

HOUSEHOLD SURVEY QUESTIONNAIRE

2018 Follow-up: Testing Innovative Models of Agricultural Extension in ASPIRE

A. Geographical Information (to be completed by interviewer before the interview)		
A1	Province/City:	Code (2-digit):
A2	District/Khan:	Code (2-digit):
A3	Commune/Sangkat:	Code (2-digit):
A4	Village/Krom:	Code (2-digit):
A5	Household ID:	Code (2-digit):
A6	ASPIRE member:	1. Yes 2. No

B. Household Information ((to be completed by the interviewer)				
B1	Household Head's name:	B1b. Name of husband/wife:		
B2	Sex of Household Head: 1= Male 2 = Female			
B3	Household phone (Farmer):			B3a. Member ID:
B4	1. Non IDPoor: 2. IDPoor Household		B4a. 01 = IDPoor Card 02 = Other Social Equity card 03 = No card for assistance	
B6	Household type Farmer? (Multiple answers)	1. Growing rice Have grown rice for the whole season last year	2. Home gardening Preparing land and/or watering the plants	3. Raising chickens Have at least 5 chickens (chickens must weigh 0.5kg or above, not fighting cock)

C. Interviewer/Interviewee Information (to be completed by the interviewer)		
C1	Interviewee's name:	
C2	Sex (Interviewee): 1= Male 2 = Female	
C3	Phone number (Interviewee):	
C4	Interviewer's name:	Code:
C5	Date (dd/mm/yyyy):	
C6	Time started:	Time Completed:

D. Quality Control Record		
D1	Team leader's name:	Code:
D2	Date checked (dd/mm/yyyy):	Signature:
D3	Data Entry Name:	Code:
D4	Date of Data Entry:	Signature:

1. A. HOUSEHOLD INFORMATION (Based on 2017 roster)

Note

- 1) Use the household roster from the baseline and determine whether these persons are still part of the household. Use the same person IDs in the baseline.
- 2) To determine whether an individual is part of a household consider the following:
 - a. "Household" refers to those who are living in the same house and sharing the same food. If they live in the same house but cook and eat separately, they should be considered as different households.
 - b. To be counted as a household member the person must have been present in the household in the last six months (since Sept 2017). If the person has not been present in the house at all since Sept 2017, then he/she is not counted as a household member.

Please fill in the information on all household members below:

ID	Name	Sex 1=male 2=female	Age (year) Write '0' if less than one year	Relationship to household head (code)	Marital status Only for members aged 15 and above (code)	Is [NAME] still a member of the household? Yes (» 08) No	[If the person is NOT a member of the household...] Why? (» Next Member)	Off-farm salaried employment activities (activity during the past 12 months), aged from 10 years			
								Primary		Secondary	
								What was main occupation ?	Total income for last 12 month (0000 riels)	What was second occupation? (code)	Total income for last 12 month (0000 riels)
1	2	3	4	5	6	7A	7B	8	9	10	11
01											
02											
03											
04											
05											
06											
07											
08											
09											
10											
11											
12											
13											
14											
15											
9999 Total											

Code 5: Relationship to the head: 1=Head, 2= Spouse, 3= Son/daughter, 4=Stepchild, 5=Adopted child, 6=Parent, 7=Sibling, 8=Grandchild, 9=Niece/nephew, 10=Son/daughter-in-law, 11=Brother/sister-in-law, 12=Parent-in-law, 13=Others

Code 6: Marital Status: 1=married/living together, 2=divorced/separated, 3=widowed, 4=single

Code 7B: 1. Death; 2. Moved for a new job / work opportunity; 3. Marriage, divorce, monk; 4. Moved to attend school; 5. Other (specify)

Code 8 & 10: Use Code NIS

1. B. HOUSEHOLD INFORMATION (New Members)

Note

- 1) Please include any new members in the household that were not previously registered in the 2017 round
- 2) Follow the household definitions above to determine whether there are any new members.

Q1. Are there any new members in the household?	Yes.... 1 No 2 (» Next Section)
---	---

Please fill in the information of the

ID	Name	Sex (code)	Age (year) Write '0' if less than one year	Relationship to household head (code)	Marital status Only for members aged 15 and above (code)	From where did this person move? (code)	What is the main reason that this is new member of this household? (code)	Off-farm employment activities (activity during the past 12 months), aged from 10 years			
								Primary		Secondary	
								What was main occupation? (code)	Total income for last 12 month (0000 riels)	What was second occupation? (code)	Total income for last 12 month (0000 riels)
01	02	03	04	05	06	07A	07B	08	09	10	11
9999	Total										

- Code 03:** Sex: 1= Male 2=Female
- Code 05:** Relationship to the head: 1=Head, 2= Spouse, 3= Son/daughter, 4=Stepchild, 5=Adopted child, 6=Parent, 7=Sibling, 8=Grandchild, 9=Niece/nephew, 10=Son/daughter-in-law, 11=Brother/sister-in-law, 12=Parent-in-law, 13=Others
- Code 06:** Marital Status: 1=married/living together, 2=divorced/separated, 3=widowed, 4=single
- Code 07A:** 1 =New Born , 2 = Another HH in the Commune, 3 = Another HH outside the Commune in the same Province, 4 = from Phnom Penh, 5 = Another Province, 6 = Another country (Specify)
- Code 07B:** 1. Born; 2. Moved for a new job / work opportunity; 3. Moved due to personal reasons (marriage, divorce, etc.); 4. Moved to attend school; 6. Temporary Migrant- Return from School/Work; 7. Other (**specify**)
- Code 08 & 10: Use Code NIS**

2.A. HOUSEHOLD CONSUMPTION [Food, Beverage, and Tobacco Consumption]Please provide the information on food, beverage and tobacco consumption during the past 7 Days.

