, more than half, or less than half; if less than half, as if it was more less or about equal to a quarter; and so on. Even if the respondent provides the answer in a fraction (a quarter, a half, etc.), you must record the amount as a percentage (25, 50, etc.). Note that the percentages reported in questions 7, 12, 13, 14, 15, 16, 17, 18, 19 and 21 must total 100%, to account for the use of the total quantity of crop produced (as reported in Q2).

## Section 2C. Processing Crop Production

This section collects information on products processed *by the farm/household* using only *own-produced commodities* such as crops, animals, fish (and own-foraged/collected in the case of forest commodities). The detailed list of processed products has been adapted at the country level. Note that unlike previous sections, the recall period for this section is THE PAST 12 MONTHS.

#### Respondent & Level of Reporting

This section collects information at the processed product (ITEM) level. The respondent should be the plot manager or a household member most knowledgeable about the household’s crop processing activities. Other knowledgeable household members can be encouraged to contribute information as appropriate.

#### Question by Question

**s2c\_q01. In the past 12 months, did you or any household members process on the farm any of the agricultural crops you produced?** This question will determine whether the rest of the section is asked to the household. ONLY include products that the household processes using *their own main inputs*, such as their crops, livestock they raise, fish/seafood they catch, and forest products they forage. If the household purchases any of these commodities and then processes them, DO NOT count those in this section.

**s2c\_q02.Did your household produce [ITEM] during the past 12 months?** This question must be asked for ALL ITEMS before continuing on to the follow up questions, which are asked item-by-item.

**s2c\_q04. Did your household sell any [ITEM] in the past 12 months?** Include also any items bartered or traded for other goods or services (‘in kind’ sales**) EXCEPT** those given out as gifts or in exchange for land or other inputs (those are captured in Q9 and Q10). The same instruction holds for question 5.

## Section 3D. Permanent Crop/Tree: Seed and Plant Acquisition

This section captures the costs related to planting permanent crops using a 12-month reference period, specifically [REFERENCE AGRICULTURAL YEAR].

#### Respondent & Level of Reporting

Information is collected at the crop level, across all of the household’s holdings. That is, even if a crop is listed on more than one plot in Section 2A, it is listed only once here. The respondent should be the household member most knowledgeable about the harvest activities of specific crop activities.

#### Question by Question

**CROP ID.** List here all the crops reported in Section 2A.

**s3d\_q01.** **Were the [CROP] trees/plants/seeds/cuttings your household used since the beginning of [REFERENCE AGRICULTURAL YEAR]...?** This question is not limited to one answer - record all that apply.

* **Modern varieties, certified seed** are those that can be certified as meeting certain national standards as regards their physical and genetic purity. Their quality and established identity are verified by an official agency after inspection. A document of certification is issued as a result of this verification. {Provide additional elements of recognition based on the seed certification system of the specific country.}
* **Modern varieties, uncertified seed** are seeds with improved quality traits but that have not been certified according to national standards. They are often provided through the informal sector. Note that farmer multiplication of certified seeds without verification by the official agency is to be considered as yielding uncertified seeds.
* **Traditional varieties, uncertified seed** are also called farmers’ varieties, landraces, or traditional varieties. These are the product of breeding or selection carried out by farmers (either deliberately or not) continuously over many generations. Traditional varieties are usually adaptive seed that is adapted to local conditions and stresses.

**S3d\_q02a&b. What was the TOTAL number of [CROP] trees/plants/seeds/cuttings planted in the [REFERENCE AGRICULTURAL YEAR]**? Record the total of all trees/plants/seeds/cuttings used across all plots for that crop type. Include both trees/plants/seeds/cuttings planted and sewn at the beginning of the agricultural season as well as any added throughout the reference period.

**S3d\_q04. How many of the [CROP] trees/plants/seeds/cuttings** **has your household purchased in the [REFERENCE AGRICULTURAL YEAR]?** Record the total quantity purchased, even if only part of it was used during the reference period.

## Section 3A. Labor Input – Household

This section collects information on household members who have contributed to crop production in the reference agricultural season. Similar sections will ask about other agriculture-related activities (livestock, aquaculture, forestry, and fisheries), though this section on household labor in crop production is more detailed than the others. The reference period is the REFERENCE AGRICULTURE SEASON. However, if there is more than one agricultural season in the country, this can be amended to capture crop-related labor for each season separately or in total. Recall that in the case of multiple agricultural seasons, an additional household visit or questionnaire module should be administered to capture the production and related activities for that season. The survey as a whole should cover the entire agricultural year, and for this reason some sections, like those on livestock and fisheries labor, refer to the REFERENCE AGRICULTURAL YEAR.

#### Respondent & Level of Reporting

The information is collected at the individual level, allowing for more accuracy regarding the amount of time each household member has worked on these activities. It is strongly encouraged to collect self-reported information, that is, where each household member reports on their own labor activities. When this is not possible (and for household members under age 15), the plot manager or a household member most knowledgeable about the farm labor activities can provide the information.

#### Question by Question

**s3a\_q01. RESPONDENT ID.** Record here the PID of the person providing the information, which may not always be the same person you are asking about (INDIVIDUAL ID). Try whenever possible to have household members (over age 14) respond on their own behalf (self-report).

