

HOUSEHOLD SURVEY QUESTIONNAIRE

Follow up Survey: Testing Innovative Models of Agricultural Extension

(April 2017)

INSTRUCTIONS: THIS IS A FOLLOW-UP SURVEY FOR THE PROJECT “TESTING INNOVATIVE MODELS OF AGRICULTURAL EXTENSION IN CAMBODIA”. PLEASE, USE THE SAME HOUSEHOLD IDS FROM THE BASELINE SURVEY COLLECTED IN 2016.

A. Geographical Information <i>(to be completed by interviewer before the interview)</i>		
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):

B. Household Information <i>(to be completed by the interviewer)</i>		
B4	1. Non IDPoor: 2. IDPoor Household	B4a. 01 = IDPoor Card 02 = Other Social Equity card 03 = No card for assistance

C. Interviewer/Interviewee Information <i>(to be completed by the interviewer)</i>		
C1	Interviewee's name:	
C2	Sex: 1= Male 2 = Female	
C3	Interviewee's phone:	
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 (dd/mm/yyyy):	Code:
D4	Date of Data Entry:	Signature:

1. A. HOUSEHOLD INFORMATION (Based on 2016 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 Nov 2016). If the person has not been present in the house at all since Nov 2016, then he/she is not counted as a household member.

Please fill in the information on all household members below:

ID	Name	Age (year) Write '0' if less than one year	Relationship to household head (code)	Is [NAME] still a member of the household? 1. Yes (>> 08) 2. 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? (code)	Total income for last 12 months (0000 riels)	What was second occupation? (code)	Total income for last 12 months (0000 riels)
01	02	04	05	n03	n04	08	09	10	11
01									
02									
03									
04									
05									
06									
07									
08									
09									
10									
11									
12									
13									

Codes n04: 1. Death; 2. Moved for a new job / work opportunity; 3. Moved due to personal reasons (marriage, divorce, etc.); 4. Moved to attend school; 5. Other (specify)

Column 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

1. B. HOUSEHOLD INFORMATION (New Members)

Note

- 1) Please include any new members in the household that were not previously registered in the 2016 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	Relation ship to househol d head (code)	Marital status Only for members aged 15 and above (code)	Is Khmer or other ethnic group? (code)	Off-farm employment activities (activity during the past 12 months), aged from 10 years			
							Primary		Secondary	
							What was main occupati on? (code)	Total income for last 12 month (0000 riels)	What was second occupati on? (code)	Total income for last 12 month (0000 riels)
01	02	03	04	05	06	07	08	09	10	11

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 07: 1 = Khmer, 2 = Cham, 3 = Other local ethnic group, 4 = Chinese, 5 = Vietnamese, 6 = Thai, 7 = Lao, 8 = Other (Specify).....

Code 08 & 10: Use Code NIS

3.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 outside		
21	Prepared meals bought outside and eaten at home		
9999	Total		

3.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 month		
06	Furniture, furnishings and household equipment and operation (curtain, household appliances, cooking utensils, light bulbs, soap and detergents etc.)	Last 12 month		
07	Domestic salaries (servant's salary, hired labour for cleaning, laundry, cooking etc.)	Last 12 month		
08	Recreation within Cambodia (entertainment services, recreational goods and supplies, tourist travel, hotel accommodation)	Last 12 month		
09	Recreation abroad (entertainment services, recreational goods and supplies, tourist travel, hotel accommodation)	Last 12 month		
10	Education (school fees, textbooks, private tutoring charges, etc.)	Last 12 month		
11	Personal effects (costume/gold jewelry, handbags, wallets, wristwatch, clocks, umbrella)	Last 12 month		
12	Gambling (lottery, sports and animal betting: casino gambling, card games, football, boxing, cockfighting etc.)	Last 12 month		
13	Miscellaneous items (special occasions as funeral rituals, weddings, parties, cash gifts, charity, etc.)	Last 12 month		
9999	Total(1-13)			

4. 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? (See codes)	If rented, how much did you pay for this plot last season? (q4=2 or q4=3) (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... ? 1. Yes. 2. No						Was this field cultivated in the last WET SEASON? 1=Yes 2=No (>10)	Crops cultivated in the last <u>WET SEASON</u> . (See Codes)			Was this field cultivated in the last <u>DRY SEASON</u> ? 1=yes 2=no (> next plot)	Crops cultivated in the last <u>DRY SEASON</u> . (See Codes)		
					Area (as reported)	Area (converter 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																						