No	Item	1. Purchase (in 0000 Riels)	2. Own produce (gift & free collection) (in 0000 Riels)
01	Rice (all kind of rice to be included)		
02	Cereal (bread, corn, wheat flour, rice flour, corn meal, rice cakes, noodles, etc.)		
03	Fish (fresh fish, salted and dried fish, canned fish, shrimp, prawn, crab, etc.)		
04	Meat & poultry (beef, buffalo, mutton, lamb, pork, chicken, duck, etc.)		
05	Eggs (chicken egg, duck egg, salted egg, etc.)		
06	Dairy product (fresh milk, condensed milk, ice cream, etc.)		
07	Oil and fats (rice bran oil, vegetable oil, pork fat, butter, coconut oil, etc.)		
08	Fresh vegetable (trakun, onion, shallot, cabbage, carrot, chili, tomato, moringa leave, amaranth, etc.)		
09	Tuber (cassava, sweet potato, potato, taro, bamboo shoots, etc.)		
10	Pulses and legumes (green gram, bean sprout, etc.)		
11	Prepared and preserved vegetable (cucumber pickles, other pickles, tomato paste, etc.)		
12	Fruit (banana, orange, mango, pineapple, lemon, durian, water melon, grape, apple, etc.)		
13	Dried nuts and edible seeds (coconut, cashew nut, peanut, etc.)		
14	Sugar, salt and spices (sugar, jiggery, salt, candy, red pepper, garlic, soy source, fish source, etc.)		
15	Tea, coffee and cocoa		
16	Non-alcoholic beverage (can or bottled soft drink, mineral water, fruit juice, etc.)		
17	Alcoholic beverage (beer, wine, whisky, etc.)		
18	Tobacco		
19	Other food products peanut preparation, flavored ice, ice, etc.)		
20	Prepared meals bought outside and eaten at home		
21	Prepared meals bought outside and eaten at home		
9999	Total		

2.B. HOUSEHOLD CONSUMPTION [Non-food Consumption]

Please provide the information on non-food consumption within the time period specified below:

No	Item	Time period	1. In-cash expenditure (in '0000 riels)	2. In-kind expenditure (in '0000 riels)
01	Medical care (doctors' fees, other medical services, drugs, hospital charges, other medical supplies, etc.)	Last 1 month		
02	Transportation (personal transport equipment, operation of transport equipment, maintenance and repair of equipment, gasoline and diesel for own	Last 1 month		
03	Communication (postage stamps, fax, telephone and internet phone charges, cell phones, phone cards, internet charges etc.)	Last 1 month		
04	Personal care (soap, toothpaste, razor, sanitary napkins, haircut, manicure, etc.)	Last 1 month		
05	Clothing and footwear (tailored clothes, ready-made clothes, rain clothes, underwear, baby clothes, diapers, hats, shoes, boots, etc.)	Last 6 months		
06	Furniture, furnishings and household equipment and operation (curtain, household appliances, cooking utensils, light bulbs, soap and detergents etc.)	Last 12 months		
07	Domestic salaries (servant's salary, hired labour for cleaning, laundry, cooking etc.)	Last 12 months		
08	Recreation within Cambodia (entertainment services, recreational goods and supplies, tourist travel, hotel accommodation)	Last 12 months		
09	Recreation abroad (entertainment services, recreational goods and supplies, tourist travel, hotel accommodation)	Last 12 months		
10	Education (school fees, textbooks, private tutoring charges, uniforms, etc.)	Last 12 months		
11	Personal effects (costume/gold jewelry, handbags, wallets, wristwatch, clocks, umbrella)	Last 12 months		
12	Gambling (lottery, sports and animal betting: casino gambling, card games, football, boxing, cockfighting etc.)	Last 12 months		
13	Miscellaneous items (special occasions as funeral rituals, weddings, parties, cash gifts, charity, etc.)	Last 12 months		
9999	Total(1-13)			

3. INVENTORY OF LAND OWNERSHIP AND LAND USE

Enumerator: In reference to last season, identify the plots, both residential and agricultural, where the household does agricultural and vegetable production, and ask the questions in the table for each.

Plot #	Plot name/ Location	What type of plot is this? 1=Residential 2=Agricultural	What is the tenancy status of this plot? (codes)	If rented, how much did you pay for this plot last season? (0000 Riels)	Plot area		Does your soil have any mineral deficiencies? 1. No. It does not. 2. Yes, it does. 3. Do not know (>08)	Do you know the specific deficiencies that your soil in this plot has? 1. Yes, knows 2. No, does not know. (>08)	Does the soil in this plot have deficiencies related to... ?						Was this field cultivated in the last WET SEASON? 1=Yes 2=No (> 10)	Crops cultivated in the last WET SEASON. (See Codes)			Was this field cultivated in the last DRY SEASON? 1=yes 2=no (> next plot)	Crops cultivated in the last DRY SEASON. (See Codes)		
					Area (as reported)	Area (codes)			Urea?	Phosphorus / DAP?	Nitrogen?	Iron?	Compost?	Other? (specify)		09a	09b	09c		10	11a	11b
01	02	03	04	05	06	07	n08	n09	n10a	n10b	n10c	n10d	n10e	n10f	08	09a	09b	09c	10	11a	11b	11c
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9999. Total																						

Code 04 tenancy status: 1= Owner operated 2= Rented in (cash) 3= Sharecropped in 4= Borrowed (no payment) 5= Rented out (cash) 6= Sharecropped out 7= Lending out (no payment) 8= Other (specify)

Code for crops 9a-c & 11a-c: 1= Wet Rice (harvested Oct. 2017-Jan.2018) 2= Dry Rice (harvested Dec 2017-March.2018) 3= Vegetables 4= Other crops 5= Early wet rice (harvested Jul-Sep 2017)

6= Early wet rice (harvested March- June 2018)

Code for area 07: 1. m² = 0.0001 ha 2. A = 0.01ha 3. Kong = 0.09 ha 4. Rai = 0.16 ha 5. ha

4. RICE PRODUCTION, SALES AND THE USE OF INTERMEDIATE INPUTS, FACTORS IN THE LAST COMPLETED SEASON

ENUMERATOR: Identify in section 3, the Plots with WET RICE planted, and list the PLOT #s in the Table below (first column). Then, for each Plot planted with WET RICE, ask the questions in Table 4A below.