**s3a\_q02. Since the start of [REF AGRICULTURAL PERIOD], has [NAME] worked in any crop-related activities for the household farm?** Be sure that the respondent understands that this includes ALL crop-related activities (see Q5 for scope of activities).

**s3a\_q04. How many hours per day on average did [NAME] work since the beginning of the [REFERENCE AGRICULTURAL SEASON]?** If respondents work different hours on different days, ask them to estimate the average number of hours they worked on the days worked.

**s3a\_q05. What activities has [NAME] performed since the beginning of the [REFERENCE AGRICULTURAL SEASON]?** Post-harvest activities also include any processing of the household’s own crops.

## Section 3B. Labor Input – Hired and Exchange

This section gathers information on hired and free/exchange workers that contributed to the household’s crop production activities throughout the reference agricultural season.

#### Respondent & Level of Reporting

The respondent should be the plot manager or a household member most knowledgeable about the household’s labor activities. Other knowledgeable household members can be encouraged to contribute information as appropriate. Information is collected at the household level, by type of worker (men, women, and children).

#### Question by Question

**s3b\_q01. Since the start of the [REFERENCE AGRICULTURAL SEASON], has your household hired any [PERSON TYPE] to work in any agricultural activity (related to crops) for this household/?** Include only people hired (that is, were or will be paid for the work) that are NOT household members. This can include non-household family members that may have been hired.

**s3b\_q04. During those days when hired [PERSON TYPE] worked in those activities, how many hours per day did a typical PERSON TYPE] work?** Be sure that the reported amount is an average of days WORKED.

Example: Each hired labor worked 3 days a week during the entire agriculture season. Usually they worked 4 hours on Mondays, 8 hours on Tuesdays, and 3 hours on Wednesdays. The total hours per week is 15. To calculate hours per day, divide by the NUMBER OF DAYS WORKED (ex> 15/3 = 5) and NOT by the number of days in the week.

**s3b\_q06. Since the start of the [REFERENCE AGRICULTURAL SEASON], have any [PERSON TYPE] from other households worked on agricultural activities (related to crops) for this household/holding as exchange laborers or to assist for nothing in return?** Include here non-household members that helped your household WITHOUT PAY. Include people who provided their work in exchange for goods or even services (such as in exchange for support on their own farm).

## Section 3C. Input Use & Acquisition

This section asks about types of fertilizers and pesticide/herbicides used across ALL parcels and plots. ONLY ASK ABOUT the input types reported in Sections 1A, 1V, and 2A. {In CAPI, the appropriate inputs will be automatically populated into the questionnaire.}

#### Respondent & Level of Reporting

Here, information is collected on inputs used ACROSS ALL PARCELS, PLOTS, AND CROPS throughout the [REFERENCE AGRICULTURAL SEASON]. The respondent should be the household member most knowledgeable about the fertilizer and pesticides use across all parcels, plots, and crops.

#### Question by Question

**s03c\_q01.** **Did your holding use any [INPUT TYPE] during the [REFERENCE AGRICULTURAL SEASON]?** This question should be asked for the entire list of input items before continuing on to the follow-up question(s) for those that are reported as YES. {With CAPI, when applicable the following can be replaced with: CAPI will pre-load this response for all input types based on responses in sections 1A, 1V, and 2A.} The responses here MUST be in sync with the previous responses regarding fertilizers and pesticides. For example, if in Section 1A the household reported using fertilizers, then AT LEAST ONE of the fertilizers here should be coded as YES. Likewise, if Section 1A indicates that the household used no pesticides/herbicides, then here ALL pesticides/herbicides MUST BE NO. If there is a discrepancy, work with the respondent to determine which part (here or Section 1A) should be updated.

**s03c\_q02. What was the quantity of [INPUT TYPE] that your household used during the [REFERENCE AGRICULTURAL SEASON]?** Remind the respondent that you are asking about the UNDILUTED amount used across ALL PLOTS AND CROPS. Record the unit as reported by the respondent*,* do not convert the amount into another unit. If the unit reported is not on the list of available units, record ‘Other, specify’ and write in the unit.

## Section 4A. Livestock in Stock

Sections 4A-4I focus on livestock rearing. In these sections questions are generally asked at two main levels either at the livestock GROUP level or livestock NAME level:

* Livestock GROUP: refers to livestock species or group of species: bovine, buffalo, camelids, sheep, goats (they should be considered separately), pigs, poultry, equines, others.
* Livestock NAME: livestock within the same group is divided in categories by age, sex and sometimes production type.

This section covers the stock of animals OWNED and/or KEPT by the household, regardless of who owns them. It asks about animals currently owned and/or kept, as well as those owned and/or kept over the past 12 months.

#### Respondent & Level of Reporting

Information in this section is collected at the livestock-name (type of animal) level and includes types of poultry as well. Also record here any other animals (rabbits, rodents, etc.) or insects (bees, silkworms, etc.) that the household raises or keeps for consumption of their meat or use of their products. This module is to be administered to the primary respondent or other household member concerned with managing the household’s livestock. Though only one respondent is expected for this section, that person may be assisted by other household members knowledgeable about these livestock details.