Codes for tenancy status Col 04: 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)

Codes for crops Col 09a-c & 11a-c: 1= Wet Rice (harvested Oct. 2016-Jan.2017) 2= Dry Rice (harvested Dec 2016-March.2017) 3= Vegetables 4= Other crops
5= Early wet rice (harvested March- June 2016) 6= Early wet rice (harvested March- June 2017)

Codes for col 07: 1= m2 = 0.0001 ha, 2= Ar = 0.01 ha, 3= Kong=0.09ha 4= Rai = 0.16 ha, 5=ha

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

ENUMERATOR: Identify in section 4, 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 5A below.

5A. 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	
	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)
01	02	03	04	05	06		07	08		09	10		11	12	
					a	b		a	b		a	b		a	b
9999. Total															

5A. Land, Intermediate Inputs, Labor use in WET RICE Plots (Continue)

Plot #	Pesticides				How many people did you hire and how much did you pay for the following tasks this season?								Other inputs	How much Wet Season Paddy Rice did you harvest? (Kg)
	How much did you use?		Quantity and Price		Land preparation; canal cleaning/repair		Seeding or Planting		Weeding		Harvesting & threshing		How much in total? (Oil, diesel, water, etc) or rented equipment?) (0000 Riels)	
	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)				
1. Liter 2. Kg														
01	13		14		15		16		17		18		19	20
	a	b	a	b	a	b	a	b	a	b	a	b		
9999.Total														

DRY SEASON RICE

ENUMERATOR: Identify in section 4, 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 5B below.

5B. Land, Intermediate Inputs, Labor use in DRY 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	
	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)
01	02	03	04	05	06		07	08		09	10		11	12	
					a	b		a	b		a	b		a	b
9999. Total															

5B. Land, Intermediate Inputs, Labor use in Dry RICE Plots (Continue)

Plot #	Pesticides				How many people did you hire and how much did you pay for the following tasks this season?								Other inputs	How much dry Season Paddy Rice did you harvest? (Kg)	
	How much did you use?		Quantity and Price		Land preparation; canal cleaning/repair		Seeding or Planting		Weeding		Harvesting & threshing		How much in total? (Oil, diesel, water, etc) or rented equipment?) (0000 Riels)		
	Quantity	Unit 3. Liter 4. 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)	a. Total working days b. Expenditure (0000'riel)	a. Total working days b. Expenditure (0000'riel)					
13		14		15		16		17		18		19	20		
a		b		a		b		a		b		a		b	
9999.Total															

5.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 5.A and 5.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	01	02	03a	03b1	03b2	03b3	03c	03d
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?

2. How many days after 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
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									

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)
01	Vegetable Type	02	03	04a	05a	05b	06	07	08	09
	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 flowers	21								
	Water mimosa	22								
	Cratavea plant	23								
	Chinese Kale flower	24								
	Chinese Kale leaf	25								
	Total	9999								
Convertor to ha for column 05b:				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	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?	
				Purchased Quantity (kg)	Purchased price('0000 Riels)
	01	02	03	04a	04b
Seeds/Seedlings (Kg)	1				
Seedlings (kg)	2				
Chemical fertilizer – NPK (Kg)	3				
Chemical fertilizer – Urea (Kg)	4				
Compost (Kg)	5				
Pesticide (Litre)	6				
Total	9999				

7. PRODUCTION AND SALES OF OTHER CROPS

ENUMERATOR: List in the Table below ALL OTHER CROPS listed in the plot inventory in Section 4. 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 4 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
9999. Total						

8. FISH PRODUCTION, SALES, INPUT USE IN THE LAST COMPLETED PRODUCTION CYCLE

8.1a. Does this household raise fish?

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

8.1b. Have you had any harvest?

