

## Question By Question Specifications

There is a reminder on each page that allows to use relevant codes when appropriate. Please, note however that those are acceptable only in extreme cases.

DO NOT KNOW 99  
REFUSED TO ANSWER 0

### **TITLE PAGE**

1. Before starting the interview, make sure that you understand the meaning of the terms “Farming practice” and “farmer”

Learn the following definitions:

**FARMING PRACTICES: are the activities aimed at making the agricultural product.**

**FARMER: is a person actively involved in agricultural activity. In this survey it is also referred as WUA member, person who is interested in trainings, land user.**

2. Obtain the marz and cluster codes as well as the respondent ID from your field coordinator (FC). We recommend filling in the 2 first columns of the table before the start of the interview using the pencil and at the end marking with pen. Fill in the next 2 columns only when submitting the questionnaire to the FC, at his/her presence. After submitting the completed questionnaire to the FC, make sure that it is validated by the signature in the 5<sup>th</sup> column of the table.

| Marz Code | Cluster/settlement code | Respondent current number | Interviewer Code | Questionnaire is valid<br>Coordinator's signature |
|-----------|-------------------------|---------------------------|------------------|---|
|           |                         |                           |                  |   |

3. Remember the opening paragraph. The success of the interview depends on your approach. Be kind and patient. Gain respondent's cooperation, make him interested by emphasizing the importance of the information he provides.

Hello, my name is **(First name, last name)**: I represent AREG SCYA NGO, which implements Farming practices survey in the RA marzes by the order of “Millennium Challenge Account-Armenia”. The survey data will be used only in a summarized form and will greatly contribute to the elaboration of projects directed to the agricultural development in Armenia. Your reliable answers are very important for us.

4. Before starting the interview, make sure that the selected respondent corresponds to the criteria identified in the definition of a “farmer.” Otherwise, stop the interview and clarify the next steps with the field coordinator.

5. If the respondent is a farmer and agrees to participate in the survey, clearly fill in the next lines

Name of respondent

---

First Name, Middle Name, Last Name

The following should be recorded before the interview.  
Contacts of the respondent (telephone) \_\_\_\_\_

Immediately fix the time:  
Start time \_\_\_\_\_

Do not forget to fix the time at the end of the interview  
End time \_\_\_\_\_

## HOUSEHOLD DESCRIPTION

### A. Land Use and Cattle-breeding

1. Make sure you understand the terms *cultivated land, kitchen plot and land use*.

Use the following definitions:

CULTIVATED LAND: is the land which is allowed to use for agricultural purposes only.

KITCHEN PLOT: is the land on which you can also build a house.

LAND USE: is the use of land or kitchen plot for farming purposes during last agricultural season.

2. Carefully take the answer marking the correct time period. This question does not refer to farming on the kitchen plot

**A1. How many years have you been farming (excluding years in which the kitchen plot was cultivated alone)?**

1. less than 1
2. 1 - 5
3. 6 – 10
4. 11 – 16
5. More than 17

3. The question refers to privatized land plots (field) only and not the kitchen plot. If the answer is provided in hectares, re-calculate it in square meters. Note, that 1 ha = 1000 sm. If appropriate, round the numbers.

**A2. What is the total area of the land currently cultivated by your household (not including kitchen plot)?**

| Type of land                    | Area in sq.m |
|---------------------------------|--------------|
| 1. Own cultivated land          |              |
| 2. Rented/other cultivated land |              |

4. If necessary, explain the term kitchen plot. Pay attention to <sup>3</sup>ÝóáõÛÇ .

**A3. Do you have a kitchen plot?**

1. Yes

2. No (then => A6.)

5. Record the size in square meters. If the answer is provided in hectares, re-calculate it in square meters. Note, that 1 ha = 1000 sm. If appropriate, round the numbers.

**A4. How big is the plot?**

\_\_\_\_\_ sq.m

6. Identify the main, most frequently used watering method. Irrigation water is the water received through the irrigation system. Rain water refers to watering the land by rain or by the water collected from the rain.

**A5. How do you water kitchen plot?**

1. Mainly well or drinking water
2. Mainly irrigation water
3. Mainly rain water
4. Other (specify) \_\_\_\_\_

7. Pay attention to skips.

**A6. Do you have livestock?**

1. Yes, *to the Interviewer: fill in the table below.*
2. No (then => B1)

8. Fill in the third column of the table by recording the number of relevant livestock. If a given livestock is not present, put a hyphen. Do not leave any cell empty.