4A. Land, Intermediate Inputs, Labor use in WET RICE Plots

Plot #	Area with Rice		Use of Seed				Use of Fertilizer									
			Did you use improved rice seed variety? 1=Yes 2=No	What quantity of seed did you plant? (Kg)	Quantity and Price		How much of NPK did you use? (kg)	Quantity and Price of NPK		How much Of Urea did you use? (kg)	Quantity and Price of Urea		How much Of Compost did you use? (kg)	Quantity and Price of Compost		How much of Animal Manure did you use? (kg)
	Cultivated area (ha)	Harvested area (ha)			Buying Quantity (Kg)	Buying Price 0000 Riels		Buying Quantity (Kg)	Buying Price 0000 Riels		Buying Quantity (Kg)	Buying Price 0000 Riels		Buying Quantity (Kg)	Buying Price 0000 Riels	
4A01	4A02	4A03	4A04	4A05	4A06		4A07	4A08		4A09	4A10		4A11	4A12		4A13
					a	b		a	b		a	b		a	b	
9999. Total																

4A. Land, Intermediate Inputs, Labor use in WET RICE Plots (Continue)

Plot #	Pesticides/Weedicides				How many people did you hire and how much did you pay for the following tasks this season?								Other inputs How much in total? (Oil, diesel, water, etc) or rented equipment? (0000 Riels)	How much Wet Season Paddy Rice did you harvest? (Kg)
	How much pesticides/weedicides did you use?		Quantity and Price		Land preparation; canal cleaning/repair		Seeding or Planting		Weeding		Harvesting & threshing			
	Quantity	Unit 1. Liter 2. Kg	Buying Quantity (kg or liter)	Buying Price 0000 Riels)	a. Total working days b. Expenditure (0000'riel)		a. Total working days b. Expenditure (0000'riel)		a. Total working days b. Expenditure (0000'riel)		a. Total working days b. Expenditure (0000'riel)			
4A01	4A14		4A15		4A16		4A17		4A18		4A19		4A20	4A21
	a	b	a	b	a	b	a	b	a	b	a	b		
9999. Total														

DRY SEASON RICE

ENUMERATOR: Identify in section 3, the Plots with DRY RICE planted, and list the PLOT #s in the Table below (first column). Then, for each Plot planted with DRY RICE, ask the questions in Table 4B below.

4B. Land, Intermediate Inputs, Labor use in DRY RICE Plots

Plot #	Area with Rice		Use of Seed				Use of Fertilizer						How much of Animal Manure did you use? (kg)			
			Did you use improved rice seed variety? 1=Yes 2=No	What quantity of seed did you plant? (Kg)	Quantity and Price		How much of NPK did you use? (kg)	Quantity and Price of NPK		How much Of Urea did you use? (kg)	Quantity and Price of Urea			How much Of Compost did you use? (kg)	Quantity and Price of Compost	
	Cultivated area (ha)	Harvested area (ha)			Buying Quantity (Kg)	Buying Price 0000 Riels)		Buying Quantity (Kg)	Buying Price 0000 Riels)		Buying Quantity (Kg)	Buying Price 0000 Riels)			Buying Quantity (Kg)	Buying Price 0000 Riels)
4B01	4B02	4B03	4B04	4B05	4B06		4A07	4B08		4B09	4B10		4B11	4B12		4B13
					a	b		a	b		a	b		a	b	
9999. Total																

4B. Land, Intermediate Inputs, Labor use in Dry RICE Plots (Continue)

Plot #	Pesticides/Weedicides				How many people did you hire and how much did you pay for the following tasks this season?								Other inputs How much in total? (Oil, diesel, water, etc) or rented equipment?) (0000 Riels)	How much DRY Season Paddy Rice did you harvest? (Kg)
	How much pesticides/weedicides did you use?		Quantity and Price		Land preparation; canal cleaning/repair		Seeding or Planting		Weeding		Harvesting & threshing			
	Quantity	Unit	Buying Quantity (kg or liter)	Buying Price 0000 Riels)	a. Total working days b. Expenditure (0000'riel)	a. Total working days b. Expenditure (0000'riel)	a. Total working days b. Expenditure (0000'riel)	a. Total working days b. Expenditure (0000'riel)	a. Total working days b. Expenditure (0000'riel)	a. Total working days b. Expenditure (0000'riel)	a. Total working days b. Expenditure (0000'riel)	a. Total working days b. Expenditure (0000'riel)		
1. Liter		2. Kg												
4B01	4B14		4B15		4B16		4B17		4B18		4B19		4B20	4B21
	a	b	a	b	a	b	a	b	a	b	a	b		
9999. Total														

4.C.SALES OF RICE IN THE LAST 12 MONTHS

ENUMERATOR: Ask the questions in the table below with respect to the total sales of wet season rice and dry season rice. Note that the sales should be from the production from all plots identified plots in 4.A and 4.B.