1= Yes (complete Table below) 2= No – skip to next section

8.2. FISH PRODUCTION AND SALES

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

Plot ID	Name of fish	How much did you produce?		Sales of FISH	
		Quantity (Kg)	Unit (Riel/Kg)	Did you sell any during the last production cycle? 1=Yes 2=No(skip to Next Type)	How much did you get in total from sales of [FISH SPECIES]? ('0000 Riels)
01	02	03	03a	04a	04b

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). For each option, determine: a. whether respondent has received advice from this source [1. Yes, 2. No (skip to next)] b. how was this advice provided [1. In person, 2. Other form (TV, radio, phone, etc.)]														Did you have to pay to receive this advice? a. 1. Yes / 2. No (skip to Next Type) b. How much? (0000 Riels)		
			Government extension agent		NGO / private sector		Agricultural input store		Trader		Micro finance institution		Neighbours / family / friends in village		Neighbours / family / friends outside village			Other (specify)	
			03		04		05		06		07		08		09			10	
			a	b	a	b	a	b	a	b	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																		

[CONTINUED]

Type of advice	<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; 2. No]	[IF NO...] Why not? (Codes). Can choose more than one option		
	12	13	14	15	16	17		
						a	b	c
Improved rice varieties								
Seed recommendations								
Nutrient deficiencies (type of soil) in plots								
Composting / organic residue management								
Compost fertilizer application								
Chemical fertilizer application								
Water / irrigation management for rice								
Disease prevention / treatment for rice								
Pest prevention / treatment for rice								
Information of where to sell rice								
Advice on output prices								
Advice on input prices								
Access to credit (bank, microfinance / savings group)								
Col 12. Program codes:	1. PADEE (Project for Agricultural Development and Economic Empowerment) or Mobile Support Team (MST); 2. HARVEST (Feed the Future); 3. District Agricultural Officer; 4. Provincial Department of Agriculture; 5. Farm Business Advisor; 6. Other (specify); 99. Does not know							
Col 15. Quality codes:	1. Not useful at all; 2. Mostly useless; 3. Somewhat useful; 4. Quite useful; 5. Very useful							
Col 17. 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? (See Codes)	Did you pay for the service? 1=Yes 2=No(skip to 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 (skip to 07) 4=Radio (skip to 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						

Col 04 – Extension/Service Provider Codes:

- | | | |
|-----------------------------------------|-------------------------------------------------|------------------------------------------------------|
| 1. Commune Extension Worker (CEW) | 5. Farm Business Advisor | 9. Neighbors / Family /Friends (outside the village) |
| 2. District Agricultural Officer (DAO) | 6. Local Authority | 10. Trader |
| 3. Provincial Department of Agriculture | 7. HARVEST program | 11. Micro finance institution |
| 4. Mobile Service Provider (MSP) | 8. Neighbors / Family /Friends (in the village) | 12. Agricultural input store |
| | | 13. Other (specify) |

9.C. PADEE AND THE IMPACT OF MSTs

1. Do you know about a program called PADEE (Project for Agricultural Development and Economic Empowerment) that the Ministry of Agriculture has implemented for the last two years?

 Yes
 No

2. Have you been visited by the Mobile Support Team (MSTs) in the last 12 months? [1=Yes, 2=No]

 Yes
 No (» 9D)

3. How many times did the MST visit your farm in the last 12 months?

4. What is the name of the MST that visited your village?
Code "99" if respondent cannot remember name

5. Do you know your MST's phone number?

 1. Yes 2. No (» 7)

6. Did you ever call the MST to ask for agricultural advice?

 1. Yes 2. No

7. How would you rate your MST's performance regarding...

Codes: 1. Very poor, 2. Poor, 3. Average, 4. Good, 5. Very good

a. Knowledge of agricultural practices?

 [Codes]

b. Commitment to providing solutions to your agricultural problems?

 [Codes]

c. Attitude and helpfulness?

 [Codes]

d. Responsiveness to questions?

 [Codes]

e. Quality of the advice provided over the phone (only if the answer to Question 6 is "Yes")?

 [Codes] or 99 if the farmer has not called the MST

f. How would you rate your MST's overall performance?