**Information on households' livestock.**

| N | Item           | Available livestock |
|---|----------------|---------------------|
|   |                | 1                   |
| 1 | Cow            |                     |
| 2 | Pig            |                     |
| 3 | Sheep and goat |                     |

**B. ROSTER OF CROPS GROWN DURING THE LAST AGRICULTURAL SEASON AND CHANGES THEREIN**

**Make sure that you understand the term “last ag. Season.”**

**LAST AG. SEASON: the time period from the first óÝùÇó in 2007 (including greenhouses) until now.**

1. Note, that the question also refers to the kitchen plot. Fully familiarize yourself with Card 1 so as you easily find the appropriate codes for the crops. In case, if the plots are not cultivated during the last season, and there are no crops on the kitchen plot circle the code 66 and make a skip. If the lands are cultivated then start filling in from the “Item” column, recording the first code. Then fill in line by line for each crop item filling in the next columns.

Record the appropriate option code in the Column ”1“ next to the “Item” column.

In the column “how much was cultivated” record only the square meters. “Number of trees” should be recorded only in cases when very few fruit trees are reported. For the question “how much was

sold” fill in only the columns for tons and drams, do not leave empty any cell. The answer should be recorded in tons, even if it is provided in kilograms.

The last column is for “barter” cases, when one product is exchanged with a different product.

**B1. Crop production and utilization in the field (including kitchen plot).**

*To the Interviewer: Use Card 1 to fill in the table and fill the numbers in fixed format.*

66. N/A

|   |                                    |  |   |                 |   | ᐃᐅᐅ                |     |                       |
|---|------------------------------------|--|---|-----------------|---|--------------------|-----|-----------------------|
| N | Item (Input Code using the Card I) | 1. In the field<br>2.In the kitchen plot<br>3.Both | How much was cultivated?<br><br>If only several trees were cultivated, ask how many trees, writing down the number. |                 | Total amount harvested in the last season | How much was sold? |     | How much was bartered |
|   |                                    |  | sq. m.  | number of trees | t   | t                  | AMD | t                     |
|   |                                    |  |   |                 |   |                    |     |                       |
|   |                                    | 1  | 2   | 3               | 4   | 5                  | 6   | 7                     |
| 1 |                                    |  |   |                 |   |                    |     |                       |

3. Fully familiarize yourself with the Card 2. You should clearly understand each practice and if necessary explain it to the respondent. You can contact the FC for clarifications. Try to get honest answers. Record the appropriate codes in the second column of the table.

**B2. During the past agricultural season, did you do any of the following practices?**

*To the Interviewer: Provide the respondent with Card 2. Check all applicable answers*

|    |  |
|----|--|
| 1. |  |
| 2. |  |
| 3. |  |
| 4. |  |
| 5. |  |
| 6. |  |
| 7. |  |

3. The question refers to totally new crops or the crops that have not been cultivated last year. Pay attention to the skip.

**B3. During recent agricultural season, did you grow different crops from the previous year?**

1. Yes
2. No (then =>C1.)

4. Read the answers slowly, circle the options selected by the respondent. Definitely record the “other” option.

**B4. What is the main reason you changed your cropping pattern?**

1. Improved irrigation
2. Lack of water
3. Weather
4. Market conditions
5. Cost of inputs
6. Government subsidies
7. Trying new varieties of crops
8. Access to training
9. Other (specify) \_\_\_\_\_

**C. WATER USE**

1. Note, that this does not refer to the kitchen plot. The plot size should be recorded in square meters. If the answer is provided in hectares, re-calculate it in square meters. Note, that 1 ha = 1000 sm. If appropriate, round the numbers. The first three options imply that the respondent uses primarily one irrigation/watering method. The following two options imply that the respondent uses several main methods. If the watering is not performed by a give mean, but a hyphen. Do not leave any cell empty.

**C1. How much of your land did you water through the following ways (not including your kitchen plot)?**

|  |       |
|--|-------|
| 1. Irrigation water (pipeline/canal)                 | sq. m |
| 2. Well or other drinking water                      | sq. m |
| 3. Exclusively natural sources, rivers/ rain water   | sq. m |
| 4. Irrigation water and well or other drinking water | sq. m |
| 5. Irrigation and natural sources, rivers/rain water | sq. m |

2. The question refers to storage of any water for irrigation purposes.

**C2. Do you have a personal tank or reservoir that you use to water crops?**

1. Yes
2. No

3. The question refers to pumps for pumping any water for irrigation purposes.

**C3. Do you have a pump that you use to pump water?**

1. Yes
2. No

4. Fully familiarize yourself with the Card 3: You should clearly understand each practice and if necessary explain it to the respondent. Try to get honest answers. Record the appropriate codes in each cell of the table. If no practice is applied, circle the code “6. None of mentioned.”