Rice Type and Code		Did you sell [RICE TYPE] in the past 12 months? 1=Yes 2=No (Skip to next rice type)	How much [RICE TYPE] did you sell?				How much did you get in total from sales of [RICE TYPE]? (‘0000 Riels)	
	code		Amount (Kg)	Month of selling rice				Unit price (Riel/kg)
Rice Type	4C01	4C02	4C03a	4C03b1	4C03b2	4C03b3	4C03c	4C03d
WET SEASON RICE (at farm gate)	1							
WET SEASON RICE (at collection point)	2							
EARLY WET SEASON RICE (at farm gate)	3							
EARLY WET SEASON RICE (at collection point)	4							
DRY SEASON RICE (at farm gate)	5							
DRY SEASON RICE (at collection point)	6							
Total	9999							
		Code 03b1-3: 1= January, 2=February, 3=March, 4=April, 5=May, 6=June, 7=July, 8=August, 9=September, 10=October, 11=November, 12=December						

5.D. KNOWLEDGE AND AGRICULTURAL PRACTICES FOR RICE

1. How many times would you ideally like to apply fertilizer in your rice plots per wet season? Put "999" if does not grow wet season rice.
- 1a. How many days after **wet season rice seeds** are sown should you apply fertilizer for the first time?
2. How many times would you ideally like to apply fertilizer in your rice plots per dry season? Put "999" if does not grow dry season rice.
- 2a. How many days after **dry season rice seeds** are sown should you apply fertilizer for the first time?

ENUMERATOR: Use the supplementary booklet. Show the respondent each set of pictures with rice diseases and ask the following questions.

Card #	Can you identify this disease? 1. Yes (» Continue) 2. No (» Next disease)	Name of the disease?	Do you know how to prevent this disease? 1. Yes 2. No (»5)	Name one practice to prevent this disease	Do you know how to treat this disease? 1. Yes 2. No (»7)	Name one practice to treat this disease	Were you affected by [DISEASE] during the last year? 1. Yes 2. No (»Next disease)	What percentage of your rice was affected by this disease?	
								Wet season rice	Dry season rice
	01	02	03	04	05	06	07	08	09
3									
5									
6									
7									
9									

5D.10 Now we want to know about what are some of the steps you take to increase the production or take care of your RICE.

	Answer
1. How many times before broadcasting your seeds do you plough your field?	
2. If 5D.10.1 = 1 skip to 5D.10.3 How much time in between plowings do you wait?	
3. How much time do you wait between the last plowing and the seed broadcasting?	
4. How many days do you spend cleaning and preparing your seeds before seed broadcasting?	
5. Do you use hot/boiling or cold water to soak your seeds before drying? 1. Hot 2. Cold 3. Does not know 4. N/A	
6. How many times during the season do you remove weeds from within your paddy field and on the dikes surrounding your field?	
7. Do you apply fertilizer when your field is ____? 1. Dry 2. Wet 3. Both 4. Does not know	
7a. If 7=2 or 3, How high is the water in your field when you apply fertilizer? Scale (cm)	
8. Do you apply urea when your field is ____? 1. Dry 2. Wet 3. Both 4. Does not know	
8a. If 8=2 or 3, How high is the water in your field when you apply urea? Scale (cm)	
9. Do you apply pesticides and herbicides when your field is ___? 1. Dry 2. Wet 3. Both 4. Does not know 5. Does not apply (» section 6)	
9a. If 9=2 or 3, How high is the water in your field when you apply pesticides or herbicides? Scale (cm)	
10. At what time of the day do you usually apply pesticides and herbicides? 1. Early Morning 2. Afternoon/Middle of the day 3. Late afternoon 4. Other (Specify)	
11. When applying chemicals, do you use any protective gear? 1. Yes (» 11b) 2. No (» 11a) 3. Hire someone to do (» section 6)	
11a. If no, Why not?	
1. Does not have gear	
2. Does not know what is needed	
3. Other (Specify)	
11b. If yes, what gear do you use (Select all that apply)	
1. Hat	2. Goggles
3. Mask	4. Plastic gloves
5. Long sleeves shirt	6. Long pants
7. Boots	8. Other (specify)

6. VEGETABLE PRODUCTION, SALES AND USE OF INPUTS IN THE LAST 12 MONTHS
ENUMERATOR: If the household planted any type of VEGETABLES in the plots enumerated in Section 3, the tables below (6.A and 6.B) should be filled out.

6.A. VEGETABLE PRODUCTION AND SALES

Vegetable Type and Code			Did you grow [VEGETABLE TYPE] in the last 12 months? 1=Yes 2=No(skip to next [VEGETABLE TYPE])	Was this [VEGETABLE TYPE] grown in a home garden? 1=Yes 2=No	What was the total area planted with [VEGETABLE TYPE]?		Quantity Produced of [VEGETABLE TYPE]?		Sales of [VEGETABLE TYPE]?	
Plot ID		Code			Area (as reported)	Area (See converter code below)	Quantity (Kg)	Type of unit (Riel/Kg)	Did you sell [VEGETABLE TYPE] in the last 12 months? 1=Yes 2=No(skip to Next Type)	How much did you get in total from sales of [VEGETABLE TYPE]? (0000 Riels)
6A01	Vegetable Type	6A02	6A03	6A04	6A05a	6A05b	6A06	6A07	6A08	6A09
	Cabbage	1								
	Water convolvulus	2								
	Lotus	3								
	Garlic	4								
	Aromatic edible herbs	5								
	Tomato	6								
	Eggplant	7								
	Wax gourd	8								
	Large smooth fibrous type of gourd	9								
	Bitter gourd	10								
	Cucumber	11								
	Pumpkin	12								
	Lettuce	13								
	Radish	14								
	Long green beans	15								
	French beans	16								
	Taro	17								
	Green/sweet pepper	18								
	Mushroom	19								
	Amaranth	20								
	Water hyacinth	21								
	Water mimosa	22								
	Cratavea plant	23								
	Chinese Kale flower	24								
	Chinese Kale leaf	25								
	Total	9999								

Converter to ha for column 6A05b: 1= m² = 0.0001 ha, 2= Ar = 0.01 ha, 3= Kong=0.09ha 4= Rai = 0.16 ha, 5=ha

6.B. USE OF INPUTS IN VEGETABLE PRODUCTION

ENUMERATOR: If the household produced any type of VEGETABLES (6A), the table below should be filled out. It refers to the use of inputs with respect to vegetable crops. The spending figures should be related to inputs used in the aggregate (for all crops).

