Rural Agriculture Dry Zone Survey March 2017

HH CLASSIFICATION

Center for Economic and Social Development (CESD) • International Food Policy Research Institute • Michigan State University

My name is [name of enumerator] and I would like to interview your household for a survey that is being conducted by researchers from the Center for Economic and Social Development (CESD), Michigan State University and the International Food Policy Research Institute. This survey aims to provide researchers with a detailed understanding of rural livelihoods in Sagaing, Mandalay and Magway Regions and carry out analyses to assist policymakers in identifying policies to promote welfare in Myanmar. The researchers are visiting 1600 households in four different townships and your household was selected randomly for participation. The interview will take up to 2 hours to complete and you may be asked to show us your agricultural plots for area measurement. You have the right to not participate or stop the interview at any time. Please note, however, that we value your participation. Be assured that the information you give will be held in the strictest confidence and in no circumstance will your household be identified. If you have questions or concerns about your role and rights as a research participant, or if you would like to receive more information about this study, you may contact, anonymously if you wish, Aung Hein of the Center for Economic and Social Development at 09 792 849 426.

A01.	Region/State	
A02.	Township	
A03.	Ward / Village Tract	
A04.	Ward Segment/Village	
A05.	Household ID	

A06.	GPS Coordinates: Latitude	|___|___|º |___|___|′ |___|___|.|___|″
A07.	GPS Coordinates: Longitude	|___|___|º |___|___|′ |___|___|.|___|″
A08.	Date of interview DD/MM/YY	|___|___| /|___|___|/2017
A09.	Start time	|___|___|:|___|___|
A10.	End time	|___|___|:|___|___|

By signing here, enumerator confirms that consent to conduct interview was obtained.		
A11.	Name of household head	
A12.	Name of household head's father	
A13.	Name of respondent	
A14.	Name of enumerator	|___|___|
A15.	Name of supervisor	|___|___|
A16.	Name of data entry person 1	|___|___|
A17.	Date of first entry DD/MM/YY	|___|___| /|___|___|/2017
A18.	Name of data entry person 2	|___|___|
A19.	Date of second entry DD/MM/YY	|___|___| /|___|___|/2017
A20.	Name of CESD supervisor	|___|___|

A21. Did household cultivate annual crops during the Post-Monsoon season of 2016/2017?	1 Yes > A22 2 No > Use 2016/17 Reference period

A22. Has household harvested all annual crops from the Post-Monsoon season of 2016/17?	1 Yes > Use 2016/17 Reference period 2 No > Use 2015/16 Reference period

A1. HOUSEHOLD ROSTER

A100. When was this household formed (YEAR)? ☐

ENUMERATOR: Ask the household head first about the members of the household. Then ask the head about other people who have lived and eaten with them for at least 6 of the past 12 months.

	A101A	A102	A103	A104	A105	A106	A107	A108	A109	A110	A111	A112	A113
	Name	Sex	What is [..name's..] relationship to the household head?	What is [name's] age?	Can [..name..] read or write?	What is the highest grade [..name..] has completed?	What is [..name..]'s primary occupation?	What is [..name..]'s secondary occupation?	Has [..name..] ever migrated **for work** on a short term basis (<=6 months)	Is [..name..] currently migrating for work on a short term basis ?	Has [..name..] ever migrated **for work** on a long term basis (>6 months)	Is [..name..] currently migrating for work on a long-term basis	How many months did [.name.] live away from home in the last 12 months
		1 M 2 F		IN YEARS COMPLED	1 Yes 2 No>>A107	CODES BELOW	CODES BELOW	CODES BELOW	1 Yes 2 No >> A111	1 Yes 2 No	1 Yes 2 No	1 Yes 2 No	Number of Month
01													
02													
03													
04													
05													
06													
07													
08													
09													
10													

A103

1 Head
2 Spouse
3 Child
4 Sibling
5 Parent
6 Grandchild
7 Son/Daughter-in-law
8 Brother/Sister-in-law
9 Parent-in-law
10 Stepchild
11 Other relation
12 Domestic worker
13 Permanent Employee
14 Other nonrelation

A106

0 Kinder
1 Stnd 1
2 Stnd 2
:
10 Stnd 10
11 Undergraduate
12 Bachelor's degree
13 Postgraduate
66 Other Non-Govt Education
(Monastic education..,etc

A107/A108

A107 /108

1 Agricultural farmer
2 Agricultural laborer
3 Non-agricultural laborer
4 Craftsman
5 Professional or government job
6 Trader
7 Non-farm salaried employment
8 Self-employment nonfarm enterprise
9 Student
10 Homemaker
11 Dependent
12 Retired
13 Unemployed but seeking work
14 Natural resouce extraction
98 NA
99 Other (Specify)

A2. HOUSEHOLD ROSTER

A200A. Is there anyone who used to be a member of this household but is now no longer considered to be a member of the household? |___| 1 Yes, 2 No >> NEXT MODULE

	A201A	A201B	A202	A203	A204	A205	A206	A207	A208
	Name	Why did he/she become a former household member?	Sex	What is [..name's..] relationship to the household head?	What is [name's] age?	Can [..name..] read or write?	What is the highest grade [..name..] has completed?	Is [..name..] currently migrating for work on a long term basis (>6 months)	Where is [..name..] currently living?
		1 Migrated for work 2 Migrated for education 3 Marriage 4 Accompany parents 5 Health reasons 6 Passed away 99 Other (Specify) 2-99 >> Next Person	1 M 2 F	1 Head 2 Spouse 3 Child 4 Sibling 5 Parent 6 Grandchild 7 Son/Daughter-in-law 8 Brother/Sister-in-law 9 Parent-in-law 10 Stepchild 11 Other relation 12 Domestic worker 13 Permanent Employee 14 Other nonrelation	IN YEARS COMPLED	1 Yes 2 No>>A207	0 Kinder 1 Stnd 1 2 Stnd 2 : 10 Stnd 10 11 Undergraduate 12 Bachelor's 13 Postgraduate 66 Other Non-Govt (Monastic	1 Yes 2 No 97 DK	1 In this township 2 Outside this township
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									

B. HOUSEHOLD HEAD AND SPOUSE'S PERSONAL HISTORY

	B200	B201	B202	B203	B204		B205	B206	
	Parent/ Parent in law	Is the head's parents or parents in law still alive?	What is/was the primary occupation of the head's father (mother) while economically active?	What is/was the highest level of formal education.... completed?	How much agricultural land is/was owned by the head's/spouse's father (mother) during their time?		Have these lands been bequeathed among the head's siblings or spouse's siblings?	How much of these lands have the head or spouse inherited from father or mother?	
		1 Yes 2 No 98 NA	**CODES BELOW**	0 Kinder 1 Stnd 1 2 Stnd 2 : 10 Stnd 10 11 Undergraduate 12 Bachelor degree 13 Postgrad. Degree 66 Other Non-Govt (Monastic education, etc)	Number 9997=DNK	UNIT 1 Acre 2 Feet^2 3 Taung^2 99 Other (specify)	1 Yes 2 No >>> B 207	Number	UNIT 1 Acre 2 Feet^2 3 Taung^2 99 Other (specify)
1	Head's father/guardian								
2	Head's mother/guardian								
3	Spouse's father/guardian								
4	Spouse's mother/guardian								

B207. How much agricultural land does your household own? ☐

B208. How many siblings does the head have? ☐

B209. How many siblings does the spouse have? ☐

B202

1 Agricultural farmer
2 Agricultural laborer
3 Non-agricultural laborer
4 Craftsman
5 Professional or government job
6 Trader
7 Salaried (non-farm)
8 Self-employed (non-farm)
9 Student
10 Homemaker
11 Dependent
12 Retired
13 Unemployed but seeking work

C1. SHORT TERM MIGRATION

C100A Is there any current household members who has ever migrated for work as a short-term basis (< 6 months)? 1 Yes 2 No>> next module |___|

№	C101A	C101	C102	C102B	C103		C104	C105	C106	C107	C108	
	LIST ALL CURRENT MEMBERS WHO HAVE EVER MIGRATED FOR <6 MONTHS	ID	When did [..name..] leave the household the first time?	How many occaisions has [..name..] migrated for a period of <6 months since they first left the HH?	When did [..name..] leave the household the most recent time they migrated?		Where did [..name..] go for work the last time he/she left?	What kind of place [..name..] was working in the last time he/she left...?	What was the primary occupation of [..name..] prior to their first migration?	What was the primary occupation of [..name..] at that destination (occupation during the last migration)?	Why did [...name...] migrate in the last time?	
			YYYY	NUMBER	MM	YYYY		1 State/Region Capital in Myanmar (Ur 2 Other town in Myanmar (Urban) 3 Urban area abroad 4 Rural (Myanmar or abroad)	see codes	see codes	**FIRST REASON**	**SECOND REASON** 98 NA
1.1												
1.2												
1.3												
1.4												

C104
1 Yangon
2 Mandalay
3 Nay Pyi Taw
4 Kachin
5 Shan
6 Sagaing
7 Magwe
8 Ayeyarwady
9 Bago
10 Kayin/Karen
11 Mon/Tanintharyi
12 Chin/Rakhine
13 Thailand
14 China
15 Malaysia/Singapore
16 Other country (Specify)..