**C4. What irrigation practices did you use during the last agricultural season?**

*To the Interviewer: Show CARD 3. Check all possible answers and fill the codes into the space below.*

**6. None of mentioned** (then=>C7)

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

5. Pay attention to the skip in the previous question. If the respondent says that “helped a little” and “did not help much,” or something similar, try to get an absolute answer by reframing the question.

**C5. Did any of these practices help you save water?**

1. Yes
2. No

6. Pay attention to the skip in C4. If the respondent says that “helped a little” and “did not help much,” or something similar, try to get an absolute answer by reframing the question.

**C6. Did any of these practices help you save labor?**

1. Yes
2. No

7. The question refers to such methods as mixing the fertilizers or pesticides with the water in case of drip irrigation, etc.

**C7. Did you incorporate any agricultural practices that changed the way you use fertilizers or pesticides?**

1. Yes
2. No

#### **D. FARMING EXPENDITURES**

1. The question refers to the last agricultural season only. Start with the question in the third column “How much was spent on the mentioned items during the last season.” Then fill in every line of the column. Do not skip any cell. If nothing is spent, put a hyphen. Fill in the last column only when the expenditures are expressed in-kind. Be careful when calculating the monetary value of bartered goods.

**D 1.**

| N | Items   | How much was spent on the mentioned items during the last season?<br><br>AMD (or foreign currency expressed in AMD) | How much was spent on the mentioned items during the last season?<br><br><i>To the Interviewer: If items were bartered, write down the the quantity of mentioned products expressed in drams, for example potatoes for 5000 AMD</i> |
|---|---|---|---|
|   |   | 1   | 2   |
| 1 | All kind of fertilizers and pesticides                                      |   |   |
| 2 | Irrigation  |   |   |
| 3 | Hired labor and hired equipment or tools (including spare parts, fuel etc.) |   |   |
| 4 | Taxes and duties  |   |   |
| 5 | Other major expenses (specify)  |   |   |

#### **E. TRAININGS**

1. The question refers to trainings conducted by any organization since January 2007 until now. Pay attention to skips.

**E1. During the past year, was any farming or irrigation training offered in your community or nearby communities?**

1. Yes
2. No (then => F1)
99. Don't know (then => F1)

2. The question refers to the participation of the respondent farmer only. Pay attention to skips.

**E2. Did you attend any of the trainings?**

1. Yes
2. No (then => F1)

3. Read the answers slowly, circle all the options selected by the respondent. The demo farms are types of farms, where taught practices are adopted and demonstrated. Those are used for training purposes.

**E3. What kind of training was it? (To the Interviewer: Check all that apply)**

1. Classroom training
2. Farm demonstration training
3. Video or computer in the classroom
4. Exchange of experience
5. Some other kind of training (describe)\_\_\_\_\_

4. Certificate is a document that certifies the fact of an individual being trained. It has a stamp, date and information on the training provider.

**E4. Did you receive a certificate at the end of training?**

1. Yes
2. No

## **F. AGRICULTURAL EQUIPMENT**

1. Line by line fill in the table recording codes 1 or 2 accordingly. If a given equipment is not available, put a hyphen. Do leave any cell empty. If none of the mentioned equipment is available, circle code 55.

**F1. Do you currently own or rent any of the following?**

| No | Equipment             | Check if<br>Yes owner | Check if<br>Yes rent |
|----|-----------------------|-----------------------|----------------------|
|    |                       | 1                     | 2                    |
| 1  | Trucks and Tractors   |                       |                      |
| 2  | Combine               |                       |                      |
| 3  | Seed planter          |                       |                      |
| 4  | Sprayer               |                       |                      |
| 5  | Artesian well or tank |                       |                      |

55. I don't have it

2. Note, that the question refers to last ag. season only. Record the amount in Armenian Drams. Follow the skip.

**F2. Did you take credit during the last season?**

1. Yes, amount (AMD) \_\_\_\_\_
2. No (then =>G1)

3. Do not read all the options if the respondent answers immediately. If no answer is provided immediately, read all the options and mark the appropriate answer. Record the "other" option word by word.