#### Question by Question

**s4a\_q00. Did anyone in the household own or keep any livestock in the past 12 months?** This is a filter question for the entire section. If no member of the household raised or owned any livestock during the past twelve months, the rest of this module is skipped.

**s04a\_q01. In the last 12 months, did your holding keep any [LIVESTOCK NAME], irrespective of who owns [LIVESTOCK NAME]?** Record YES for each LIVESTOCK NAME that the household KEEPS, even if they have only one and regardless of who owns these animals. Remember to probe and record YES if they owned or kept LIVESTOCK NAME any time during the past 12 months, even if they have none now.

**s04a\_q02. How many [LIVESTOCK NAME] does your holding currently keep?** Record 0 if the household does not currently keep/own LIVESTOCK NAME but did so at some point in the PAST 12 MONTHS. Note that for some animal types (ex: large ruminants) separate numbers are recorded for male, female, and young animals.

**S04a\_q03.** **Who manages the [LIVESTOCK NAME] currently kept by your household?** Refers to person who decides their care – what to feed them, where to keep them, when to breed them, etc – whether or not they are the person actually caring for them directly.

**s4a\_q08. Do you or a member of your household own any [LIVESTOCK NAME] that is not kept by your household?** The animals reported and counted here MUST NOT overlap with the animals reported in Q1 – Q5. Record YES for each LIVESTOCK NAME that the household OWNS BUT DOES NOT KEEP, even if only one. Remember to probe and record YES if they owned livestock that they did not keep at any time during the past 12 months (even if they do not currently).

**s4a\_q09. How many of such [LIVESTOCK NAME] are currently owned by you or a member of your household?** Record 0 if the household formerly OWNED BUT NOT KEEP any LIVESTOCK NAME but they currently do not. Note that for some animal groups (ex: large ruminants) separate numbers are recorded for male, female, and young animals.

**s4a\_q12. What are the household's main reasons for owning/keeping [LIVESTOCK NAME]?** This is asked for everyone that KEEPS and/or OWNS LIVESTOCK NAME. Do not read the answer options out loud. Instead, code the appropriate answers based on the responses given.

**s04a\_q13. Who in your household decides on how to use the earnings made from [LIVESTOCK NAME] in the past 12 months (sale of live animals or other products if applicable: milk, eggs, furs...)?** This is not concerned with who actually collects the money at the time of the sales, nor with who spends the money, but rather which household member(s) DECIDE how their earnings will be spent.

## Section 4B. Change in Stock

This section collects detailed information on the change in number of animals in past 12 months, recording all entries (births, purchases, gifts received etc.) and exits (sales, deaths, losses, slaughtering, donations etc.). Information is collected on all animals except poultry (which are collected in the next section).

#### Respondent & Level of Reporting

Information in this section is also collected at the livestock name level, for all LIVESTOCK NAME reported in the previous section (except types of poultry, which are in the next section). This module is to be administered to the primary respondent or other household member concerned with managing the household’s livestock, most likely the same respondent for the previous section. Though only one respondent is expected for this section, that person may be assisted by other household members knowledgeable about these livestock details.

#### Question by Question

The change in stock is equal to:

BORN + PURCHASED + GIFTS/RECEIVED – SALES – DEATHS – LOSSES – SLAUGHTERED – GIVEN AWAY

Note that this will not necessarily be equal to the number they currently have (s4a\_q02), as it will also depend on how many LIVESTOCK NAME they had at the start of the last 12 months. It CANNOT, however, be more than the number the household currently owns. For example: if the household currently keeps 4 cows (s4a\_q02=4) then the change in stock cannot be greater than 4. If the change in stock is 6, then one of the numbers reported (either here or in the previous section) is incorrect. If you are using CAPI, it will calculate the check for you. Either way, you will need to review the numbers with the respondent to determine which numbers need to be corrected.

**s04b\_q01. How many [LIVESTOCK NAME] were born in the past 12 months?** This MUST be asked for every LIVESTOCK NAME that the household reported keeping in Section 4A, Q1. Prompt the respondent to report all animals born, even if some of them have since died.

**s04Bq02a. How many [LIVESTOCK NAME] did this household buy alive in the past 12 months?** This MUST be asked for every LIVESTOCK NAME that the household reported keeping in Section 4A, Q1. Prompt the respondent to report all animals purchased, even if some of them have since died. If no animal purchased, enter “0” and move on to q03.

**s04b\_q02 b, c, d. Value of the [LIVESTOCK NAME] purchased in the past 12 months.** To aid respondent memory recall, give him/her the option of reporting the value of purchased livestock in either TOTAL VALUE or UNIT PRICE, regardless of the number of LIVESTOCK NAME they purchased. If the respondent prefers to answer in TOTAL VALUE and more than one LIVESTOCK NAME is reported in Q2 (purchased), then be sure that you record the total value of ALL of the LIVESTOCK NAME purchased (and not the value of just one LIVESTOCK NAME). For UNIT PRICE, be sure that the respondent provides the average price of a LIVESTOCK NAME purchased in the past 12 months. If the household traded the livestock for crops or other in-kind payments, the cash value of the in-kind payments should be calculated and added here as part of the total purchase price of the livestock.

**s04b\_q03. How many [LIVESTOCK NAME] were received for free or as gifts in the past 12 months?** Include here all LIVESTOCK NAME received by the household without purchase – gifts, received to keep for others, found, etc.