C106
1 Agricultural farmer
2 Agricultural laborer
3 Non-agricultural laborer
4 Craftsman
5 Professional or government job
6 Trader
7 Other enterprise (non-farm)
8 Natural resource extraction
9 Student
10 Homemaker
11 Dependent
12 Retired
13 Unemployed but seeking work
14 Store employee
98 NA

C107
21 Agricultural worker
22 Garments factory worker
23 Other factory worker
24 Domestic staff
25 Waiter/shop worker/other service sector worker
26 Construction worker
27 Government job
28 Trading
29 Mining
30 Natural resource extraction
31 Porter/other casual non-farm work
32 Fishing/seaman
98 NA
99 Other (Specify)

C108
1 No/not enough agricultural land
2 For higher salary
3 Not willing to work farm job
4 Farm income is low/not enough/not profitable
5 Not physically strong enough to do farm job
6 Surplus labor
7 Slack season
8 Not enough food
9 Pay for education/healthcare
10 Pay off debt
11 For adventure
12 To gain new skills
13 For professional work in accordance with one's expertise
14 Government assignment
98 NA

C1. SHORT TERM MIGRATION, continued

№	C109	C110	C111	C112	C113	C114	C115	C116	C117
	How much did [..name..] have to pay for their most recent migration trip? (travel + any brokers fees, passport costs etc.)	Did [..name..] take on any debt in order to pay for their most recent migration trip?	What amount did they borrow ?	Has this debt been fully repaid now ?	How much money has been repaid (including the interest)?	At the first time [..name..] left, did he/she have a child?	Does [..name..] have a child/ children now?	Where did the child/ children live the last time [name] was away?	Who was the primary care giver for the child/ children while [name] was away? [..relationship to migrant..]
	98 NA	1 Yes 2 No >> C114	KYAT	1 Yes 2 No>>C114 3 Paritally	KYAT	1 Yes 2 No	1 Yes 2 No >>C118	1 At migration destination 2 In HH of interview 3 this village	1 Migrant [..name..] 2 Migrant's Spouse 3 Migrant's Parents 4 Migrant's Parents in law 5 Migrant's Siblings 6 Other relative
1.1									
1.2									
1.3									
1.4									

C1. SHORT TERM MIGRATION, continued

Nº	C118												C119	C120		C121	C122	C123	
	In the last 12 months, in which months did [..name..] migrate for work?												For the months that [..name..] was working, how many days on average did he/she work?	What was the average wage [..name..] made while working away?		Unit of currency	In the past 12 months, did [..name..] send any remittances or bring back money or goods when they returned?	How much did [..name..] send back in remittances in total during the past 12 months?	
	03	04	05	06	07	08	09	10	11	12	01	02	Number of days per month	AMOUNT	UNIT 1 Day 2 Week 3 Month 4 Year	1 Kyat 2 Baht 3 Yuan 4 Ringgit 5 Singapore Dollar 6 USD 99 Other (specify)	1 Yes 2 No >>C124 98 NA	Amount	1 Kyat 2 Lakh
1.1																			
1.2																			
1.3																			
1.4																			

C1. SHORT TERM MIGRATION, continued

№	C124	C125	C126		C127			C128	C129		C130	C131
	How many times has [..name..] been back to visit the household during the last 12 months?	In the last 12 months did [..name..] bring back money/goods when he/she returned or visited?	In the last 12 months, what was the total value of cash/goods he/she brought back home?		ANSWER IF C122 OR C125=1 How were remittances, money, or goods received during the last 12 months used? List the first, second and third most important uses by value			Has [..name..] returned fromtheir most recent migration?	For what reason did [..name..] return? (list the first and second most important reasons)		When did [..name..] return?	Do you expect [..name..] to migrate again?
		1 Yes 2 No >> C127	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	FIRST USE SEE CODES	SECOND USE SEE CODES 98 NA	THIRD USE SEE CODES	1 Yes, permanently 2 Yes, temporarily 3 No > NEXT PERSON	**FIRST REASON**	**SECOND REASON** 98 NA	**YYYY**	1 Yes 2 No 3 not sure 97 DK
1.1												
1.2												
1.3												
1.4												

C127

1 Day to day household expense
2 Agricultural operation costs
3 Educational costs of household members
4 Child care
5 Medical expenses
6 Savings (e.g. gold)
7 Repayment of debt
8 House construction
9 House repair
10 Purchase land for house
11 Purchase agricultural land
12 Purchase agricultural machinery
13 Purchase livestock
14 Purchase motor vehicle
15 Start a business

C2. LONG TERM MIGRATION

C200A: Is there any former or current household member who have ever migrated for work as a long-term basis (>6 months)? 1. Yes 2. No |____|

№	C201A	C201	C202	C202B	C203	C204	C205	C206	C207	C208	
	LIST ALL MEMBERS AND EX-MEMBERS WHO HAVE EVER MIGRATED FOR >6 MONTHS	ID, SEC A1 & A2	When did [..name..] leave the household the first time?	How many occasion has [..name..] migrated for a period of 6 months or more?	When did [..name..] leave the household the most recent time they migrated?	Where did [..name..] migrate to during their most recent migration?	What kind of place was [..name..] working in the last time he/she left?	What was the primary occupation of [..name..] prior to their first migration?	What was the primary occupation of [..name..] during their most recent t migration?	Why did [...name...] migrate the most recent time?	
			YYYY		YYYY	CODES below	1 State/Region Capital in Myanmar (Urban) 2 Other town in Myanmar (urban) 3 Urban area abroad 4 Rural (Myanmar or abroad)	Codes below	Codes below	**FIRST REASON** 98 NA	**SECOND REASON**
2.1											
2.2											
2.3											
2.4											

C204
1 Yangon
2 Mandalay
3 Nay Pyi Taw
4 Kachin
5 Shan
6 Sagaing
7 Magwe
8 Ayeyarwady
9 Bago
10 Kayin/Karen
11 Mon/Tanintharyi
12 Chin/Rakhine
13 Thailand
14 China
15 Malaysia/Singapore
16 Other country (Specify)..

