



DATA COMPLETION FINAL REPORT
FARMING PRACTICES SURVEY 2007-2008

ANNEX 1
SURVEY INSTRUMENTS

Questionnaire
Card 1
Card 2
Card 3

YEREVAN 2008

FARMING PRACTICES SURVEY

Marz Code	Cluster/settlement code	Respondent current number	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 (telephone) _____

Start time _____

End time _____

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

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	

A3. Do you have a kitchen plot?

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

A4. How big is the plot?

_____ sq.m

A5. How do you water kitchen plot?

1. Mainly well or drinking water
2. Mainly irrigation water
3. Mainly 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
1	Cow	
2	Pig	
3	Sheep and goat	

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

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

88.111

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

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

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

- Yes
- 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. Other (specify)_____

C. WATER USE

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

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

1. Yes
2. No

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

1. Yes
2. No

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)

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

1. Yes
2. No

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

1. Yes
2. No

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

1. Yes
2. No

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 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

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)

E2. Did you 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. Classroom training
2. Farm demonstration training
3. Video or computer in the classroom
4. Exchange of experience
5. Some other kind of training (describe)_____

E4. Did you 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
		1	2
1	Trucks and Tractors		
2	Combine		
3	Seed planter		
4	Sprayer		
5	Artesian well or tank		

55. I don't have it

F2. Did you take credit during the last season?

- Yes, amount (AMD) _____
- No (then =>G1)

F3. From whom did you receive the credit?

- Bank
- State guaranteed project
- International organization
- Parents
- Friends or others
- Other (specify) _____

G. CONSUMPTION AND MONETARY INCOME OF HH MEMBERS

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>)	

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>
1. Pension	
2. Remittances from HH absent members (abroad or other RA citizens)	
3. Other benefits (social)	

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 1.head 2.spouse 3.son/daughter 4.son in law/ daughter in law 5.grandchild 6.father/mother of head / spouse 7.other relatives of the head 8. persons that do not have any relationship to the head	Gender 1. male 2. female	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? 1. Yes 2. No	Did any of your HH members have any paid work during the last month 1. Yes 2. No	How much was HH members' salary for the mentioned job in AMD?	Do the HH members receive any in-kind (non financial) payment? 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	2	3	4	5	6	7	8	9
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									

Thank you for cooperation.

CARD 1

- 1. Wheat**
- 2. Barley**
- 3. Maize**
- 4. Apple**
- 5. Grape**
- 6. Peach**
- 7. Appricot**
- 8. Pear**
- 9. Prunes**
- 10. Plum**
- 11. Fig**
- 12. Pomegranate**
- 13. Sweet Cherry**
- 14. Cherry**
- 15. Cornel**
- 16. Quince**
- 17. Water melon**
- 18. Melon**
- 19. Pumpkin**
- 20. Lemon**
- 21. Malta orange**
- 22. Walnut, hazelnut**
- 23. Strawberry**
- 24. Tomato**
- 25. Cucumber**
- 26. Eggplant**
- 27. Pepper**
- 28. Cabbage**
- 29. Carrot**
- 30. Squash**
- 31. Onion**
- 32. Garlic**
- 33. Potato**
- 34. Red beet**
- 35. Sunflower**
- 36. Haricot**
- 37. Tobacco**
- 38. Greens (coriander, basil, parsley, tarragon, etc.)**
- 39. Grass (natural)**
- 40. Gramma or other special feed**
- 41. Other fruits**
- 42. Other vegetables**

Card 2

- 1. Used non-organic fertilizers**
- 2. Used pesticides or other plant protection material**
- 3. Bought high quality seeds**
- 4. Transplanted from a seed bed to the field or from a nursery to a field**
- 5. Changed time of seeding**
- 6. Produced two or more crops per year**
- 7. Introduced new crops, new trees, or an orchard you had not grown last year**
- 8. Introduced new varieties of crops**
- 9. Changed the way you cultivate or weed (timing, frequency, technique)**
- 10. Used "organic" practices**
- 11. Used plastic greenhouse or plastic tunnel during crop production**
- 12. Planted dwarf root stock or trees**
- 13. Pruned (fruit or nut trees)**
- 14. No**

CARD 3

- 1. Verifying/modifying furrow row spacing**
- 2. Scientific scheduling of when to irrigate, such as**
 - 2.1. Soil moisture sensors (Watermark)
 - 2.2. Tensiometers
 - 2.3. ET gauge
- 3. Water meters (water pressure measuring devices)**
- 4. Non-pressure/ pipe irrigation**
 - 4.1. Plastic or metal dams
 - 4.2. Siphon tubes
 - 4.3. Short pipes with valves
 - 4.4. Gated pipes
 - 4.5. Other (specify)
- 5. Pressure irrigation**
 - 5.1. Undertree high pressure spray
 - 5.2. Drip irrigation
 - 5.3. Micro sprinklers