**F3. From whom did you receive the credit?**

1. Bank
2. State guaranteed project
3. International organization
4. Parents
5. Friends or others
6. Other (specify) \_\_\_\_\_

## **G. CONSUMPTION AND MONETARY INCOME OF HH MEMBERS**

1. Fill in the table line by line. If nothing was spent on a given item, put a hyphen. Do not skip any cell. Remember, that the question refers to last month expenditures only. Get informed about other substantial expenses. If such were present, record what were those and put the corresponding amount.

**G1. How much is spent by your family for the following purposes during the last month?**

| <i>Cost Item</i>  | <i>Drams</i> |
|---|--------------|
| 1. Food   |              |
| 2. Healthcare costs   |              |
| 3. Housing products (e.g. soup, washing powder etc).                |              |
| 4. Public utilities (electricity, telephone, apartment rent, water) |              |
| 5. Transport  |              |
| 6. Other ( <i>specify</i> )   |              |

2. Fill in the table line by line. If there is no such income put a hyphen. Do not skip any cell. Remember, that the question refers to last month income only. Get informed about other substantial incomes. If such were present, record what were those and put the corresponding amount.

**G2. How much is the generalized monetary income of your family members from the following sources in last month?**

| <i>Income</i>  | <i>AMD</i> |
|--|------------|
| <b>1. Pension</b>  |            |
| <b>2. Remittances from HH absent members (abroad or other RA citizens)</b> |            |
| <b>3. Other benefits (social)</b>  |            |



1. Start filling in the roster from the column “Household members and their relationship to the head of h/h.” Immediately circle the appropriate number of the respondent. Then for each HH member record line by line. The “absents” in the 4<sup>th</sup> column are mid-term and long-term absent members (military service, seasonal work, hospital stay, etc.). The 6<sup>th</sup> column refers to the last month only. The education index is defined as follows: (1). Non-educated: illiterate, (2). Incomplete primary: up to third grade (3). Primary: third grade completed (4.) incomplete general secondary: did not complete the 8<sup>th</sup> grade (5). General secondary: 8 year of schooling (6). Incomplete secondary: did not complete the full 10 years of schooling (7.) secondary (full) 10 years of schooling (8.) secondary vocational: some collage education (9.) incomplete higher: up to three year of study in an institution of higher education (10). Higher: 4 and more years of study in an institution of higher education or a graduation diploma/degree 11. Post graduate: has a scientific degree. Note, that the columns 5 to 9 should be filled in for the farmer, his wife and their children at age of 16 and more.

2.

**H1. I would like to make a complete list of all the members of your household, both present and absent. By saying a household I mean people who usually live together, share the same housekeeping and have the same budget. At first, I would like to write down the name of the head of the household, i.e. the person adopting primary decisions, then his spouse, their children and then other members of the household. Do not include the visitors.**

***To the Interviewer: Circle the number of respondent in the column of h/h members.***

***Questions from 5 to 9 should be asked for farmer, spouse and their children over 16 only.***

| No of h/h member | Household members and their relationship to the head of h/h  | Gender                   | Age (write down number) | If any of the household members who usually live here are currently absent, indicate by marking "1" in their row | During the last harvest, which people in the household were actively working in agriculture as their main activity? | Did any of your HH members have any paid work during the last month | How much was HH members' salary for the mentioned job in AMD? | Do the HH members receive any in-kind (non financial) payment? | What is the level of education completed? (from 16 years of age)   |
|------------------|--|--------------------------|-------------------------|--|---|---|---|--|--|
|                  | 1.head<br>2.spouse<br>3.son/daughter<br>4.son in law/ daughter in law<br>5.grandchild<br>6.father/mother of head / spouse<br>7.other relatives of the head<br>8. persons that do not have any relationship to the head | 1. male<br><br>2. female |                         |  | 1. Yes<br>2. No   | 1. Yes<br>2. No   |   | 1. Yes<br>2. No  | 1.non-educated<br>2.incomplete primary<br>3.primary<br>4.incomplete general secondary<br>5.general secondary<br>6.incomplete secondary<br>7.secondary (full)<br>8.secondary vocational<br>9.incomplete higher<br>10. higher<br>11. post-graduate |

**THANK YOU**