C206
1 Agricultural farmer
2 Wage laborer (farm)
3 Wage laborer (non-farm)
4 Craftsman
5 Professional or government job
6 Trader
7 Other enterprise (non-farm)
8 Natural resource extraction
9 Student
10 Homemaker
11 Dependent
12 Retired
13 Unemployed but seeking work
14 Store employee
98 NA

C207
21 Agricultural worker
22 Garments factory worker
23 Other factory worker
24 Domestic staff
25 Waiter/shop worker/other service sector worker
26 Construction worker
27 Government job
28 Trading
29 Mining
30 Natural resource extraction
31 Porter/other casual non-farm work
32 Fishing/seaman
98 NA
99 Other (Specify)

C208
1 No/not enough agricultural land
2 For higher salary
3 Not willing to work farm job
4 Farm income is low/not enough/not profitable
5 Not physically strong enough to do farm job
6 Surplus labor
7 Slack season
8 Not enough food
9 Pay for education/healthcare
10 Pay off debt
11 For adventure
12 To gain new skills
13 For professional work in accordance with one's expertise
14 Government assignment
98 NA

C2. LONG TERM MIGRATION, continued

№	C209	C210	C211	C212	C213	C214	C215	C216	C217
	How much did [..name..] have to pay for their most recent migration trip? (travel + any brokers fees, passport costs etc.)	Did [..name..] take on any debt in order to migrate on their most recent trip?	What amount did they borrow ?	Has this debt been fully repaid now?	How much money has been repaid (including the interest)?	At the first time [..name..] left, did he/she have a child?	Does [..name..] have a child/ children now?	Where did the child/ children live during most recent migration?	Who was the primary care giver for the child/ children during most recent migration?
	98 NA	1 Yes 2 No >> C214	KYAT	1 Yes 2 No>> C214 3 Partially Paid	KYAT	1 Yes 2 No	1 Yes 2 No >> C218	1 At migration destination 2 In HH of interview 3 In this village	1 Migrant [..name..] 2 Migrants' Spouse 3 Migrant's parents 4 Migrant's parents in law 5 Migrant's siblings 6 Other relative 98 N/A
2.1									
2.2									
2.3									
2.4									
2.5									

C2. LONG TERM MIGRATION, continued

Nº	C218	C219			C220	C221	C222		C223			C224	C225		C226
	Did [..name..] send any remittances in the last 12 months?	How much did [..name..] send back in remittances during the past 12 months?			How many times has [..name..] been back to visit the household during the last 12 months?	In the last 12 months, did [..name..] bring back money/goods when he/she returned or visited?	In the last 12 months, what was the total value of cash/goods he/she brought back home?		Complete if answer to C218 or C221 is equal to 1 How were remittances received during the last 12 months used? List the first, second and third most important uses by value			Has [..name..] returned fromtheir most recent migration?	For what reason did [..name..] return? (list the first and second most important reasons)		When did [..name..] return?
	1 Yes 2 No >>C221	AMOUNT	1 Kyat 2 Lakh Kyat	PER.. 1 Day 2 Week 3 Month 4 Total 12 mos	**NUMBER**	1 Yes 2 No >>C223	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	FIRST USE **SEE CODES**	SECOND USE **SEE CODES**	THIRD USE **SEE CODES**	1 Yes, permanently 2 Yes, temporarily 3 No > NEXT PERSON	**FIRST REASON**	**SECOND REASON** 98 NA	**YYYY**
2.1															
2.2															
2.3															
2.4															
2.5															

C3. OTHER INCOME

C301	C302	C303
In the last 12 months, how much did you receive in remittances from persons not already mentioned?	In the last 12 months, how much did you send out in remittances?	In the last 12 months, how much did you receive in pensions?
kyats	kyats	kyats

C223
1 Day to day household expense
2 Agricultural operation costs
3 Educational costs of household members
4 Child care
5 Medical expenses
6 Savings (e.g. gold)
7 Repayment of debt
8 House construction
9 House repair
10 Purchase land for house
11 Purchase agricultural land
12 Purchase agricultural machinery
13 Purchase livestock
14 Purchase motor vehicle
15 Start a business
16 Pay marriage costs
17 Give donations

C225
1 Loss of job
2 No employment possibilities
3 Poor work conditions
4 Harrassment by authorities
5 Lack of legal status
6 Have achieved remittance or savings goal
7 Have learned skills
8 Job prospect at home
9 Illness/incapacity to work
10 Take care of child
11 Take care of other family member
12 Marriage
13 Pregnancy
14 Ordination
15 To start a business
16 Home sickness
17 Unable to save money

№	C227
	Do you expect [..name..] to migrate again?
	1 Yes 2 No 3 not sure 97 DK
2.1	
2.2	
2.3	
2.4	
2.5	

D1.Casual Labor

D100A. Did anyone in your household work for daily wages (*nae sar*) or piece-rate (*pote pyat*) as a casual laborer (kya ban) in the last 12 months? 1-YES 2-NO |___| >> D2

	D100	D101	D102	D103	D104	D105												D106		D107		
No	Name	HH ID FROM SEC. A1	What type of work did [..name..] do in the past 12 months?	Where did [..name..] work?	Did [..name..] work all months in the past 12 months?	In which months in the past 12 months did [..name..] work?												During the months in which [..name..] worked [**PLEASE READ THE MONTHS**], how many days or weeks did [..name..] work per month?		How much did [..name..] receive in wages per day, week or month during the months that [..name..] worked?		
			1 Agricultural labourer 2 Stevedore 3 Transport worker 4 Miner 5 Carpenter/mason 6 Construction worker 7 Worker at mill (rice/oil/wood) 8 Worker in other non-farm enterprise 99 Other (specify)	SEE CODES	1 Yes >> D106 2 No	1-Did casual labor this month												NUMBER	UNIT OF TIME 1 Days per month 2 Weeks per month 3 Half-days	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	PER… 1 Day 2 Week 3 Month 4 Total last 12
						03	04	05	06	07	08	09	10	11	12	01	02					
1																						
2																						
3																						
4																						
5																						

D103

1 This village
2 This village tract
3 Neighboring village tract
4 Rural area in this township
5 Rural area in another township (this region)
6 Rural area in another region
7 Town in this township (specify name of town) .....
8 Mandalay city
9 Monywa city
10 Magway city
99 Other (Specify) .....

D2. SALARIED EMPLOYMENT

D200A. Did anyone in your household work for a salary in the last 12 months? 1 Yes 2 No>> D3 |____|

	D200	D201	D202	D203	D204	D205												D206		
No	Name	**ID,SEC. A1**	What type of work did [..name..] do in the past 12 months?	Where did [..name..] work?	Did [,,name..] work all months in the past 12 month?	In which months in the past 12 months did [..name..] work?												What was the salary [..name..] earned in this paid work?		
			1 Permanent labor (agriculture) 2 Permanent labor (SME) 3 Factory work 4 Teacher 5 Soldier 6 Other Gov't worker 7 Mechanic/Construction worker 8 House helper 99 Other (Specify)	**SEE CODES**	1 Yes >> D206 2 No	1-Did salaried employment this month												AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	PER.. 1 Month 2 Total for last 12 mos. 3 Bi-monthly (2x/month)
						03	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**01**	**02**			
1																				
2																				
3																				
4																				
5																				

D203
1 This village
2 This village tract
3 Neighboring village tract
4 Rural area in this township
5 Rural area in another township (this region)
6 Rural area in another region
7 Town in this township (specify name of town).
8 Mandalay city
9 Monywa city
10 Magwe city
99 Other (Specify)

D3. SELF-EMPLOYMENT: NONFARM-ENTERPRISES

D301		D302	D303	D304		D305	D306		
Activity		Did any member of the household engage in [..activity..] in the last 12 months? 1 Yes 2 No→NEXT ACTIVITY	When was the business first started? YYYY 97 D/K	How much capital was required to start up the business? AMOUNT 97 DK 98 NA	 UNIT 1 Kyat 2 Lakh Kyat	What was the main source of startup capital? 1 Income from non-farm employment 2 Remittances/savings from migration 3 Income from agricultre 4 Loan from friend/relative 5 Loan from monylender 6 Loan from MFI or Co-op 7 Loan from bank 98 NA 99 Other (specify)	Who in the household was responsible for this [..activity..]? ID 1	ID 2	ID 3
1 Dry goods shop	01								
2 Grocery vendor	02								
3 Crop trading business	03								
4 Other trading business (Specify)	04								
5 Tailoring/Dressmaking	05								
6 Motorcycle taxi service/Motorbike rental	06								
7 Car/truck/boat/tralarjee rental	07								
8 Betel nut kiosk owner	08								
9 Teashop/Restaurant	09								
10 Selling snacks/drinks	10								
11 Oil milling	11								
12 Rice milling	12								
13 Peanut threshing business	13								
14 Other food processing business (specify)	14								
15 Carpentry/metalwork/ mechanic	15								
16 Construction business	16								
17 Hairdresser/barber/beauty salon	17								
18 Electronic goods sales/services/repair	18								
19 Professional services (lawyer, Dr. etc)	19								
20 Crafts or artisan activities (e.g. weaver)	20								
21 Land speculation business	21								
22 Brickmaking	22								
23 2-wheel tractor rental service	23								
24 4-wheel tractor rental service	24								
25 Combine harvester	25								
26 Thresher rental service	26								
27 Generator rental	27								
28 Pump rental	28								
29 Cutter/reaper rental	29								
30 Draft animal rental	30								
31 Solar panel rental	31								
99 Other (Specify) _____	99								