Input Type and code		Did you use [INPUT TYPE] in vegetable production this past season? 1=Yes 2=No (skip to Next Type)	How much did you use for this [Input Type]? (Kg or Litre)	How much did you pay for the total quantity purchased?	
	Code			Purchased Quantity (kg)	Purchased price('0000 Riels)
Input Type	6B01	6B02	6B03	6B04a	6B04b
Seeds/Seedlings (Kg)	1				
Seedlings (kg)	2				
Chemical fertilizer – NPK (Kg)	3				
Chemical fertilizer – Urea (Kg)	4				
Compost (Kg)	5				
Manure (Kg)	5a				
Pesticide (cc /ml / g)	6				
Total	9999				

6C Now we want to know about what are some of the steps you take to increase the production or take care of your Vegetables (For Vegetable farmers only)

	Answer
1. Have you produced seedlings for the vegetables you produce in the last 12 months? 1. Yes 2. No (x 3)	
2. Have you produced seedlings for Cucumber, or Long beans in the last 12 months? 1. Yes 2. No	
3. At what time of the day do you usually water your vegetables? 1. Morning 2. Noon 3. Afternoon 4. Evening	
4. How often do you apply chemical fertilizer for your vegetables? 1. Once per day 2. Once every 7 days 3. Once every 15 days 4. Twice during the season 5. Other (Specify) 6. Do not apply chemical fertilizer	
5. Which diseases or pest did your vegetables suffer from last season? (Select all that apply. Do not read options)	
1. Yellow leaf 2. Aphid	
3. Red Spider 4. Worms	
5. Other (Specify) 6. None	
7. Does not know	
6. What did you do to prevent it or treat it? (Select all that apply) (Do not read options)	
1. Ensure that the distance between rows was wide enough 2. Expand size of hole for transplanting seedlings	
3. Remove weeds regularly 4. Remove leaves with yellow dots	
5. Buried leaves in the ground 6. Burned leaves	
7. Burned worms 8. Spray with chemicals (Which?)	
9. Control the amount of water 10. Other (Specify)	
11. Did not do anything	
7. Do you know how to prevent and treat thrips in your vegetables? (Select all that apply. Do not read options)	
1. Cover seedling with net 2. Select only healthy seedling for transplanting	
3. Burn weed/grass and remains of your vegetable 4. Trap the thrips with blue sticky blue	
5. Does not know the insect 6. Does not know how to prevent it	
7. Other (specify)	

7. PRODUCTION AND SALES OF OTHER CROPS

ENUMERATOR: List in the Table below ALL OTHER CROPS listed in the plot inventory in Section 3. Check with the respondent if the list is complete or there are any other crops not listed in Section 3 but that the household produced. Cross-check carefully and correct Section 3 as needed.

Other Crop Type and Code			How much did you produce of [CROP]?		Sales of Other Crops	
Plot ID	Other Crop Names	code	Quantity (Kg)	Unit (Riel/Kg)	Did you sell [CROP] this past season? 1=Yes 2=No (skip to Next Type)	How much did you get in total from sales of [CROP]? (0000 Riels)
01		02	03a	03b	04a	04b
	Total	9999				

02 – Other Crop Codes: Adopt codes from NIS on additional separate page.

8. POULTRY PRODUCTION, SALES, INPUT USE IN THE LAST COMPLETED PRODUCTION CYCLE**8.A1. Has your household or anyone in your household had any CHICKENS, in the past 12 months?**

1=Yes (ask question below) 2=No (skip to next section 9A)

8.A2. How do you keep chickens?

1= Improved Chicken Coop (where chickens live and stay)

2 = in yard near house

3= Chickens roam free and come in at night

4 = other (specify) _____

8.B. POULTRY PRODUCTION AND SALES

ENUMERATOR: List in the Table below all the chickens the household report having raised during the last production cycle. Then, for each species, ask the questions regarding production and sales.

SERIAL NUMBER	Type of animal or bird	How many chickens do you currently own? (weight from 0.5 kg and above)	Of the chickens, currently owned how many are female birds?	What would be the total sales value of ..[LIVESTOCK].. currently owned?	Number of ...[LIVE STOCK].. owned 12 months ago, that is [in MONTH] last year?	Number of chickens consumed by household in the past year	Number of chickens lost or died from disease in the past year?	Number of chickens sold in the past year	Total sales value of chickens sold in the past year
		If none, write '0'	If none, write '0'	Write '0' if nothing		If none, write '0'	If none, write '0'	If none write '0'	Write '0' if nothing
		NUMBER	NUMBER	0000 RIELS	NUMBER	NUMBER	NUMBER	NUMBER	0000 RIELS
8B01	8B02	8B03	8B04	8B05	8B06	8B07	8B08	8B09	8B10
01	Chickens								
02	Chicks								
03	Eggs								

8.C. POULTRY INPUTS AND OUTPUTS

No.	ITEMS	How much did your household spend on the following items during the past 12 months? Write '0' if nothing
		AMOUNT IN 0000 RIELS
8C01	8C02	8C03
1	Feed and feed supplements (e.g. rice straw) for chickens - purchased	
2	Feed and feed supplements (e.g. rice straw) for chickens - supplied from home farm/public land	
3	Hired labour to care for chickens (cash plus kind)	
4	Veterinary services and medicine	
5	Service /technical support from government/other agencies	
6	Transporting chickens, chickens products, feed and feed supplements to/from market	
9999	TOTAL 1 - 6:	

8D. Poultry knowledge and practices (for chicken family)

