



FARMING PRACTICES SURVEY
Round II 2008-2009

QUESTIONNAIRE N_o

Marz Code	Cluster/settlement code	Respondent ID	Interviewer Code	Questionnaire is valid Coordinator's signature

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.

Name of respondent

First Name, Middle Name, Last Name

Contacts of the respondent: phone number (code+number) _____
Mobile (code+number) _____

WUA code _____

Start time (hh/mm) _____

Date (day.month.year) _____

HOUSEHOLD DESCRIPTION

A. LAND AND LIVESTOCK

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

1. _____ years
2. Only ever cultivated a kitchen plot (then => A3)

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

Type of land	Area in sq.m
1. Own non-cultivated land	
2. Own cultivated land	
3. Rented land under cultivation	
4. Other cultivated land	
5. From which irrigated/watered land (including owned, rented, and other cultivated land)	

A3. Do you have a kitchen plot?

1. Yes
2. No (then => A6)

A4. How big is the plot and how much of it is cultivated and irrigated?

	Area in sq.m
1. Total size of the plot	
2. Cultivated	
3. Irrigated/watered	

A5. How do you water kitchen plot? (*all that apply*)

1. Irrigation water (pipeline/canal)
2. Deep or other well or drinking water (pipeline)
3. Exclusively natural sources, rivers/ rain water
4. Other (specify)_____

A6. Do you have livestock?

1. Yes, *to the Interviewer: fill in the table A7 below.*
2. No (then => B1)

A7. Information on households' livestock

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

Don't Know 96
Refused to Answer 97

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

B1. Crop production and utilization in the field (including kitchen plot) during the last year.

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

N	Item (Input Code using the Card 1)	1. In the field 2. In the kitchen plot 3. Both	How much was cultivated?	How much was irrigated/watered?	Total amount harvested in the last season	Of which:		
			<i>Fill in the responses for each type of crops in format which is specified in Card 1 (only one unit for each crop should be filled in: either sq.m, or number of trees).</i>	<i>Fill in the responses for each type of crops in format which is specified in Card 1 (only one unit for each crop should be filled in: either sq.m, or number of tree).</i>		How much was sold?	How much was bartered?	
			sq. m./ number of trees	sq. m./ number of trees	Using units specified in Card 1	Using units specified in Card 1	AMD	Using units specified in Card 1
	1	2	3	4	5	6	7	8
1.								
2.								
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								
11.								
12.								
13.								
14.								
15.								
16.								
17.								
18.								
19.								
20.								

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

Practice code	Used at the kitchen plot	Used at other land
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		

Don't Know 96
Refused to Answer 97

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

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

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. Because of land resting
10. Other (specify)_____

C. WATER USE

C1. How much of your cultivated land is watered through the following ways (not including your kitchen plot)?

1. Irrigation water (pipeline/canal)	sq. m
2. Deep or other well or drinking water (pipeline)	sq. m
3. Exclusively natural sources, rivers/ rain water	sq. m

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

1. Yes
2. No

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

1. Yes
2. No

C4. What irrigation practices did you use during the last agricultural season at your kitchen plot and at other land?

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

66. None of mentioned (then=>C6)

1. at the kitchen plot

2. at other land

C5. Did any of these practices help you save labor?

1. Yes
2. No

C6. Did you incorporate any agricultural practices that changed the way you use fertilizers or pesticides?

1. Yes
2. No

**Don't Know 96
Refused to Answer 97**

D. FARMING EXPENDITURES

D1.

N	Items	How much was spent on the mentioned items during the last season? AMD (or foreign currency expressed in AMD)	How much was spent on the mentioned items during the last season? <i>To the Interviewer: If items were bartered, write down 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	Seeds and seedlings		
6	Other major expenses (specify)		

E. Trainings

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

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

E2. Did you or anyone else in your household attend any of the trainings?

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

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

1. water use and irrigation
2. land cultivation and crop production
3. other (describe)_____

E4. Did the person(s) who attended receive a certificate at the end of training?

1. Yes
2. No

F. Agriculture Equipment

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

No	Equipment	Check if Yes owner	Check if Yes rent/borrow
		1	2
1	Trucks and Tractors		
2	Combine		
3	Seed planter		
4	Sprayer		

55. I don't have it

F2. Did you apply for agricultural credits during 2008 year?

1. Yes
2. No (then =>G1)

Don't Know 96
Refused to Answer 97

F3. What was (or was planned) the loan for? (*all that apply*)

1. Green house
2. Drip irrigation
3. Live-stock
4. Equipment (tractor, etc)
5. Seed and seedlings
6. other

F4. Did you receive credit during 2008 year?

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

F5. What did you use the credit for? (*all that apply*)

1. Green house
2. Drip irrigation
3. Live-stock
4. Equipment (tractor, etc)
5. Seed and seedlings
6. other

G. CONSUMPTION AND MONETARY INCOME OF HH MEMBERS

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

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

G2. How much was spent by your family for the following purposes last year?

<i>Cost Item</i>	<i>Drams</i>
1. Healthcare	
2. Education	
3. Other annual costs	

G3. How much monetary income did your household receive from the following sources last year?