D3. SELF-EMPLOYMENT: NONFARM-ENTERPRISES, continued

D301		D307	D308											D309	D310			D311			D312		
Activity		Did the household engage in [..activity..] all months in the past 12 months? 1 Yes>D309 2 No	In which months did your household engage in [.. activity..]? 1-Engaged in activity											On average, how many days did the household engage in [..activity..] in every month? NUMBER	How much did the household spend on labour for [..activity..] in the last 12 months?			How much did the household spend on recurring costs for [..activity..] in the last 12 months?			How much did the household receive in sales from this [..activity..] in the last 12 months?		
			03	04	05	06	07	08	09	10	11	12	01	02	AMOUNT 97 DK 98 NA	UNIT 1 Kyat 2 Lakh Kyat	PER … 1 Days 2 Week 3 Month 4 Total for last 12 mos	AMOUNT 98 NA	UNIT 1 Kyat 2 Lakh Kyat	PER … 1 Days 2 Week 3 Month 4 Total for last 12 mos	AMOUNT 98 NA	UNIT 1 Kyat 2 Lakh Kyat	PER … 1 Days 2 Week 3 Month 4 Total for last 12 mos
1 Dry goods shop	01																						
2 Grocery vendor	02																						
3 Crop trading business	03																						
4 Other trading business (Specify)	04																						
5 Tailoring/Dressmaking	05																						
6 Motorcycle taxi service/Motorbike rental	06																						
7 Car/truck/boat/tralarjee rental	07																						
8 Betel nut kiosk owner	08																						
9 Teashop/Restaurant	09																						
10 Selling snacks/drinks	10																						
11 Oil milling	11																						
12 Rice milling	12																						
13 Peanut threshing business	13																						
14 Other food processing business	14																						
15 Carpentry/metalwork/ mechanic	15																						
16 Construction business	16																						
17 Hairdresser/barber/beauty salon	17																						
18 Electronic goods sales/services/repair	18																						
19 Professional services (lawyer, Dr. etc)	19																						
20 Crafts or artisan activities (e.g. weaver)	20																						
21 Land speculation business	21																						
22 Brickmaking	22																						
23 2-wheel tractor rental service	23																						
24 4-wheel tractor rental service	24																						
25 Combine harvester rental service	25																						
26 Thresher rental service	26																						
27 Generator rental	27																						
28 Pump rental	28																						
29 Cutter/reaper rental	29																						
30 Draft animal rental	30																						
31 Solar panel rental	31																						
99 Other (Specify) _____	99																						

D4. SELF-EMPLOYMENT: RESOURCE EXTRACTION

D400		D401	D402			D403	D404	D405											D406
Activity		Did any member of the household engage in [..activity..] in the last 12 months?	Who in the household was responsible for this [..activity..]?			Did the household sell products from [..activity..]?	Did the household engage in [..activity..] **all** months in the past 12 months?	In which months did your household engage in [.. activity..]?											On average, how many days did the household engage in [..activity..] in every month?
		1 Yes 2 No>> NEXT ACTIVITY	ID 1	ID 2	ID 3	1 Yes 2 No..>>NEXT ACTIVITY	1 YES >>D406 2 NO	1-Engaged activity											NUMBER
								03	04	05	06	07	08	09	10	11	12	01	02	
1 Catching wild fish	1																			
2 Collecting firewood	2																			
3 Making charcoal	3																			
4 Extracting timber from forest	4																			
5 Cutting bamboo	5																			
6 Mining	6																			
7 Collection of nipa palms, leaves, etc.	7																			
8 Collection of wild foods (honey, vegetables etc.)	8																			
9 Hunting (wild animals, birds)	9																			
99 Other _____	99																			

D4. SELF-EMPLOYMENT: RESOURCE EXTRACTION, continued

D400		D407			D408			D409		
Activity		How much did the household spend on labour for [..activity..] in the last 12 months?			How much did the household spend on recurring costs for [..activity..] in the last 12 months?			How much did the household receive in sales from this [..activity..] in the last 12 months?		
		AMOUNT 97 DK 98 NA >> E409	UNIT 1 Kyat 2 Lakh Kyat	PER … 1 Days 2 Week 3 Month 4 Total for last 12 months	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	PER … 1 Days 2 Week 3 Month 4 Total for last 12 months	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	PER … 1 Days 2 Week 3 Month 4 Total for last 12 months
1 Catching wild fish	1									
2 Collecting firewood	2									
3 Making charcoal	3									
4 Extracting timber from forest	4									
5 Cutting bamboo	5									
6Mining	6									
7 Collection of nipa palms, leaves, etc.	7									
8 Collection of wild foods (honey, vegetables etc.)	8									
9 Hunting (wild animals, birds)	9									
99 Other _____	99									

E. DISPOSED PARCELS SINCE 1988

E100A. Did your household dispose/ lose possession of any land that your household owned since 1988? 1=Yes 2= No 97= DK If 2 (or)97>>next module

No	E100 Reason for Disposal	E101 What was the size of this parcel?		E102 In which year did the HH dispose/lose possession of this parcel?	E103 Has the disposed land been ever recovered or the other new land been given as	E104 If yes, which year did the land been recovered?	E105 Did the household receive financial compensation at the time of	E106 How much was received in total?		E107 Who obtained the parcel from you?	E108	E109 What is the parcel's use now?	E110 What type of document did your household have for this parcel?	E111 What happened to your household as an outcome of disposal of the parcel? (list 3 main outcomes, ranked in order of importance)"		
	1 Sold due to debt 2 Sold due to dispute 3 Sold to fund investment 4 Sold to fund migration 5 Sold to pay for medical care 6 Sold following inheritance 7 Sold as insufficent labor to farm 8 Sold as land of poor quality 9 Lost due to erosion/landslide 10 Given to family member 11 Religious donation 12 Confiscated by authorities 13 Grabbed by private individual individual 99 Other (specify)	NUMBER	UNIT 1 Acre 2 Feet^2 3 Taung^2 99 Other specify	YYYY	1 Yes 2 No >> E105	YYYY	1 Yes 2 No 2 >> E110	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	1 Relative 2 Private individual 3 Private individual (this township) 4 Private individual township/region) 5 Local offical 6 State insitution 7 Company (SPECIFY 8 Military 98 NA 99 Other (Specify)	1 Residence 2 Low land 3 Ya crop land 4 Orchard 5 Khaing crop land 6 Other agricultral 7 Uncultivated 8 Pasture 9 Business/shop 10 Pond 11 Bamboo garden 12 Tree plantation 99 Other (specify)	1 Residence 2 Low land 3 Ya crop land 4 Orchard 5 Khaing crop land 6 Other agricultral 7 Uncultivated 8 Pasture 9 Business/shop 10 Pond 11 Bamboo garden 12 Tree plantation 13 Public good (road etc.) 14 Private industry 99 Other (specify)	1 Form 7 2 Form 105 3 La Na 39 4 Contract 5 Tax receipt 6 AIN grant 7 None 99 Other, verify	1 HH gave up agriculture 2 HH member migrated to 3 Reduction of agri income share 4 HH member migrated to another 5 HH became dependent on 6 HH became dependent on non- 7 HH lost place of residence 8 No negative effect 99 Other (Specify) 98 N/A	First outcome	Second outcome	Third outcome
1																
2																
3																
4																
5																

F1. PARCEL INSTRUCTIONS

ENUMERATOR: PLEASE TELL RESPONDENT THAT YOU WOULD LIKE TO HIM/HER ABOUT PARCELS HE OWNS AND THOSE HE MAY NOT OWN BUT OPERATES.

START WITH RESIDENTIAL PARCELS, FOLLOWED BY AGRICULTURAL PARCELS AND THEN ALL OTHER PARCELS AND ASK THE FOLLOWING QUESTIONS

1. How many parcels do you own?
2. How many parcels do you not own but operate?

DRAW THE PARCELS AND NUMBER THEM

3. What is the size of each parcel?
4. Was parcel acquired all in one transaction?
5. Does parcel have only one documentation/agreement that confers use rights?