 [Codes]

8. Did the MST that visited you had a tablet to provide you with agricultural advice?

 1. Yes (» Continue)
 2. No (» 9D)
 99. Do not know (»9D)

9. Do you think that the tablet helped the MST give you better advice?

 1. Yes (» Continue)
 2. No (» 9D)
 3. 99. Do not know (»9D)

10. How do you think it helped the MST? [Open-ended]

9D. Social Networks and Agricultural Advice

1. In the past twelve months, have you or anyone else in your household given or received advice about rice production and marketing from relative or friends? 1=Yes 2=No [If no, » section 10]

2. From how many people FROM YOUR VILLAGE did you give or receive advice about rice production and marketing?

3. From how many people FROM OUTSIDE YOUR VILLAGE did you give or receive advice about rice production and marketing?

4. Enumerator: Inquire about the list of people from the respondent's village or outside the respondent's village

Name of the person	In which village does this person live?				How often did you talk to this person about agricultural advice?	Did you <u>receive</u> advice from this person? 1. Yes 2. No (>> 10)	How valuable do you think the advice you received was? [Codes]	Did the advice you <u>received</u> help you increase your rice production? 1. Yes 2. No	Did you <u>provide</u> advice to this person? 1. Yes 2. No (skip to next person)	How valuable do you think the advice you provided was? [Codes]	Did the advice you <u>provide</u> help increase your relative's / friend's rice production? 1. Yes 2. No 3. Do not know
	Province	District	Commune	Village							
01	02	03	04	05	06	07	08	09	10	11	12

A. From the respondent's village

B. From outside the respondent's village

Value of advice Column 08 & 11: 1. Not useful at all; 2. Mostly useless; 3 Somewhat useful; 4. Quite useful; 5. Very useful.

10. DEMAND FOR AGRICULTURAL EXTENSION

What kind of information would you like to receive from an agricultural extension service?

[ENUMERATOR: There is a list of potential topics to be covered by agricultural extension services. Identify the five most important areas of interest of the respondent. Assign numbers 1-5 to these areas (where 1 is the most important area, 2 is the second most important area, 3 is the third most important area, etc.). in the cart below]

Area	Ranking (1-5)
1. Seed recommendations for rice	
2. Fertilizer recommendations for rice	
3. Other agricultural inputs for rice	
4. Composting and residue management for rice	
5. Irrigation / water management for rice	
6. Prevention and treatment of rice diseases	
7. Market price information on where to sell rice	
8. Rice storage and post-harvest handling	
9. Alternative crops to grow	
10. Fertilizer recommendations for vegetables	
11. Other agricultural inputs for vegetables	
12. Composting and residue management for vegetables	
13. Irrigation / water management for vegetables	
14. Prevention and treatment of vegetable diseases	
15. Market price information on where to sell vegetables	
16. Vegetable post-harvest handling	
17. Livestock rearing and diseases	
18. Livestock marketing	
19. Integrated pest management practices	
20. Community resource management	
21. Access to credit	

[OPEN-ENDED QUESTION] Please name other areas you would like to have extension services cover.

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

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	2.3									
		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)?
2.1	2.2	2.3a	2.3b	2.3c	2.3d	2.3e	2.3f	2.3g	2.3h	2.3i	2.3j
99 99	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	2.3										
		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)?	
2.1	2.2	2.3a	2.3b	2.3c	2.3d	2.3e	2.3f	2.3g	2.3h	2.3i	2.3j	
99	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.

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/W eek/last season	b. # of month/y ear	a. Hour/We ek/last season	b. # of month/ye ar	a. Hour/We ek/last season	b. # of month/ye ar	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 (go to 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	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									

13. Financial Access and Literacy

<p>1. In the last 12 months, did you or any other household member request a loan?</p> <p>1. Yes</p> <p>2. No (»5)</p>	
<p>2. What did you or any other household member request the loan for? Choose all that apply</p> <p>1. Purchase Food</p> <p>2. Purchase other goods</p> <p>3. Doctor / Medicine</p> <p>4. Special occasion (wedding / funeral / birth / etc.)</p> <p>5. Purchase inputs</p> <p>6. Purchase land</p> <p>7. Education</p> <p>8. Build/repair house</p> <p>9. Solve family's problems</p> <p>10. Other (specify)</p>	
<p>3. And during the last 12 months, did you or any other household member receive a loan?</p> <p>1. Yes</p> <p>2. No (»7)</p>	

4. List the loans that you received in the last 12 months

	Credit source:		Amount received (In 0000 Riels)	Amount currently due (In 0000 Riels)	Interest rate (%) per month	Loan period (number of days)	Did you wish for a ...?	
	Code	Name of Institution (options 1-4)					Bigger loan Yes.....1 No.....2	Longer repayment period Yes.....1 No.....2
	01	02	03	04	05	06	07	08
4.1								
4.2								
4.3								
4.4								
4.5								

