# **APPENDIXES**

# **List of Appendixes**

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## **Appendix 1: Questionnaire**

### I. General Information on the Interviews

Stud	y Location						
1	Code of Questionnaire	Number					
2	Date	DD/MM/YYYY					
3	Time of interviewing	Started					
4	Time of interviewing	Finished					
5		Province					
6	Location	District					
7	Location	Commune					
8		Village					
9	Interview Checker	Full name					
10	Name of Enumerator	Full name					
Inter	viewee's Profile						
11	Name of Interviewee	Full name					
12	Age	Number					
13	Sex	1. Male 2. Female					
14	Phone Number	Line 1 Line 2					
	What is your position	1. Head of Household					
	in the household?	2. Spouse of Head Household					
15		3. Child of Head Household					
13		4. Parents of Head Household					
		5. Relative of Head Household					
		6. Other (Specify)					
16	Marital Status	1. Single 2. Married 3. Divo	rced / Separated				
		4. Widow / Widower					

17	What year of schooling did you complete?								
18	How long have you had experience in farming activities? (Year)								
19	How many members are there in your household? (Including you)								
	Relationship	Marital	Sex		Year of	Farming	Off-farm		
$N^0$	with HH	Status	1. Male	Age	Age				
	(1)	(2)	2. Female		schooling	Experience	activities		
1									
2									
3									
4									
5									
6									
7									
8									
Code		1	1	1	1	1			

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(1):	1. l	Head of	НН	2. Spous	se of	f HH 3. S	on/daughter	4. ]	Parents 5	. Relatives	6.	Other,
(Spe	cify	y)										
(2):	1.	Single	2.	Married	3.	Divorced/	Separated	4.	Widow	Widower	5.	Other,
(Spe	cify	y)										

### II. Farming Activities

Early	Early Season Rice (4 -8)																		
20	Farm A	rea	Yield	Consu mption	Sold	Price	Income	Se	eeds		Fertili	zer	Pestici	de	Herbic	ride	Sack		Rental Land
	(h	a)	(Ton)	(Ton)	(Ton)	Price /Kg	(Riel)	K	g	Price/ Kg	Kg	Price/ Kg	Unit	Price/ Unit	Unit	Price/ Unit	Quanti ty	Price	Price
1	Plot 1																		
2	Plot 2																		
3	Plot 3																		
4	Plot 4																		
5	Total																		
				Other ex	expenditure Household Labor				Hired Labor				Gasoline/ Diesel						
21	Farminş	g Activit	ies		Hired-Tractor Hired Hand-Tractor	Hired-Harvesting	Machinery	N. of worker	Day/Hours		Wage/Day	Total	N. of worker	Day/Hours	Wage/Day	Total Expenditure	Littre	Price/Littre	Total
1	Soil Pre	paration	(Plowing	1st)															
2			Broadcast	ing															
3	Weedin	•																	
4	Fertilize	er Applic	cation																
5	Sprayin																		
6	Water p	ump ma	chinery																
7			Threshing	3															
8	Threshi	ng																	
9	Transpo	ortation																	

### III. Information on microcredit

Role	Role of gender in microcredit							
22	Do you take credit in 2015?	1. Yes 0. No						
23	Who is the first loan initiative	1. Wife 2. Husband 3. Both						
23	proposal for working capital?	(wife and Husband)						
24	Who is the main actor in process of	1. Wife 2. Husband 3. Both						
24	borrowing?	(wife and Husband)						
	Who is the main actor in loan	1. Wife						
25	management within the household?	2. Husband						
	management within the nousehold:	3. Both (wife and Husband)						
	In your household, who make	1. Wife						
26	decision on using agricultral credit?	2. Husband						
20	(e.g. buy seeds, fertilizer, herbicide,	3. Both (wife and Husband)						
	pesticide and so on)?	5. Both (who the Husband)						
		1. Microfinance institutions						
	Where are sources of loan did you	2. NGOs microfinance						
27	borrow from?	3. Moneylenders						
	conow from:	4. Relatives/Friends						
		5. Others please specify						
28	How much?	Amount:Riel/US\$						
29	How long?	:Month						
30	Interest rate?	:%						
		1. Agriculture						
		2. Small business						
		3. Health treatment						
31	For what purpose?	4. Education						
		5. Household consumption						
		6. Payment for other loan						
		7. Others						

22	Could you estimate the loan used for	Amount:Riel/US\$
32	agriculture purpose? How much?	
		1. Hired Tractor/ Hand-Tractor
		2. Hired threshing machinery
		3. Buying Chemical Fertilizer
		4. Buying Pesticide
	If you used the lean for conjusting	5. Buying Seeds
33	If you used the loan for agriculture,	6. Buying Herbicide
33	what did you buy?	7. Buying Water Pump Machine
		8. Buying Sprayer Machine
		9. Buying Hand-Sprayer
		10. Buying Bag 13.
		11 Buying Gasoline
		12. Other, specify
		1. Farming (Harvested Season)
	What are your sources for repaying loans?	2. Fishing
		3. Small business
		4. Remittance
34		5. Borrowing from MFIs
		6. Animal raising
		7. Salary from the government
		8. Construction Worker
		9. Others
Anv	suggestion	

Thank you very much for your participation!!!

## **Appendix 2: Gross margin calculation**

Variable and Cost	Borrowers	Non-borrowers
Avg. Land Size (ha)	2.61	2.52
Avg. Labor force input (man-day)	28.34	24.93
Family labor	19.74	16.88
Hired Labor	8.60	8.05
Avg. Value of Production (US\$)	1,370.69	1,049.02
solds	1,156.15	790.39
Household Consumption	216.83	258.66
Avg. Variable Cost (US\$)	1,014.87	828.10
Seeds	237.84	199.01
Fertilizer	163.79	127.48
Pesticide	14.09	15.88
Herbicide	37.29	27.62
Sacks	22.54	21.69
Hired tractor	85.37	73.72
Hired harvester machinery	190.28	145.04
Gasoline	59.55	42.76
Household labor	140.74	124.06
Hired labor	63.38	50.85
Gross Margin (US\$)	355.85	220.96
Gross Margin per ha (US\$/ha)	136.34	87.67
Gross Margin per labor resources	12.56	8.86

## **Appendix 3: Farmer interview**



**Appendix 4: Focus group discussion** 



**Appendix 5: Typical farmers in study area** 



**Appendix 6: Weed control** 