IF ANSWER TO 3 OR 4 IS NO, ASK

6. How many divisions does the parcel have in terms of documentation /agreement?
7. What is the area of each subparcel?

RECORD THE INFORMATION ON SECTION F2

F2. LIST OF PARCELS

START WITH RESIDENTIAL PARCELS, FOLLOWED BY AGRICULTURAL PARCELS AND THEN ALL OTHER PARCELS AND ASK THE FOLLOWING QUESTIONS

		F200A	F200	F201		F202	F203	F204	F205	F206		F207		F208	
No.		Name of parcel	Use of parcel	What is the area of this parcel?		Where is this parcel located?	When did your household acquire this parcel?	What is the tenure status of this parcel? 1 >> F205 2 to 5 >> F209 6 to 8>> F207 9 & 10>>F208 11 & 99 >> F209	How did household acquire this parcel?	What was the purchase price for the parcel? **AFTER ENTRY SKIP TO**		What is the annual rental in value for the parcel?		What is the annual rental out value for the parcel?	
			1 Residence 2 Low Land 3 Upland 4 Orchard 5 Khaing crop land 6 Other agricultral 7 Uncultivated 8 Pasture 9 Business/shop 10 Pond 11 Bamboo garden 12 Tree planatation 99 Other (specify)	NUMBER	UNIT 1 Acre 2 Feet^2 3 Taung^2 99 Other specify	1 This village 2 This village tract 3 Neighboring village tract 4 Nearest town 5 Nearest city 6 Other township (Specify) 7 Other region (Specify)	Y Y Y Y	1 Owned and operated 2 Borrowed in 3 Borrowed out 4 Morgaged in 5 Morgaged out 6 Leased in from private owner 7 Leased in from state institution 8 Sharecropped in 9 Leased Out 10 Sharecropped out 11 Illegally settled 99 Other (specify)	1 Purchased 2 Inherited 3 Allocated by state 4 Occupied by self 5 Gift 99 Other (Specify)	AMOUNT	UNIT 1 Kyat 2 Lakh	AMOUNT	UNIT 1 Kyat 2 Lakh	AMOUNT	UNIT 1 Kyat 2 Lakh

F2A. LIST OF PARCELS, continued

		F209		F210	F211
No.		What was the use of the parcel … **CODES ON THE SIDE**		Do you or a member of your household have a document that confers use rights of the parcel to you?	What type of document do you or a member of your household have?
		FIVE YEARS AGO 98 NA	AT TIME OF ACQUISITION 98 NA	1 Yes 2 No >> F212	1 Form 7 2 Form 105/U paing 3 La Na 39 4 Contract 5 Tax receipt 99 Other, verify **CODE APPLICABLE FOR RESIDENCES ONLY** 6 AIN Grant

F209
1 Residence
2 Low Land
3 Upland
4 Orchard
5 Khaing crop land
6 Other agricultral land (specify)
7 Uncultivated
8 Pasture
9 Business/shop
10 Pond
11 Bamboo garden

F2B. AGRICULTURAL PARCELS

F212	F213	F214	F215	F216	F217	F218	F219	F220
Parcel No.	AGRI-PARCEL Mark with an X"	Was the parcel cultivated in the past [..reference..] period? 1 Yes 2 No >>next parcel	Was the parcel flood affected during the last [...reference..] period? 1 Yes 2 No	Was the parcel drought affected during the last [..reference..] period? 1 Yes 2 No	Is the parcel subdivided by crops or cropping pattern? 1 Yes 2 No >> F219	How many subdivisions does it have? number	Was the parcel planted <u>entirely</u> to perennial crops or horticultural crops in the past [..reference..] period? 1 Yes>>skip to next parcel 2 No	During the [..reference peiod..], did you cultivate rice, green gram, sesame or groundnuts on this 1 Yes 2 No
101								
102								
103								
104								
105								
106								
107								
108								
109								
110								
111								
112								
113								
114								
115								

F3 - AGRICULTURAL PLOT & SUB-PLOT ROSTER

ENUMERATOR: INCLUDE ONLY THOSE PARCELS WHERE F220=1

F301	F302	F303	F304					F305					F306					FLAG1	FLAG1
Parcel No.	Subdivision	What is the area of each sub-division	PRE-MONSOON					MONSOON					POST-MONSOON □2015/16 □2016/17						
			Crops grown	Crop Code	Area of crop	Is the subdivision 1 Monocropped 2 Intercropped 3 Mixed cropped	What was the primary irrigation source?	Crops grown	Crop Code	Area of crop	Is the subdivision 1 Monocropped 2 Intercropped 3 Mixed cropped	What was the primary irrigation source?	Crops grown	Crop Code	Area of crop	Is the subdivision 1 Monocropped 2 Intercropped 3 Mixed cropped	What was the primary irrigation source?	Is irrigated 1=Yes	

F304, F305, F306 (Crop)

1 Paddy	6 Green gram	11 Sorghum
2 Groundnut	7 Black gram	12 Millet
3 Sesame	8 Chick pea	13 Cotton
4 Sunflower	9 Other bean, spec.	14 Sugar cane
5 Pigeon pea	10 Maize	15 Chillies

F304, F305, F306 (Cropping)

1 Monocropped
2 Intercropped
3 Mixed cropped

F304, F305, F306 (Irrigation)

1 Rainfall
2 Dam irrigation
3 Well/groundwater
4 River/stream
99 Other, specify

G1. MAJOR CROPS

G101		G102	G103	G104		G105				G106				G107		G108		
						First state				Second state								
Crop		Did the household grow this crop in the last	How many acres in total did you plant to [..crop..]?	How much [..crop..] did you harvest in the last [..reference..] period?		How much [..crop..] did you sell in the last [..reference..] period?		What is the state of sales for [..crop..]?	What was the unit price of ..crop..] at the time you	How much [..crop..] did you sell in the last [..reference..] period?		What is the state of sales for [..crop..]?	What was the unit price of ..crop..] at the time you sold the	What was the total value of sales of [..crop..] in the last [..reference..] period?		What is the cost of production of crop per basket/acre?		
		1 Yes 2 No >> NEXT ITEM		AMOUNT 97 DK 98 NA IF 0" SKIP TO G108	UNIT SEE BELOW	AMOUNT 97 DK 98 NA IF 0" SKIP TO G108	UNIT CODES BELOW	1 Unmilled/unthreshed /with shell 2 Milled/Threshed /without shell 3 Oil 4 Fresh	Price (in Kyat)/ u	AMOUNT 97 DK 98 NA IF 0" SKIP TO G108	UNIT CODES BELOW	1 Unmilled/unthreshed /with shell 2 Milled/Threshed /without shell 3 Oil 4 Fresh	Price (in Kyat)/ u	AMOUNT	UNIT 1 Kyat 2 Lakh	AMOUNT	UNIT 1 Kyat 2 Lakh	PER.. 1 Acre 2 In total
1 Paddy	01																	
2 Groundnut	02																	
3 Sesame	03																	
4 Sunflower	04																	
5 Pigeon pea	05																	
6 Green gram	06																	
7 Black gram	07																	
8 Chick pea	08																	
9 Other bean (Specify)	09																	
10 Maize (for grain)	10																	
11 Shorghum (for grain)	11																	
12 Millet	12																	
13 Cotton	13																	
14 Sugar cane	14																	
15 Chillies	15																	

G104, G105, G106

1 Basket	4 (Number of times)	7 Hand (banana)	99 Other, specify
2 Pyi	5 Bundle	8 Number per unit	
3 Viss	6 Bunch(banana)	9 Kilograms	

G2. HORTICULTURAL CROPS

G201		G202	G203	G204	G205		G206			G207		
Crop		Did the household grow this crop in the last 12 months?	How many acres in total did you plant to [..crop..]?	Did you grow (..Crop..) for	How much [..crop..] did you sell in the last 12 months?		What was the value of sales of [..crop..] in the last 12 months?			What is the cost of production of crop per basket/acre?		
		1 Yes 2 No >> NEXT ITEM	Acres 95 -only a small area	1 Own consumption only 2 Commercial production only 3 Both 1>> Next item	AMOUNT If 0>>G207	UNIT SEE BELOW	AMOUNT	UNIT 1 Kyat 2 Lakh	PER.. 1 Unit 2 In total	AMOUNT	UNIT 1 Kyat 2 Lakh	PER.. 1 Unit 2 In total
31 Betel leaf	31											
32 Shallot/onion	32											
33 Long pea	33											
34 Okra	34											
35 Potato	35											
36 Tomato	36											
37 Egg plant	37											
38 Water Melon	38											
39 Musk melon	39											
40 Pineapple	40											
41 Cucumber	41											
42 Ridged gourd	42											
43 Roselle	43											
Other, spec	___											