**s04b\_q04a, b, c, d. Revenue of the [LIVESTOCK NAME] sold in the past 12 months.** Note thatincludes sale of LIVE ANIMALS ONLY. (Animals slaughtered and sold for meat are recorded at Q8.) To aid respondent memory recall, similar to Q3 above, give respondent the option of reporting the revenue of purchased livestock in either TOTAL VALUE or UNIT PRICE.

**S04b\_q5,5a,5b,5c Deaths of [LIVESTOCK NAME].** Question 5 asks about the number of animals that died due to diseases, while question 5a asks for number of animals that died due to other causes. Question 5b lists these possible other causes (drought, flood, old age…). The respondent shall report up to two main causes for each livestock name in the roster. In question 5c, the respondent is asked to report the number of animals that died due to each of the main causes reported in Q5b.

**04b\_q12-14.** Q12 and Q14 ask for percentages of the slaughtered animals used for different purposes. The sum of the values reported across Q12 (for household consumptions) and Q14 (sales) must NOT exceed 100%; if so, review responses to both questions with respondents to identify which amount(s) should be corrected. It is, however, possible for the total across Q12 and Q14 to be LESS THAN 100%, as there are other uses/losses possible.

Make sure that this percentage is from the number of the {LIVESTOCK NAME] slaughtered reported in Q8. For example, if a household slaughters two sheep and consumes half of the meat from these two sheep slaughtered then Q12 should be 50 percent. On the other hand, if the household consumes a quarter of the meat, then Q14 should be 25 percent. The same applies for Q25.

## Section 4C. Change in Stock – Poultry

This section collects detailed information on the change in number of poultry, recording all entries (births, purchases, gifts received etc.) and exits (sales, deaths, losses, slaughtering, donations etc.) during the past 3 months. This recall period is considered best practice for poultry due to the shorter reproductive cycles of poultry compared to other animals.

#### Respondent & Level of Reporting

This section is also collected at the livestock-name level, for all poultry reported in Section 4A, Q1. This module is to be administered to the primary respondent or other household member concerned with managing the household’s poultry; that person may be assisted by other household members knowledgeable about these livestock details.

#### Question by Question

Because poultry have a shorter life cycle than most livestock, the reference period for this section is the PAST 3 MONTHS. In all other aspects, the questions and related guidance are the same as in the previous section.

## Section 4D. Livestock Breeding & Input Costs

This section collects information on expenses related to livestock raising, specifically breeding, housing, watering, and feeding of livestock. The recall period is the past 12 months.

#### Respondent & Level of Reporting

Information is collected at the level of LIVESTOCK GROUP (e.g. all large ruminants, all small ruminants, poultry, etc.). The respondent continues to be the household member concerned with managing the household’s livestock; that person may be assisted by other household members knowledgeable about these livestock details.

#### Question by Question

**s4d\_q01. Has this household practiced any controlled mating or other breeding strategy (such as selection of reproductive animal, artificial insemination etc.) for [LIVESTOCK GROUP] in the past 12 months?** This question is asked for each livestock group that the household has reported keeping in the past 12 months.

**s4d\_q04 – s4d\_q08.** Thesequestions are asked twice – once for each of the main seasons. {NOTE: 1ST Season and 2nd Season on the questionnaire can be changed to local terms that make it easier for interviewers and respondents to understand the time period referred to in each. Provide additional explanation of the seasons/time period here as needed. This is generally distinction between dry and rainy seasons.}

**s4d\_q02. Has this holding incurred any costs related to breeding [LIVESTOCK GROUP] in the past 12 months?** Record YES for any amount of costs incurred during the past 12 months that are related to breeding. This could include, for example, costs of artificial insemination or stud fees.

**s4d\_q06. How much has this household paid for water for [LIVESTOCK GROUP] in the past 12 months?** Include only the value of the water that is used for the specific livestock group. If multiple livestock groups utilize the same paid water source, estimate the share of the value of the water consumed by that particular livestock group. For example, if a household paid 200 shillings for well water in the last year, and approximately 25% of that was consumed by small ruminants and 75% was consumed by large ruminants, you would indicate 50 shillings spent on water for small ruminants and 150 shillings spent on water for large ruminants.

## Section 4E. Livestock Labor

This section collects information on labor input for livestock-related activities over the past 3 MONTHS. It covers both household labor and non-household labor, paid and unpaid.

#### Respondent & Level of Reporting

Information is asked at the worker-type level. Categories are household members – split into men, women, and children – free/exchange workers, and hired workers. The respondent continues to be the household member concerned with managing the household’s livestock; that person may be assisted by other household members knowledgeable about these livestock details.

#### Question by Question

**s4e\_q01How many [WORKER CATEGORY] were involved in keeping/raising livestock in the past 3 months?** Include here people that spent time directly caring for and maintaining animals.

**s4e\_q03. How many hours per day did a typical [WORKER CATEGORY] work to keep/raise livestock in**

**the past 3 months?** Be sure that the reported amount is an average of days WORKED.

Example: Each hired labor worked 3 days a week during the past 3 months. Usually they worked 4 hours on Mondays, 8 hours on Tuesdays, and 3 hours on Wednesdays. The total hours per week is 15. To calculate hours per day, divide by the NUMBER OF DAYS WORKED (ex> 15/3 = 5) and NOT by the number of days in the week.