1	In the last 12 months, did you vaccinate your healthy chicken regularly? 1. Yes 2. No	
2	In the last 12 months what issues or problems did you have when raising your chickens? (Mark all that apply)	
	1. disease outbreak 2. low price in the markets	
	3. lost/theft 4. low reproduction/fewer chicks 5. No problems (» 5) 6. Other 2 (specify)	
3	If had diseases, which ones?	
	1. Newcastle 2. Fowl Pox	
	3. Fowl Cholera 4. Parasites 5. Does not know the name (symptoms) 6. Other 2 (specify name of diseases)	
4	What did you do to cope with these problems? (Do not read options)	
	1. buy medicine from local veterinary shop to treat my chicken 2. consult with local veterinary	
	3. treat my chicken with herbal medicine 4. treat my chicken with medicine for treatment human diseases	
	5. find new markets 6. get new cocks/hens	
	7. do nothing 8. other (specify)	
5	Did you spread compost in an area to grow of insects for your chickens? 1. Yes 2. No	
6	Do you use rice-hush, saw dust, dry grass or hay laying on the floor inside your chicken house? 1. Yes 2. No 3. Does not know 4. Does not have chicken house	
7	How big are the cocks you use for breeding? (in Kgs) (999 if does not have)	
8	How big are the cocks that are GOOD for breeding? (in Kgs) (999 if does not have)	
9	How many eggs per generation does your newest hen lays? (999 if does not have)	
10	How many eggs per generation does your oldest hen lays? (999 if does not have)	
11	How many eggs per generation does a GOOD hen for breeding lay?	
12	Do you select chicks for raising? 1. Yes (» 14) 2.No (» 13)	
13	If no, Why not? <table border="1" style="width: 100%; height: 20px;"> </table>	
14	How do you select the chicks to raise? (mark all that apply)	
	1. big in physique 2. shrill voice	
	3. agile 4. broad shoulder 5. color of feathers 6. manure does not cling to the rump 7. Other (specify)	
15	Do you make your own feed for chickens? 1. Yes 2. No	
16	Do you buy commercial feed for your chicken? 1. Yes 2. No	
17	What do you feed your chicks younger than 14 days? (Read each option)	1. Yes 2. No
	1. Commercial feed (bought from market)	
	2. Feed that you make yourself	
	3. What is available around the house	

9A. EXTENSION SERVICES

During the last 12 months, have you received agricultural advice (extension) about the following topics about RICE production?

Type of advice	Code	Have you received any advice in the last 12 months? 1. Yes 2. No (skip to Next Type)	Who provided this advice? (Check all that apply). Determine the 3 most common/frequent: a. provider from which respondent has received advice from [Provider code] b. how was this advice provided [1. In person, 2. Phone/Mobile 3. Radio/TV 4. Other form (Specify)]						Did you have to pay to receive this advice? a. 1. Yes 2. No (>>9A07) b. How much? (0000 Riels)	
			Providers							
			Provider 1		Provider 2		Provider 3			
			9A03		9A04		9A05		9A06	
	9A01	9A 02	a	b	a	b	a	b	a	b
Improved rice varieties	1									
Seed recommendations	2									
Nutrient deficiencies (type of soil) in plots	3									
Composting / organic residue management	4									
Compost fertilizer application	5									
Chemical fertilizer application	6									
Water / irrigation management for rice	7									
Disease prevention / treatment for rice	8									
Pest prevention / treatment for rice	10									
Info of where to sell rice	12									
Advice on output prices	13									
Advice on input prices	14									
Access to credit (bank, microfinance / savings group)	15									

Provider code: 1.Government extension agent, 2. NGO / private sector, 3. Agricultural input store, 4.Trader, 5. Micro finance institution, 6. Neighbours / family / friends in village Neighbours / family / friends outside village,7. Other (specify)

9A. EXTENSION SERVICES [CONTINUED]

Type of advice	Code	<i>[If respondent received advice from government extension agent in person]</i>								
		Do you know which program provided the advice? (codes)	How many visits did you receive in the last 12 months?	[Open-ended] Name the most important piece of advice you received	Rate the quality of the advice you received (Codes)	Did you follow the advice that you received? [1.Yes (next type of advice); 2. No]	[IF NO...] Why not? (Codes). Can choose more than one option			
		9A01	9A07	9A08	9A09	9A10	9A11	a	b	c
Improved rice varieties	1									
Seed recommendations	2									
Nutrient deficiencies (type of soil) in plots	3									
Composting / organic residue management	4									
Compost fertilizer application	5									
Chemical fertilizer application	6									
Water / irrigation management for rice	7									
Disease prevention / treatment for rice	8									
Pest prevention / treatment for rice	10									
Information of where to sell rice	12									
Advice on output prices	13									
Advice on input prices	14									
Access to credit (bank, microfinance / savings group)	15									

Col 9A07. Program codes: 1. ASPIRE (Agriculture Services Programme for Innovation, Resilience and Extension); 2. HARVEST (Feed the Future); 3. District Agricultural Officer; 4. Provincial Department of Agriculture; 5. Farm Business Advisor; 9. Other (specify); 99. Does not know.

Col 9A10. Quality codes: 1. Not useful at all; 2. Mostly useless; 3. Somewhat useful; 4. Quite useful; 5. Very useful.

Col 9A12. Reason codes: 1. Did not understand well recommendation; 2. Recommendation was too complicated; 3. Recommendation was not useful; 4. Requires inputs that were not available locally; 5. Requires inputs I cannot afford; 6. Too time-consuming; 7. Had tried it before and did not work; 8. Other (specify)

9.B. VEGETABLE EXTENSION

VEGETABLES		Did you receive any extension assistance or advisory service related to [TYPE] production and marketing in the last 12 months?		Who provided the extension service/advice? (Codes)	Did you pay for the service? 1=Yes 2=No (>> 07)	If so, how much did you pay? (0000 Riels)	After receiving the advice, did you follow it or adopted the practices? 1=Yes 2=No
Practice, Information, Access provided by Extension/Advisory services on Production, Processing and Marketing	Code	1=Yes 2=No (skip to Next Type)	What was the media? 1=In person 2=Phone 3=TV (>> 07) 4=Radio (>> 07)				
Type of Practice, Information, Access	01	02	03	04	05	06	07
Disease and pest control for vegs	1						
Seed selection / production	2						
Chemical fertilizer application	3						
Composting/organic residue management	4						
Water management for vegetables	5						
Classification of products	6						
Package / transportation	7						
Advice on output prices	8						
Advise on input prices	9						
Collective marketing /group sale	10						
Information where to sell	11						
Credit from local Bank, Micro-Finance, or Savings Groups	12						
Total	9999						