G205

1 Basket	4 (Number of times)	7 Hand (banana)	99 Other, specify
2 Pyi	5 Bundle	8 Number per unit	
3 Viss	6 Bunch(banana)	9 Kilograms	

G3. FRUITS & TREE CROPS

G301		G302	G303	G304	G305		G306			G307		
Crop		Did the household grow this	How many acres in total did you plant to	Did you grow (..Crop..) for	How much [..crop..] did you sell in the last 12 months?		What was the value of sales of [..crop..] in the last 12 months?			What is the cost of production of crop in the last 12 months?		
		1 Yes 2 No >> NEXT ITEM	Acres 95 -only a small area	1 Own consumption only 2 Commercial production only 3 Both 1>> Next item	AMOUNT 0>> G307	UNIT SEE BELOW	AMOUNT	UNIT 1 Kyat 2 Lakh	PER.. 1 Unit 2 In total	AMOUNT	UNIT 1 Kyat 2 Lakh	PER.. 1 Unit 2 In total
61 Banana	61											
62 Mango	62											
63 Papaya	63											
64 Coconut	64											
65 Bamboo	65											
66 Betel nut	66											
67 Eucalyptus	67											
68 Toddy palm	68											
69 Drumstick	69											
70 Guava	70											
71 Lemon	71											
Other (specify)	72											
Other (specify)	___											

G305

1 Basket
2 Pyi
3 Viss
4 (Number of times)
5 Bundle
6 Bunch(banana)
7 Hand (banana)
8 Number per unit
9 Kilograms
99 Other, specify

H. LIVESTOCK

H100		H101	H102	H103	H104		H105		H106			H107
Livestock code		In the past 12 months, did your household raise 1 YES 2 NO >>NEXT ANIMAL	How many [LIVESTOCK] do you have now? ANIMALS	How many [LIVESTOCK] did you buy in the last 12 months? 0, Skip to>> H10	What was the (average) price per animal?		How many [.LIVESTOCK.] did you sell in the last 12 months?		What was the (average) price?			In the past 12 months, did you sell any product of [.. livestock..] (meat, eggs, milk, butter, manure, etc.)? 1 YES 2 NO >> H109
					AMOUNT	UNIT 1 Kyat 2 Lakh	Amount 0, Skip to>>H1	Unit 1 animal 2 viss	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	UNIT 1 per animal 2 total 3 Viss	
Chickens	1											
Ducks	2											
Pigs	3											
Cows/Oxen	4											
Water buffaloes	5											
Goat	6											
Sheep	7											
Draft Animal	8											
Other (specify)	9											

H. LIVESTOCK, continued

H100		H108		H109	H110		H111	H112	
Livestock code		In the past 12 months, what was your total income from sales of product of [.. Livestock..] ?		In the past 12 months, did you employ any labour to raise [..Livestock..] ?	In the past 12 months, how much did you spend on labour to raise [Livestock]?		In the past 12 months, did you spend any money on other inputs (e.g feeds) or veterinary costs for raising	In the past 12 months, how much did you spend on other inputs for raising [..Livestock..]?	
		AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	1 YES 2 NO >> H111	AMOUNT 98 NA	UNIT 1 Kyat 2 Lakh Kyat	1 YES 2 NO >> NEXT ITEM	AMOUNT 97 DK 98 NA	UNIT 1 Kyat 2 Lakh Kyat
Chickens	1								
Ducks	2								
Pigs	3								
Cows/Oxen	4								
Water buffaloes	5								
Goat	6								
Sheep	7								
Draft Animal	8								
Other (specify)	9								

I. OWNERSHIP OF PRODUCTIVE ASSETS

I101		I102	I103	I104	I105	I106		I107
Assets		Does your household own [..item..] at present?	How many of [..item..] does your household own at present?	When did your household acquire [..item..] for the first time?	When did your household most recently acquire [..item..] ?	How much did the most recently acquired [..item..] cost?		How was the item purchased?
	CODE	1 Yes 2 No 2 >> NEXT ITEM	NUMBER	YYYY 97 D/K 98 NA	YYYY 97 D/K 98 NA	AMOUNT 97 D/K 98 NA	UNIT 1 Kyat 2 Lakh Kyat	**CODES BELOW**
1 Cow/Oxen (Draft animal)	1							
2 Buffalo (Draft animals)	2							
3 Tractor (1 wheel)	3							
4 Tractor (2 wheel)	4							
5 Tractor (4 wheel)	5							
6 Combine harvester	6							
7 Mechanized Cutter for animal feed	7							
8 Reaper	8							
9 Mechanical thresher (paddy/pulses)	9							
10 Mechanical thresher (groundnut)	10							
11 Rice mill (huller)	11							
12Oil mill	12							
13 Trawlarjee	13							
14 Diesel or petrol engine / generator	14							
15 Surface water pump (agri)	15							
16 Groundwater pump (agri)	16							
17 Groundwater pump (domestic)	17							
18 Motorbike	18							
19 Car	19							
20 Truck	20							
21 Three-wheel cycle	21							
22 Motor Boat	22							
23 Solar panel	23							
99 Other	99							

I107

1 HP installments through bank	6 Loan from Dept of Cooperatives
2 HP installments from dealership	97 DK
3 Cash down, using own savings	98 NA
4 Cash down, using informal loan	99 Other arrangement (Specify)
5 Cash down, (savings + informal loan)	

J1. SAMPLE PARCEL CROPPING OVERVIEW

ENUMERATOR:
1. Select a parcel from Section F3
2. Note parcel name and area from Section F2, crops and seasons cultivated in F3
3. Tell respondent that you would like information on one specific parcel and give the parcel details.

J100		J101	J102	J103	J104	J105	J106				J107	J108			J109	J110		
No	Seasons	What crops did you plant in the sample parcel during the last [..reference..] period?	What variety of [..crop..] did you plant in this parcel during the last [..reference..] period?	POST CODE	What kind of variety is this?	When did you first use this variety?	What was the quantity of seed of [..crop..] used in the sample parcel in the last [..reference..] period?				How did you obtain the seed of [..crop..]?	What was the price per unit of seed of [.. crop..]?			From whom did you get seed of [..crop..]?	How much did you harvest from this sample parcel		
	1 Post monsoon 2015/2016 2 Premonsoon 2016 3 Monsoon 2016 4 Post monsoon 2016/2017				1 local 2 improved variety 97 DK	YYYY 1900-several generations ago	Amount	1 Basket 2 Bag 3 Viss 4 Pyi 5 Can 99 Other, specify	1 Acre 2 Total	State 1 Unmilled/unth 2 Milled/Threshe	1 Bought 2 Exchanged>J109 3 Own>>J109 4 Received as gift/aid >J109		1 Kyat 2 Lakh	1 Basket 2 Bag 3 Viss 4 Pyi 5 Can 99 Other, specify	2 Friends/Relatives 3 General Store 4 Agri-input store 5 Company 6 DOA 7 Seed farm 8 NGO 9 Trading house 99 Other (Specify)	Amount	Unit Codes below	State
1																		
2																		
3																		
4																		
5																		
6																		

J110B
1 Basket
2 Pyi
3 Viss
4 (Number of times)
5 Bundle
6 Bunch(banana)
7 Hand (banana)
8 Number per unit
9 Kilograms
99 Other, specify

J110C
1 Unmilled/unthreshed/with shell
2 Milled/Threshed/without shell
3 Oil
4 Fresh