**s4e\_q04. Normally, how much did your household pay per day to the [WORKER CATEGORY] to work livestock?** Indicate the average daily wage paid per hired worker.

## Section 4F. Animal Health

This section asks about costs in the PAST 12 MONTHS related to animal health: vaccination, treatment against internal and external diseases, and curative treatments as well.

#### Respondent & Level of Reporting

Information is collected at the level of livestock group. The respondent continues to be the household member concerned with managing the household’s livestock; that person may be assisted by other household members knowledgeable about these livestock details.

#### Question by Question

**s4f\_q01. Has this household vaccinated any [LIVESTOCK GROUP] in the past 12 months?** A vaccine is a drug injected into an animal to prevent it from catching a particular disease. Record yes if at least one of the LIVESTOCK TYPE has received any vaccine, regardless of whether they have received all their required vaccines.

**s4f\_q04. During the last 12 months how much did this household spend on vaccines and treatments against internal and external parasites for [LIVESTOCK GROUP]?** Ensure that the respondent understands that the total reported here is not only for the previous question, but for all 3 questions asked so far.

## Section 4G. Milk Production

This section covers production, consumption, and sales (quantities and values) of the milk collected by the household. The reference questionnaire focuses on cow, goat, sheet, and camel milk, but in contexts where other types of milk are common (such as donkey or horse milk) those rows can be enabled.

#### Respondent & Level of Reporting

This section is collected at the livestock-name level, for all animals that are able to produce milk and are reported as YES in Section 4A, Q1. This module is to be administered to the primary respondent or other household member concerned with managing the household’s dairy production; that person may be assisted by other household members knowledgeable about these livestock details.

#### Question by Question

**s04g\_q01. Did your household milk any [LIVESTOCK NAME] in the last 12 months?** Record YES if any LIVESTOCK NAME was milked in the past 12 months

**s04g\_q02. For how many months on average were [LIVESTOCK TYPE] milked in the past 12 months?** The average lactation period is provided in number of months.

**s04g\_q03. During these months in which [LIVESTOCK NAME] were milked, how many animals were milked on average per month?** This asks about the average number of animals producing milk DURING A MONTH *in which animals were milked*. It is not about the total number of animals that produced milk in the last 12 months.

Example: A household has 10 cows; they milked cows during 4 of the past 12 months; in the first two months they milked all the cows, then two died; they continued milking the rest of the cows for the other 2 months. This means that for the months they milked cows, they milked 9 on average: 10+10+8+8 = 36/4 = 9. For this question the correct response is 9.

**s04g\_q04. During these months in which [LIVESTOCK NAME] were milked, what was quantity of milk milked on a typical day rom the [LIVESTOCK NAME] herd?** This asks about the AVERAGE DAILY production of milk. It is not about the total production in the last 12 months, nor the total production in one month or one week. An accurate response may be difficult to obtain if “the average” is not commonly used by smallholder farmers in your country. In such cases, the accuracy of the information will depend on you as an enumerator working with them to determine this.

**04g\_q05 - s04g\_q07c.** These questions refer to consumption and sale of unprocessed raw milk. Sales refer to both in cash and in-kind.

## Section 4H. Egg Production

This section captures quantities of eggs laid by poultry as well as information on egg consumption and sales.

#### Respondent & Level of Reporting

This section is collected at the livestock name level, for poultry that are able to lay eggs and are reported as YES in Section 4B, Q1. This module is to be administered to the primary respondent or other household member concerned with managing the household’s egg production; that person may be assisted by other household members knowledgeable about these details.

#### Question by Question

**s04h\_q01. Has any [LIVESTOCK NAME] raised by the household produced any eggs in the past 12 months?** Remind the household to also consider any eggs from poultry they had earlier during the 12 MONTH PERIOD, even if they have none at the time of the interview.

**s04h\_q02. How many clutching periods did [LIVESTOCK NAME] have on average in the last 12 months?** Clutching periods usually last from 2-3 weeks. If a respondent says their birds have about one clutching period per month, please probe to ask if by every month they mean every 4-5 weeks (which would be 12 in 12 months) or every 3 weeks (which would be about 17 in 12 months). Clutching periods generally apply to local or traditional breeds, but not to improved breeds.

**s04h\_q03.How many eggs per clutching period did [LIVESTOCK NAME] lay on average?** This should be the number of eggs EACH [**LIVESTOCK NAME**] lays per clutching. So, for example, if the households had 10 hens laying eggs and each of their clutches had about 3 eggs, then record 3 (do not record 30).

**s04h\_q05. How many of the [LIVESTOCK NAME] eggs laid in the last clutching period were consumed by household members in the past 3 months?** Do not include any of the eggs the household gave out as gifts or used to make in-kind payments to non-household members. Include ONLY eggs consumed by the household.

**s04h\_q07**. **How many of the [LIVESTOCK NAME] eggs produced did your household sell in the last 3 months?** Include sales done in cash as well as in-kind payments to non-household members.

## Section 4I. Other Livestock Products

This last section on livestock collects production and sales of other various livestock/animal products.