Code 04 – Extension/Service Provider:

- | | | |
|--|--|------------------------------|
| 1. Commune Extension Worker (CEW)/ District Agricultural Officer (DAO)/ Provincial Department of Agriculture/ ASPIRE/ Government | 4. Local Authority | 8. Trader |
| 2. Mobile Service Provider (MSP) | 5. HARVEST program | 9. Micro finance institution |
| 3. Farm Business Advisor | 6. Neighbors / Family /Friends (in the village) | 10. Agricultural input store |
| | 7. Neighbors / Family /Friends (outside the village) | 11. Other (specify) _____ |
| | | 12. NGOs |

9.C. ASPIRE Knowledge (All households)

1A. Do you know about a program called ASPIRE (Agriculture Services Programme for Innovation, Resilience and Extension)?

<input type="checkbox"/>	1. Yes
<input type="checkbox"/>	2. No (» 2A)

1B. Are you (or other farmers in the household) a member of an ASPIRE farmer group?

<input type="checkbox"/>	1. Yes
<input type="checkbox"/>	2. No (» 2A)

1C. How many times during the last agricultural season did you (or other farmers in the household) meet with the ASPIRE farmer group?

<input type="text"/>

2A. Have you (or other farmers in the household) been visited by the Commune Extension Worker (CEW) in the last 12 months?

<input type="checkbox"/>	1. Yes
<input type="checkbox"/>	2. No (» 2B)

2B. Have attended a farmer group meeting or training organized by the Commune Extension Worker (CEW) in the last 12 months?

<input type="checkbox"/>	1. Yes
<input type="checkbox"/>	2. No (» 2D)

2C. How many meetings or trainings organized the CEW did you (or other farmers in the household) attend in the last 12 months?

<input type="text"/>

2D. What is the name of the CEW that visited your village?

<input type="text"/>

Code "99" if respondent cannot remember name

2E. Do you know your CEW's phone number?

<input type="checkbox"/>	1. Yes
<input type="checkbox"/>	2. No

2F. Do you ever call a government agricultural extension worker to ask for agricultural advice?

<input type="checkbox"/>	1. Yes
<input type="checkbox"/>	2. No

10. Social Networks and Agricultural Advice through Voice Messages

10.A. Advice through Voice Messages

Crop	Since July 2017 have you or anyone else in your household <u>received</u> advice about [ITEM] farming techniques to improve production through voice messages ? 1=Yes 2=No>> Next item 3=close or didn't listen carefully (ask till 05 » next item)	PID of main recipient	How often did receive these messages during the crop season?	In what months of 2017, did you receive voice messages about [ITEM] farming techniques?	How valuable do you think the advice you received was? [Codes]	Did the voice messages help you recalling cultivation techniques you have learned before or teach you new techniques?	Did the advice you <u>received</u> through the voice messages help you increase your production? 1. Yes 2. No 3. Not grow/raise (ask till 11, skip 12&13 » next item)	Did you share <u>this</u> advice with other farmers/ persons? 1.Yes 2.No	How many people INSIDE YOUR VILLAGE did you <u>Shared this</u> advice?	How many people OUTSIDE YOUR VILLAGE did you <u>Shared this</u> advice?	Can you give, at least one example of how the messages help you improving your farming techniques?	What were the main challenges in applying the advices you received through voice messages?
01	02	03	04	05	06	07	08	09	10	11	12	13
Rice												
Cucumber												
Long Beans												
Eggplants												
Pumpkin												
Chickens												
<p>Code 4: 1. Once in the season 2. Once per week 3. Once a month 4. Other (specify)</p> <p>Code 5: 1. Jan -2017 ... 7.Jul 2017 ...12. Dec 2017</p> <p>Code 6: 1. Not useful at all; 2. Mostly useless; 3 Somewhat useful; 4. Quite useful; 5. Very useful.</p> <p>Code 7: 1. Teach new techniques 2. Recall previous knowledge 3. Both 4. Other (spec.) 5. Does not know</p> <p>Code 13: 1. Too complicated 2. Too Expensive 3. Inputs necessary not available 4. Messages were difficult to understand 5. Does not believe/agree with the message 6. Other(specify)</p>												

If 10.A_02 = 1, please ask questions below.

10.B. How much would you be willing/ready to pay to continue receiving voice messages with advice about your crops? (Start at option 2 if even and on option 3 if odd Household ID, if answer is YES ask for the option ABOVE, If answers is NO ask for the option below, until arriving to a YES answer or arriving at the top or bottom options)

0. If do not want to pay, how much are you able to pay per season?

1. 5,000 riels per season 1. Yes 2. No

2. 7,500 riels per season 1. Yes 2. No

3. 10,000 riels per season 1. Yes 2. No

4. 15,000 riels per season 1. Yes 2. No

5. 20,000 riels per season 1. Yes 2. No

6. If you can pay, what is the highest amount you are willing to pay per season?

10.C. Do you KNOW people who have received advice about [ITEM] farming techniques to improve production through voice messages?