J2. SAMPLE PARCEL OVERVIEW

J201	J202	J203		J204		J205	J206		J207	
Describe soil quality of sample parcel	Did you have pre-harvest losses on this sample parcel?	For which crops?		Reasons for pre-harvest losses		Did you have post-harvest losses (farm-level question?)?	For which crops?		Reasons for post-harvest losses	
1 Good 2 Fair 3 Poor	1 Yes 2 No>>J205			1 Flooding 2 Lack of rains 3 Excessive rains 4 Pests 5 Diseases 6 Wild animals 7 Fires 8 Extreme temperatures *9 Spoilage* 99 Others, specify		1 Yes 2 No>> J208			1 Flooding 2 Lack of rains 3 Excessive rains 4 Pests 5 Diseases 6 Wild animals 7 Fires *8 Extreme temperatures* 9 Spoilage 99 Others, specify	
		1st	2nd	1st	2nd		1st	2nd	1st	2nd

J203, J206

1 Paddy	6 Green gram	11 Sorghum
2 Groundnut	7 Black gram	12 Millet
3 Sesame	8 Chick pea	13 Cotton
4 Sunflower	9 Other bean, spec.	14 Sugar cane
5 Pigeon pea	10 Maize	15 Chillies

J208	J209	J210	J211	J212
Does parcel have a form 7(s)?	ENUMERATOR WAS ABLE TO MEASURE PARCEL WITH GPS	Starting point Latitude	Starting point Longitude	Measured area (acres)
1 Yes>>J210 2 No	1 Yes 2 No>>K101			
		__ __ ° __ __ ' __ __ . __ "	**E0** __ __ ° __ __ ' __ __ . __ "	

K. IRRIGATION

NOTE: All questions in this module refer to the last completed [..reference..] period in the sample plot

K101	K102	K103	K104	K105	K106	K107	K108		
What was the primary source of water for the sample parcel last MONSOON season?	What type of canal did the parcel receive water from?	Where is the parcel located on the canal it recieved irrigation from?	In which year did you first irrigate the parcel using water from this source in MONSOON season?	What was the primary method used to irrigate the sample parcel last MONSOON season?	Were you able to control the timing and volume of water delivery to the sample parcel last MONSOON season?	Did you spend any money on fuel & rental cost of pump to irrigate the parcel during MONSOON	How much did you spend on fuel and rental cost to irrigate the sample during MONSOON season?		
1 Rainfall >>K109 2 Dam irrigation 3 Well /Groundwater 4 River/Stream >K102 99 Other (Specify) 3 & 99>>K104	1 Primary 2 Secondary 97 DK	1 Upstream 2 Downstream 3 Middle 97 DK	YEAR 97 DK 98 NA 1900 several generations	1 Gravity 2 Surface water pump (Govt.) 3 Surface water pump (Pvt.) 4 Groundwater pump (Govt.) 5 Groundwater pump (Pvt.) 6 Hand/Pedal pump 7 Manual 98 N/A 99 Other (Specify)	1 Yes 2 No 3 Partially 98 NA	1 Yes 2 No >> K109	AMOUNT 98 NA	UNIT 1 Kyat 2 Lakh Kyat	PER.. 1 Acre 2 Total

K. IRRIGATION, continued

K109	K110	K111	K112	K113	K114	K115	K116			K117		
What was the primary source of water for the sample parcel during DRY season?	What type of canal did the parcel receive water from?	Where is the parcel located on the canal it recieved irrigation from?	In which year did you first irrigate the parcel using water from	What was the primary method used to irrigate the sample parcel during DRY season?	Were you able to control the timing and volume of water delivery	Did you spend any money on fuel & rental cost of pump to irrigate the	How much did you spend on fuel & rental cost of pump to irrigate the parcel during DRY season?			How much did you pay in irrigation fees (other than fuel costs) during the LAST reference period?		
1 Rainfall >> next mpdule 2 Dam irrigation>>K110 3 Well /Groundwater 4 River/Stream >>K110 98 NA 99 Other (Specify) 3, 99>>K112	1 Primary 2 Secondary 97 DK	1 Upstream 2 Downstream 3 Middle 97 DK	YEAR 97 DK 98 NA 1900-several generations ago	1 Gravity 2 Surface water pump (Govt.) 3 Surface water pump (Pvt.) 4 Groundwater pump (Govt.) 5 Groundwater pump (Pvt.) 6 Hand/Pedal pump 7 Manual 98 N/A 99 Other (Specify)	1 Yes 2 No 3 Partially 98 NA	1 Yes 2 No >> K117	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	PER.. 1 Acre 2 Total	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	PER.. 1 Acre 2 Total

L1 INPUTS

Season 1-Postmonsoon 2015/16 2-Premonsoon 2016 3-Monsoon 2016 4-Postmonsoon 2016/17 ☐

Crops grown ☐ ☐ ☐

	L101	L102	L103	L104			L105		L106		
Input	Nº	Did you use [..input..] in the sample parcel during the last period?	CROP	What was the quantity of [..input..] used?			How did you obtain this [.input.]?		What was the price per unit of [..input..]?		
		1 Yes 2 No >> NEXT ITEM	88- All crops	AMOUNT 97 D/K	1 Bag 2 Viss 3 Bottle 4 Can 5 Package 6 Gallon 7 Bucket 8 Cart 9 Pyi 10 Basket 11 Total 99 Other (specify)	PER.. 1 Acre 2 Total	1 Purchased in credit 2 Purchased without credit 3 Own 99 Other (specify) if 3 >> next		AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	1 Bag 2 Viss 3 Bottle 4 Can 5 Package 6 Gallon 7 Bucket 8 Cart 9 pyi 10 Basket 11 Total 99 Other (specify)
Urea	1										
T-super	2										
Potach	3										
Compound (NPK)	4										
Cow Manure	5										
Other Manure (specify)	6										
Pesticide 1	7										
Pesticide 2	8										
Herbicide 1	9										
Herbicide 2	10										
Fungicide	11										
Pesticide+herbicide	12										
Folier Spray for reproductive growth	13										
	____										
	____										
	____										
	____										

L2A. MECHANIZATION & DRAFT ANIM

Season 1-Postmonsoon 2015/16 2-Premonsoon 2016 3-Monsoon 2016 4-Postmonsoon 2016/17 ☐

Crops grown ☐ ☐ ☐

L200		L201	L201B	L202	L203		L204	L205	L206	L207	L208	L209			
Activities		Did you use machinery for [..activity..]	IF INTER-CROPPED, FOR WHICH CROP	Type of machinery used	How many days did you use [.. machine..] during the last 12 months ?		What was the ownership of [..machine..]?	How did you rent-in [..machine..] ?	Was the machine owner contracted by	From whom did your household rent [..item/service..] ?	Where was the provider of [..item/service..] located?	How much money did you spend on this activity during cultivation or processing of crops from the sample parcel [including any fuel and rental costs]?			
		1 Yes 2 No >> NEXT TASK	88-all	1 One wheel tractor 2 Two wheel tractor 3 Four wheel tractor 4 Combine harvester 5 Thresher 6 Trawlerjee 7 Engine/generator 99 Other (Specify)	Amount	Unit 1 days 2 times 3 half-day 4 hours 99 Other 98 NA	1 Rented 2 Own 3 Borrowed 99 Other (Specify) 2..99 >>L209	1 as an equipment only 2 as a service	1 You for you own farm 2 You for your own farm and a group of other farmers 3 Another farmer, for a group a group of farmers 4 The owner sent his repre-representative to sign up sign up farmers	1 Relative/friend/neighbor 2 Other farmer 3 Company/business 4 DAM 99 Other (Specify)	1 This village 2 This village tract 3 Neighboring village tract 4 Nearest town 5 Magwe City 6 Mandalay City 7 Monywa City 8 Other township (Specify) 9 Other region (Specify) 10 Other city (Specify)	Money	1 Kyat 2 Lakh Kyat	Unit 1 Day 2 Number 3 Half-day 4. Hour 5. Acre 6 Basket 7 Tottal 99 Other	Total Unit
Land preparation	1														
Harvesting	2														
Combine Harvesting	3														
Threshing/Winnowing	4														
Hauling inputs or harvested crops	5														
Other (Specify)	__														
Other (Specify)	__														
	__														
	__														