#### Respondent & Level of Reporting

This section is collected at the product level, covering a variety of other products that can be derived from livestock and other kept animals/insects. This module is to be administered to the primary respondent or other household member concerned with managing the household’s animal-derived products; that person may be assisted by other household members knowledgeable about these livestock details.

#### Question by Question

**s04i\_q01. Did this household produce any [PRODUCT TYPE] in the past 12 months using the farm’s livestock?** This question should be asked about ALL items on the list before moving on to ask the follow up questions for items reported as YES. When asking respondents about these products, keep in mind that many of these products can be produced/derived from more than one type of animal. Only record YES if the household produces this product from animals they keep (and not, for example, if they purchase the raw material from others).

**s04c\_q02 – s04c\_q07.** If the household produced this item from more than one animal (ex: cheese from both sheep and cows), report the combined total amount here.

## Section 5A. Aquaculture Production

Aquaculture is RAISING fish, clams, etc. This section collects information on the amount and value of aquaculture production. Fishing (catching or gathering) activities are collected in next section.

#### Respondent & Level of Reporting

After the initial filter question, information in this section is collected for each type of fish/seafood that the household “farms”. This module should be administered to the household member most familiar with the household’s aquaculture activities. Though only one respondent is expected for this section, that person may be assisted by other household members knowledgeable about these details.

#### Question by Question

**s05a\_q01. Did any household members practice aquaculture on the household farm in the last 12 months?** This is a filter question for the entire section. If the household did not practice aquaculture during the past 12 months, the rest of this module is skipped. Record YES if the household practiced aquaculture during the PAST 12 MONTHS, even if they do not do so at present. To ensure that needed information is not overlooked, when households – especially in coastal areas – initially answer NO, probe to confirm that they indeed have not. Ensure that only aquaculture, and not fishing activities, is recorded in this section. Exclude the activity of household members who might be working in aquaculture on other holdings.

Note that different areas may have local names for some of the fish/seafood; the interviewer should work with their supervisor and the respondent to properly identify the fish/seafood varieties.

{SURVEY-SPECIFIC DESIGN NOTE: Add definitions, photos, or tips as necessary to help interviewers understand the difference between the various ITEMS listed.}

**s05a\_q02. Did your household collect [ITEM] in the past 12 months?** MUST be asked for all listed items before moving on to collect further details on each with the follow-up questions.

**s05a\_q03. What is the total quantity of [ITEM] collected in the past 12 months?** Must be higher than 0. Record the unit reported by the respondent.

**s05a\_q04.How much of the [ITEM] collected in the past 12 months was consumed by household members?** If ITEM was processed (cooked, dried, filleted) before eating, ask the respondent to report the quantity of the unprocessed ITEM, when possible.

**s05a\_q07.** **What was the total amount earned from the sale of [ITEM] in the past 12 months?** For production contracts that cover multiple years, be sure to ONLY INCLUDE the portion of sales that refers to THE PAST 12 MONTHS.

## Section 5B. Aquaculture Labor

This section collects information on labor input for aquaculture activities over the past 12 MONTHS. It covers both household labor and non-household labor, paid and unpaid.

#### Respondent & Level of Reporting

Information is asked at the worker-type level. Categories are household members – split into men, women, and children – free/exchange workers, and hired workers. The respondent continues to be the household member concerned with managing the household’s aquaculture activities; that person may be assisted by other household members knowledgeable about these details.

#### Question by Question

**s5b\_q04. During those days when [WORKER CATEGORY] worked on aquaculture activities, how many hours per day did a typical [WORKER CATEGORY] work?** Be sure that the reported amount is an average of days WORKED. (See example under Livestock Labor).

## Section 6A. Fishing Production

This section collects information on the amount and value of fishing production/catches. Fishing includes catching or gathering existing fish/seafood (that have not been raised or cultured).

#### Respondent & Level of Reporting

After the initial filter questions, information in this section is collected for each type of fish/seafood that the household has caught in the last 12 months. This module should be administered to the household member most familiar with the household’s fishing activities and other household members knowledgeable about these details can assist the primary respondent.

#### Question by Question

**s06a\_q01. During the past 12 months have you or any household members caught fish, crustaceans, or clams/mollusks, for either own use or sale?** This is a filter question for the entire section. If the household did not practice aquaculture during the past 12 months, the rest of this module is skipped. To ensure that needed information is not overlooked, when households – especially in coastal areas – initially answer NO, probe to confirm that they have not.

Note that different areas may have local names for some of the fish/seafood; the interviewer should work with their supervisor and the respondent to properly identify the fish/seafood varieties.

{SURVEY-SPECIFIC DESIGN NOTE: Add definitions, photos, or tips as necessary to help interviewers understand the difference between the different ITEMS listed.}

**s06a\_q03. During the last 12 months, did your household catch [ITEM]?** Q03-Q10 are only asked to households that do not keep fishing records. In such cases, Q03 MUST be asked for all listed ITEMS before asking follow-up questions for each item.

**s06a\_q05. During those months, how many days per month did your household catch [ITEM] on average?** This is asking only about the months when ITEM was fished and caught.