ITEM	1. Yes 2. No »Next item	How many people?	Did these people tell you about the cultivation techniques they learned from the messages? 1.Yes 2. No (>Next item)	How valuable do you think the advice you received was? [Codes]	Did you share <u>this</u> advice with other farmers/ persons? 1.Yes 2.No	If Yes, How many people did you <u>Shared this</u> advice?
1	2	3	4	5	6	7
1. Rice						
2. Cucumber						
3. Long Beans						
4. Eggplants						
5. Pumpkin						
6. Chickens						
7. Other (Specify)						
9999. Total						
Code 5: 1. Not useful at all; 2. Mostly useless; 3 Somewhat useful; 4. Quite useful; 5. Very useful.						

10.D Think of the people you know in this village that are farmers. With how many of households in this village do you have discussions about agriculture (farming techniques, pests, etc.)?

Think of the households you know in this village that grow _____	How many other households do you know in your village that grow _____?	In the last 12 months, with how many of these households would you say you discussed how to grow or improve your production of _____?	Usually, how frequently did you discuss how to grow or improve the production of _____ with these households? 1. Frequently (Once a month or more) 2. Sometimes (More than once per season) 3. Rarely (Once or twice)	How valuable do you think these discussions about how to grow or increase the production of _____ are? [Codes]
1	2	3	4	5
1. Rice				
2. Vegetables				
3. Chickens				
9999. Total				
Code 5: 1. Not useful at all; 2. Mostly useless; 3 Somewhat useful; 4. Quite useful; 5. Very useful.				

11. HOUSEHOLD LABOR (All members 10 years or older)

A. LABOR IN OWN FARM (RICE PRODUCTION) - WET SEASON: Collect information about members' labor activities in the last 12 months. Check Section 3 and determine if the household has grown rice in their own farm during the WET season in the last 12 months. List all the members of the household that are 10 years or older.

A1. Do your household grow WET season rice? Yes= 1 (>> continue Table below) No= 2 (>>Next section)

ID	Does [NAME] work in the household farm growing rice during the wet season? 1= Yes 2=No >> next member	A2.3									
		How many days did [NAME] spend doing the following tasks during the last wet season? *									
		Preparing land? (seedbed preparation, plowing, harrowing, etc)	Establishing crop? (Pulling seedlings, sowing, transplanting, thinning, gap filling, etc.)	Applying fertilizer?	Applying insecticide or herbicide?	Weeding?	Irrigation?	Harvesting?	Threshing?	Doing postharvest activities? (Drying, hauling, transporting, etc.)	Other tasks (specify)?
A2.1	A2.2	A2.3a	A2.3b	A2.3c	A2.3d	A2.3e	A2.3f	A2.3g	A2.3h	A2.3i	A2.3j
9999	Total										

Note: * Consider any day in which the person had spent at least one hour doing these tasks. If the member has not worked in the task record a zero.

B. LABOR IN OWN FARM (RICE PRODUCTION) - DRY SEASON: Collect information about members' labor activities in the last 12 months. Check Section 3 and determine if the household has grown rice in their own farm during the DRY season in the last 12 months. List all the members of the household that are 10 years or older.

B1. Do your household grow DRY season rice? Yes= 1 (>> continue Table below) No= 2 (>>Next section)

ID	Does [NAME] work in the household farm growing rice during the dry season? 1= Yes 2=No >> next member	B2.3									
		How many days did [NAME] spend doing the following tasks during the last dry season? *									
		Preparing land? (seedbed preparation, plowing, harrowing, etc)	Establishing crop? (Pulling seedlings, sowing, transplanting, thinning, gap filling, etc.)	Applying fertilizer?	Applying insecticide or herbicide?	Weeding?	Irrigation?	Harvesting?	Threshing?	Doing postharvest activities? (Drying, hauling, transporting, etc.)	Other tasks (specify)?
B2.1	B2.2	B2.3a	B2.3b	B2.3c	B2.3d	B2.3e	B2.3f	B2.3g	B2.3h	B2.3i	B2.3j
9999	Total										

C. LABOR IN OWN FARM – VEGETABLES, FRUITS AND OTHER CROPS: Collect information about members' labor activities in the last 12 months. Check Section 3 and determine if the household has grown vegetables, fruits, or other crops during the last 12 months? List all the members of the household that are 10 years or older.

C1. Do your household grow vegetable, fruits, or other crops?

Yes= 1 (>> continue Table below) No= 2 (>>Next section)

C2.1		C2.2		C2.3					
ID	Does [NAME] work in the household farm growing vegetables, fruits, or other crops in the last 12 months? 1= Yes 2=No >> next member	a. How many hours of the last week did [NAME] spend doing the following tasks in the last season ? b. How many months did [NAME] spend doing the following tasks in the last 12 months ?							
		C2.3.1. Preparing land (seedbed preparation, plowing, harrowing, etc) and Establishing crop (sowing, transplanting, thinning, gap filling, etc.)		C2.3.2. Applying fertilizer and insecticide or herbicide		C2.3.3. Weeding and Irrigation		C2.3.4. Harvesting?	
		a. Hour/Week/last season	b. # of month/year	a. Hour/Week/last season	b. # of month/year	a. Hour/Week/last season	b. # of month/year	a. Hour/Week/last season	b. # of month/year
9999	Total								

12. NON-AGRICULTURAL ECONOMIC ACTIVITIES / SELF-EMPLOYMENT

12.1. Did your household run or partly own an **enterprise/business** during the past 12 months (before Khmer New Year 2017)?

1= Yes (go to 12.2)

2= No (>> section 13)

12.2. Describe those economic activities:

No	Activities (e.g. Retail sale in agriculture inputs fertilizer, seeds, feeds; agri. Trade; handicraft; food processing; Sale, maintenance, repair machine etc.)	Industry code (see code attached)	Does the household own the whole business? 1. Yes (>> 06) 2. No	What percentage of the business is owned by the household?	Which family member manages the business? (code ID of household member)	Do any other household members work on the business? (code ID of household member)			What were the total profits for this business in the past twelve months, after deducting all costs? (0000 Riels)
01	02	03	04	05	06	07a	07b	07c	08
01									
02									
03									
04									
05									
06									
07									
08									