After completed above table, then skip to question 8 in the next page

Question	Answer		
<p>5. Why did you not request credit? (single answers?)</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>1. Do not need</p> <p>2. Too expensive</p> <p>3. Cannot pay back</p> <p>4. Do not have collateral</p> </td> <td style="width: 50%; vertical-align: top;"> <p>5. Do not want to risk collateral</p> <p>6. Too complicated</p> <p>7. Do not know where to request</p> <p>8. Other (specify)</p> </td> </tr> </table>	<p>1. Do not need</p> <p>2. Too expensive</p> <p>3. Cannot pay back</p> <p>4. Do not have collateral</p>	<p>5. Do not want to risk collateral</p> <p>6. Too complicated</p> <p>7. Do not know where to request</p> <p>8. Other (specify)</p>	
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<p>6. Do you think you would have received the loan had you requested it?</p> <p>1. Yes (»8)</p> <p>2. No</p>			
<p>7. Why do you think you were denied (or would have been denied) the loan? (Single answer)</p> <p>1. No collateral</p> <p>2. Not enough income</p> <p>3. Withstanding debt</p> <p>4. Other (specify)</p>			
<p>8. Do you have an account with a bank that you use for savings?</p> <p>1. Yes</p> <p>2. No</p>			
<p>9. Are you a member of a savings group?</p> <p>1. Yes</p> <p>2. No</p>			
<p>10. Do you have a savings box in your house?</p> <p>1. Yes</p> <p>2. No</p>			
<p>10a. Do you have any other saving means? (besides all means mentioned above) 1. Yes 2. No</p>			
If q8 = 2, q9 = 2, q10 = 2 and q10a = 2, skip to q13			
<p>11. In a good month, how much are you able to save? (in 0000s Riels)</p>			
<p>12. Which of the following statements best describes your current cash savings? (Single answer)</p> <p>1. More than enough for a month</p> <p>2. Enough for regular consumption needs and small unexpected expenditures for a month</p> <p>3. Just enough for regular consumption needs for a month</p> <p>4. Not enough for consumption needs for a month</p> <p>5. Other (specify)</p>			
<p>13. How much do you hope to save over the next 12 months? (in 0000s Riels)</p>			
<p>14. How much do you think you will <i>actually</i> save? (in 0000s Riels)</p>			
<u>Ask if the amount in Q13 is greater than the amount in Q14 (if not, »16)</u>			
<p>15. Why do you think you will save less than you would like? (Multiple answers)</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>1. Lower income than hoped / Poor harvest</p> <p>2. Increased prices</p> <p>3. Unexpected expenses</p> <p>4. Spouse uses savings</p> </td> <td style="width: 50%; vertical-align: top;"> <p>5. Other family member uses savings</p> <p>6. Difficult to keep track of money</p> <p>7. Theft</p> <p>8. Other (specify)</p> </td> </tr> </table>	<p>1. Lower income than hoped / Poor harvest</p> <p>2. Increased prices</p> <p>3. Unexpected expenses</p> <p>4. Spouse uses savings</p>	<p>5. Other family member uses savings</p> <p>6. Difficult to keep track of money</p> <p>7. Theft</p> <p>8. Other (specify)</p>	
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16. How important is having savings to you? (Single answer)	
1. Very important	
2. Somewhat important	
3. A little important	
4. Not important	
17. What ways of saving are you able to use? Mark all that apply [1=Yes, 2=No]	
1. Keep money in household / cash box	
2. Local savings group / merry-go-round	
3. Mobile money account	
4. Microfinance organization	
5. Bank account (Checking)	
6. Bank account (Savings)	
READ THIS STATEMENT TO THE RESPONDENT:	
Imagine you are going to be given a gift from a trusted source. You will receive it either tomorrow or in one month. If you wait one month you will receive more. Would you prefer to be given:	
18. A. 100,000 Riels tomorrow or B. 110,000 Riels in one month? (»End the questionnaire)	
19. A. 100,000 Riels tomorrow or B. 120,000 Riels in one month? (»End the questionnaire)	
20. A. 100,000 Riels tomorrow or B. 130,000 Riels in one month? (»End the questionnaire)	
21. How much would you have to be paid to wait for a month? (in 0000s Riels)	