**s06a\_q06. On a typical fishing day, on average, how much [ITEM] did your household collect?** This is asking ONLY for the average amount collected during one fishing day. DO NOT record the total amount collected during the past month or over the past 12 months.

**s06a\_q07. How much of the [ITEM] fished on a typical fishing day is consumed by the household?** Record only the quantity that was consumed BY THE HOUSEHOLD. If ITEM was processed (cooked, dried, filleted) before eating, ask the respondent to report the quantity of the unprocessed ITEM, when possible.

**S06a\_q9.** **How much of [ITEM] did your household sell?** if ITEM was processed (cooked, dried, filleted) before selling, ask the respondent to report the quantity of the unprocessed ITEM, when possible. The question refers to sales both for cash and in kind.

**s06a\_q10.** **What was the average unit price of [ITEM] in the past 12 months?** Note that the reference period has returned to the past 12 months.

**s06a\_q11. What is the total quantity of [ITEM] fished in the past 12 months?** Q11-Q15c are only asked to household that keep fishing records. In such cases, Q11 QUANTITY MUST be asked for all listed ITEMS. Record 0 for any ITEM the household did not fish for during the last 12 months. These households will not answer Q3-Q10.

**s06a\_q12 – s06a\_q14.** The protocol is similar to above, with the difference being that the reference period is the LAST 12 MONTHS.

## Section 6B. Fishery Labor

This section collects information on labor input for fishery activities over the past 12 MONTHS. It covers both household labor and non-household labor, paid and unpaid.

#### Respondent & Level of Reporting

Information is asked at the worker-type level (men, women, and children household members, free/exchange workers, and hired workers). The respondent is the household member concerned with managing the household’s fishery activities; that person may be assisted by other household members knowledgeable about these details.

#### Question by Question

**s6b\_q01. Did [WORKER CATEGORY] work on fishing in the past 12 months?** Keep in mind that this includes household members engaged in any fishing-related activities (fishing, fish processing, or fish trading).

**s6b\_q05 & s6b\_q09. During those days when [WORKER CATEGORY] worked on fishery activities, how many hours per day did a typical [WORKER CATEGORY] work (on average)?** Be sure that the reported amount is an average of days WORKED. (See example under Livestock labor).

## Section 7A1. Forestry Production & Other Wild Products

This section collects information on the amount and value of forestry production derived from the collection or foraging of forest/wild products. For this survey, forest production includes items collected from *any area of non-cultivated land* such as forests, savannahs, grasslands, etc. As such, forest product includes any non-cultivated items collected or foraged from these areas. An important exception are captured aquatic resources, which are recorded in the previous section.

#### Respondent & Level of Reporting

After the initial filter question, information in this section is collected for each type of forest/wild product the household has collected or forages in the last 12 months. This module should be administered to the household member most familiar with the household’s foraging activities and other household members knowledgeable about these details can assist in responding.

#### Question by Question

**s07a\_q01. During the past 12 months have you or any member of your household collected any forest products (such as firewood, wild fruits, honey, wood, mushrooms, wild animals, medicinal plants, etc.) or other natural (“wild”) products (e.g. from grasslands, fallows, etc.), for either your own use or sale?** This is a filter question for the entire section, so be sure the respondent understands the scope of items that are included here, and that you record YES even if they have only collected one wild/forest product during the past 12 months.

**s07a\_q07.** Indicate if the household sold any of the [PRODUCT] they collected during the last 12 months.

**s07a\_q08.** Report how much of the product collected *on a typical day* was generally sold, including sales in cash and in-kind. Include only unprocessed products for both s07a\_q07 and s07a\_q09.

## Section 7A2. Charcoal Production

This section collects information on the household’s production of charcoal in the last 12 months.

#### Respondent & Level of Reporting

This module should be administered to the household member most familiar with the household’s charcoal production activities and other household members knowledgeable about these details can assist in responding.

**s07a2\_q01. During the past 12 months did you or any member of your household produce any charcoal for either your own use or sale?** Record “YES” if the household produced any charcoal in the last 12 months, regardless of if the charcoal was sold, used by the household, or used for other purposes.This includes charcoal produced from wood that was collected/foraged by the household. If the household collected wood from a forest, for example, they would report the quantity of wood collected in Section YA.1 and report the related charcoal production here in Section 7A.2.

**s07a2\_q04. How much charcoal was produced by the household in the last 12 months?** Record to total quantity of charcoal produced by the household in the last 12 months. {Unit codes to be added based on what is relevant for the country context.}

**s07a2\_q05. How much of the charcoal produced was also used by the household?** Indicate the quantity of charcoal produced by the household in the last 12 months that was used by the household. This can be used for various purposes (e.g., cooking, space heating). Do not include the quantity sold as that will be reported in **s07a2\_q07**.

## Section 7B. Forestry Labor

This section collects information on labor input for forestry activities over the past 12 MONTHS. It covers both household labor and non-household labor, paid and unpaid.

#### Respondent & Level of Reporting

Information is asked at the worker-type level (men, women, and children household members, free/exchange workers, and hired workers). The respondent is the household member most knowledgeable about the household’s forestry activities; that person may be assisted by other household members knowledgeable about these details.

#### Question by Question

**s7b\_q03. In the last 12 months, how many months did a typical [WORKER CATEGORY] work on these forestry activities?** Count each month during which any household member collected any forest/wild products even if they did so for only one day.