<i>Income</i>	<i>AMD</i>
1. Pension	
2. Remittances from HH absent members (abroad or other RA cities)	
3. Giving for rent land, transport, other	
4. Other benefits (social)	

Don't Know 96
Refused to Answer 97

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 person who makes most of agricultural decisions in your household, 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 5 and 6 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 any stage of the last agricultural season, which people in the household were actively working in agriculture as their main activity? 1. Yes 2. No	What is the level of education completed? (from 16 years of age) 1.non-educated 2.incomplete primary 3.primary 4.incomplete general secondary 5.general secondary 6.incomplete secondary 7.secondary (full) 8.secondary vocational 9.incomplete higher 10. higher 11. post-graduate
	1.head 2.spouse 3.son/daughter 4.son in law/ daughter in law 5.grandchild 6.father/mother of head / spouse 7.sister/brother 8.other relatives of the head 9. persons that do not have any relationship to the head	1. male 2. female				
	1	2	3	4	5	6
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

Don't Know 96
Refused to Answer 97

I. OCCUPATION AND PAID JOBS OF HH MEMBERS

I. Did any of your hh members have any paid work during last year? Please, specify which of them. We would like to ask several questions about their occupation and jobs.
Should be asked for hh members over 16 only.

66. No one

No of h/h member having job during last year (using Codes from column "No of h/h member" of H1)	Mainly what kind of job it was? 1. Agricultural work for others inside the village 2. Agricultural work for others outside the village 3. Non-agricultural work inside the village 4. Non-agricultural work outside the village 5. Other (specify)	Was that job: 1. full time monthly paid job 2. one-time short-term job 3. periodical short-term job 4. Other	In which of the following sectors your hh members were mostly involved for their non-agricultural jobs? 1. Construction 2. Transportation 3. Food and service sector 4. Trade 5. Crafts 6. Education 7. Healthcare 8. Village Mayor Office/ WUA/ other community services 9. Armed Forces 10. NGO sector 11. Other	How much was earned during last year by your household members having any paid jobs in AMD?	If the HH members received any in-kind (non financial) payment for that job, how much was earned valued in AMD during last year? <i>Write down the amount of in-kind payment in AMD.</i> <i>55. Received in-kind payment: Value unknown</i>
1	2	3	4	5	6

Thank you for cooperation.

End time (hh:mm)_____

CARD 1

Code	Crop	Cultivation, irrigation units	Selling units
1.	Wheat	sq.m	t.
2.	Emmer Wheat	sq.m	t.
3.	Barley	sq.m	t.
4.	Maize	sq.m	t.
5.	Apple	number of trees	t.
6.	Grape	sq.m	t.
7.	Peach	number of trees	t.
8.	Appricot	number of trees	t.
9.	Pear	number of trees	t.
10.	Prunes	number of trees	t.
11.	Plum	number of trees	t.
12.	Fig	number of trees	t.
13.	Pomegranate	number of trees	t.
14.	Sweet Cherry	number of trees	t.
15.	Cherry	number of trees	t.
16.	Cornel	number of trees	t.
17.	Quince	number of trees	t.
18.	Water melon	sq.m	t.
19.	Melon	sq.m	t.
20.	Pumpkin	sq.m	t.
21.	Lemon	number of trees	t.
22.	Malta orange	number of trees	t.
23.	Walnut, hazelnut	number of trees	t.
24.	Strawberry	sq.m	t.
25.	Tomato	sq.m	t.
26.	Cucumber	sq.m	t.
27.	Eggplant	sq.m	t.
28.	Pepper	sq.m	t.
29.	Cabbage	sq.m	t.
30.	Carrot	sq.m	t.
31.	Squash	sq.m	t.
32.	Onion	sq.m	t.
33.	Garlic	sq.m	t.
34.	Potato	sq.m	t.
35.	Red beet	sq.m	t.
36.	Sunflower	sq.m	t.
37.	Haricot	sq.m	t.
38.	Tobacco	sq.m	t.
39.	Sorgo	sq.m	bunches
40.	Greens (coriander, basil, parsley, tarragon, etc.)	sq.m	bunches
41.	Grass (natural)	sq.m	t.
42.	Planting Stock	number	number
43.	Flowers	sq.m	pieces
44.	Gramma or other special feed	sq.m	t.
45.	Other fruits (specify)	Specify	Specify
46.	Other vegetables (specify)	specify	Specify

Card 2

- 1. Used high quality seeds and seedlings**
- 2. Received more than one yield per year in open field**
- 3. Performed mixed planting**
- 4. Used plastic greenhouse or plastic tunnel to change the time of the yield**
- 5. Planted dwarf root stock or trees**
- 6. Cultivated non-traditional vegetables**
- 7. Improved the land preparation practice before cultivation**
- 8. Improved post-planting (cultivation) practice**
- 9. Improved cultivation practices for perennial seedlings**
- 10. Did not use pesticides/herbicides banned in the RA**
- 11. Kept the pesticides/herbicides in a separate place**
- 12. Wore protecting means while working with pesticides/herbicides (glove, eyeglasses, etc)**
- 13. Have used organic inputs for fertilizers and pesticides**
- 14. Other (specify)**
- 15. None of the above**

CARD 3

- 1. Appropriate preparation of irrigated land for irrigation (cleaning the land from stones, slope verification, weeding, etc)**
- 2. Verifying/modifying furrow geometric parameters (length, depth, width)**
- 3. Have lined the ditch with polyethylene**
- 4. Siphons**
- 5. Plastic or metal dams**
- 6. Gated pipes**
- 7. Spiles with gates**
- 8. Hydrants**
- 9. Sprinkler irrigation**
- 10. Micro sprinkler irrigation**
- 11. Drip irrigation**
- 12. Soil moisture measurement device (watermark, tensiometer or other)**
- 13. ET gage**
- 14. Water metering at the beginning of the land plot (YAGYUS or V-notch)**
- 15. Other (specify)**