**s7b\_q06. During those days when [WORKER CATEGORY] worked to collect forest/wild products or produce charcoal, how many hours per day did a typical [WORKER CATEGORY] work?** Be sure that the reported amount is an average of days WORKED. (See example under Livestock labor).

## Section 8. Other Costs

This section records all agricultural costs that are not otherwise captured in other sections. The reference period is [REFERENE AGRICULTURAL SEASON].

#### Respondent & Level of Reporting

This section collects information for different agriculture-related items and services. This module should be administered to the household member most familiar with the household’s agriculture activities and other household members knowledgeable about these details can assist the primary respondent.

#### Question by Question

**ITEM.** For any items that the respondent is not sure what ITEM refers to, you can provide the examples listed in the question.

**s8q03. What period of time does this payment cover?** This can include both time that has passed and time in the future.

## Section 9. Subsidies, Loans, & Transfers

This section records subsidies, loans and transfers that the household/farm received in the [REFERENCE AGRICULTURAL YEAR]. A subsidy is an economic benefit (ie., a tax allowance), a financial aid (e.g., cash grant, voucher), or an in-kind benefit (e.g., seeds, fertilizers, etc.) provided by the government or NGOs to support the income of producers, support a desirable activity (e.g., export) or to keep prices low. A subsidy is not subject to repayment.

A loan is a sum of money or an item that is expected to be paid back with interest or without interest, while a transfer is a sum of money or an item that is received with no expectation of repayment on the part of the giver.

#### Respondent & Level of Reporting

This module should be administered to the household member most familiar with the economic aspects of household’s agriculture activities; other household members knowledgeable about these details can assist the primary respondent. The level of reporting is at the household level.

#### Question by Question

**s09\_q02A. Did you or any member of the household receive [DIRECT AG SUBSIDY] for agricultural purpose during the [REFERENCE AGRICULTURAL YEAR]?** Skip to next direct subsidy if the answer is NO. Direct subsidies include actual cash or vouchers for purchasing agricultural inputs or other agriculture-related expenses.

**s09\_q03A. Did you or any member of the household receive indirect subsidies on [ITEM] in the [REFERENCE AGRICULTURAL YEAR]?** Indirect subsidies are those that do not involve actual cash outlays. They often entail a subsidized (reduced) price on inputs such as fuel, seeds, or fertilizers. They can also be in the form of tax allowances.

**s09\_q05A. In the [REFERENCE AGRICULTURAL YEAR], has anyone in your household taken any cash or in-kind loan for agricultural purposes?** Record YES if the household has acquired any loans for the farming activities. A loan is a sum of money o item that is expected to be paid back/returned, either with or without interest. For this question, do not include any amounts borrowed BEFORE the [REFERENCE AGRICULTURAL YEAR], even if they are still outstanding.

**s09\_q05C. Who was the main loan provider?** If more than one loan was acquired during [REFERENCE AGRICULTURAL YEAR], ask about the provider of the largest loan. (In the event of multiple loans in the same amount, record the provider of the most recent loan.)

**s09\_q08.** **Why did your household not take any loans during this time?** Select the main reason from the list or specify other.

**s09\_q09A. In the [REFERENCE AGRICULTURAL YEAR], has your household repaid any cash or in-kind loan taken for agricultural purposes?** Record YES for any loans that have been paid off or are being paid off during this [REFERENCE AGRICULTURAL YEAR]. This includes loans acquired during [REFERENCE AGRICULTURAL YEAR] as well as payments towards any previously existing loans.

{REMINDER: QUESTIONS **s09\_q10 - s09\_q12** WILL NOT BE INCLUDED IF ILP-AG IS ADMINSTERED IN COMBINATION WITH ILS-HH}

**s09\_q10. In the [REFERENCE AGRICULTURAL YEAR], has anyone in your household received any transfer in cash or in-kind that was used for agricultural purposes?** A transfer is a sum of money or an item that is received with no expectation of repayment on the part of the giver. Providers can be, for example, NGOS, government, friends, or relatives. Indicate only transfers that the household decided to use for agricultural purposes. Do not include any direct subsidies that were reported in question 2.

## Section 99. End Survey

Here you will complete the final meta data details of the interview.

#### Respondent & Level of Reporting

This section should be completed by the enumerator.

#### Question by Question

**s99q01. PHONE NUMBER OF THE RESPONDENT.** This must be the phone number where you reached the respondent. If multiple phone numbers were used to reach the respondent to organize the interview, record here the LAST PHONE NUMBER used to successfully reach the respondent.

**s99q02. STATUS OF THE INTERVIEW.** Only record PARTIALLY COMPLETED if you were unable to complete the interview with the respondent AND you do not expect to be able to complete the interview in future calls. This may be the case if the respondent refuses to continue part way through the interview, or if for other reasons the household can no longer participate in the interview during the survey time frame.

**s99q03. END TIME OF SURVEY.** Record the hour and (approximate) minute when the interview ended, as well as the date of the interview. This information must be recorded even if the final interview status is partially completed.

**s99q04. SURVEY DURATION.** The CAPI system will use the timestamps at the start/end of the interview to calculate the interview duration.