L2A. MECHANIZATION & DRAFT ANIMAL USE

L200B		L210	L211	L212	L213		L214	L215	L216	L217	L218			
Activities		Were any draft animals used for this activity during cultivation of the sample parcel during the last period?	For which crop	How many pairs of draft animals were used for this activity during cultivation of the sample parcel?	How many days did you use draft animals during cultivation of the sample parcel?		What was the ownership of these animals?	How did you rent-in [..animal ..]?	From whom did your household rent these animals?	Where was the provider of these animals located?	How much money did you spend on rental costs for this service?			
	CO	1 Yes 2 No >> NEXT ITEM	88=all crops	NUMBER OF PAIRS	Amount	Per.. 1 Day 2 number 3 Half 4 Hour 99 Other 98 NA	1 Rented 2 Own 3 Borrowed 99 Other (Specify) 2, 3 >> NEXT ITEM	1 animals only 2 as a service	1 Relative/friend neighbor 2 Other farmer 3 Company/business 99 Other (Specify)	1 This village 2 This village tract 3 Neighboring village tract 4 Nearest town 5 Nearest city 6 Other township (Specify) 7 Other region (Specify) 99 Other (Specify)	AMOUNT	1 Kyat 2 Lakh Kyat	Unit 1 Day 2 Number 3 Half-day 4. Hour 5. Acre 6 Basket 7 Pair 8 Total 99 Other	Total Unit
Land preparation	1													
Direct Seedling	2													
Turning soil between planted furrows	3													
Intercultivation (weeding with plough)	4													
Harvesting	5													
Threshing/winnowing	6													
Hauling inputs or harvested crops	7													
99 Other (Specify)	__													
	__													
	__													
	__													

L3. FAMILY & HIRED CASUAL LABOR

Season 1-Postmonsoon 2015/16 2-Premonsoon 2016 3-Monsoon 2016 4-Postmonsoon 2016/17 ☐

Crops grown ☐ ☐ ☐

L300		L301	L302	L303						L304	L305		L306			L307	
Activity	CODE	For which crop	Type of Labor	Hours/Days L						Paid by:	DAILY RATE		PIECE RATE			Other payments (meals, transport etc.)	
				Men			Women				Men	Women	AMOUNT	PER	Number of acres	Kyats	Unit
		88 All crops	1 Family 2 Hired M,F 3 Hired Group 4 Exchange	No. Persons	No. of days	1 Halfdays 2 Fulldays	No. Persons	No. of days	1 Halfdays 2 Fulldays	1 Daily 2 Piecerate>>L307 3 Free 4 Exchange 3 & 4>> L307	Kyat/Day >> L307			1 Kyats/Acre 2 Baskets/Acre 3 Sacks/Acre 4. Bundles 9 Total>L307	Number of Unit		1 Per person 2 Total 99 Other
1 Seedling prepararion (Paddy Only)	1																
	1																
2 Land preparation excluding labor in animal and mechanization	2																
	2																
3 Transplanting (Paddy Only)	3																
	3																
4 Sowing	4																
	4																
5 Weeding	5																
	5																
6 Fertilizer application	6																
	6																
	__																
	__																
	__																
	__																
	__																
	__																
	__																
	__																
	__																
	__																

L3. FAMILY & HIRED CASUAL LABOR

L300		L301	L302	L303						L304	L305		L306			L307	
Activity	CODE	For which crop	Type of Labor	Hours/Days L						Paid by:	DAILY RATE		PIECE RATE			Other payments (meals, transport etc.)	
				Men			Women				Men	Women	AMOUNT	PER	Number of acres	Kyats	Unit
		88 All Crops	1 Family 2 Hired M,F 3 Hired Group 4 Exchange	No. Persons	No. of days	1 Halfdays 2 Fulldays	No. Persons	No. of days	1 Halfdays 2 Fulldays	1 Daily 2 Piecerate>>L307 3 Free 4 Exchange 3 & 4>> L307	Kyat/Day >> L307			1 Kyats/Acre 2 Baskets/Acre 3 Sacks/Acre 4 Bundles 9 Total>L307	Number of Unit		1 Per person 2 Total 99 Other
Pesticide Application	7																
	7																
Monitoring	8																
	8																
Harvesting	9																
	9																
Threshing/Drying	10																
	10																
Hauling and transporting	11																
	11																

L308. Did household report labor on a per acre basis or on the total area of the sample parcel?	1 Per acre 2 Total	

L4. LONG TERM AGRICULTURAL LABOR

L400. Did you hire any labor for agriculture on a long term basis during the last reference period to work on your farm? 1-YES 2-NO>> Next module... |___|

L401. Did any of them work on the sample parcel? 1-Yes 2-No

N0.	L401	L402	L403		L404			L405	
	Worker Type	How many of the following type of long term workers did you hire to work on thre farm in the last reference period?	How long did you employ them for during the last reference period?		What was the total amount paid each worker in the last reference period?			What was the total value of transport, meals and gifts paid to each worker in the last reference period?	
		NUMBER 0→NEXT Line	NUMBER	1 Days 2 Weeks 3 Months	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	1 Day 2 Week 3 Month 4 Total	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat
1	Women (individual)								
2	Men (individual)								
3	Couple								

M1. MADB CREDIT

M100	M101	M102	M103			M103D		M104		M105				M106		M107
Loan Season	Did you take a loan from MADB within the last reference period?	Why did you not take the MADB loan?	How much was received from this transaction?			For how many acres did you receive the loan for?		When was this credit received?		What were the main purposes you used the loan for? (List in order of significance)				When does this credit have to be fully repaid?		Was it necessary to sell your crop sooner than you would have liked in order to repay the loan in the past reference period?
	1 Yes >>M103 2 No >> M102	1 No Need (have suffient capital) 2 Inconvenient repayment schedule 3 Could access credit from other sources 4 Not available 99 Other (specify) After this, move to next item	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	UNIT 1 acre 2 total	Lowland	Upland	MM	YY	SEE CODES BELOW 1st	2nd	3rd	4th	MM 96 No limit 97 D/K	YY	1 Yes 2 No 98 NA
Monsoon																
Dry season																

M102

1 No need (have suffient capital)
2 Inconvenient repayment schedule
3 Could access credit from other sources
4 Not available
99 Other (specify)

M105

1 Labor for agriculture
2 Inputs for agriculture
3 Seed for agriculture
4 Purchase Agricultural Machinery
5 Expenditure for Livestock
6 Non-agricultural use
7 to rent agricultural machinery
8 general agricultural expenses
99 Other (Specify)
98 NA

M2. OTHER CREDIT USED FOR AGRICULTURE

M200A Did the household receive any credit that was invested in agricultural activities during the last reference period from sources other than MADB? 1 YES, 2 NO |___|

M200	M201	M202	M203	M204		M205		M206	M207		M208		M209	M210	
Loan No.	Source of credit	Main usage of loan	How was this credit recieved?	When was this credit received?		How much was received from this transaction?		Did taking this loan commit you to sell the final product to the loan provider?	What was the rate of interest paid on the loan?		What was the total amount of loan you have to repay? (Principal + Interest)		How must this loan be repaid?	When does this credit have to be fully repaid?	
	CODES BELOW	CODES BELOW	1 In cash 2 In kind 3 Cash & kind	MM 97 DK	YY	AMOUNT	UNIT 1 Kyat 2 Lakh Kyat	1 Yes 2 No	%	PER 1 Month 2 Year 99 Other	AMOUNT 97 DK	UNIT 1 Kyat 2 Lakh Kyat	1 In cash 2 In kind 3 Cash & kind	MM 96 No Limit	YY
1															
2															
3															

M201

1 Private moneylender
2 Relatives/friends
3 Department of cooperatives
4 Microfinance institution
5 Rice or Oil Mill
6 Agricultural input supplier
7 Agricultral trader
8 Agricultural machinary supplier
9 Gold/Pawn shop
10 Revolving Fund
11 Private bank
12 Green revolution fund
99 Other (Specify), _____

M202

1 labor for agriculture
2 inputs for agriculture
3 Seed for agriculture
4 to buy Agricultural Machinery
5 expenditure for Livestock
6 Non-agricultural use
7 to rent agricultural machinery
8 general agricultural expenses
99 Other (Specify)
98 NA

N1. SOURCES OF INVESMENT FOR FARM OPERATING COSTS

N100A		N101	N102
		Which sources of funds did you use to pay for the operating costs of your farm within the last reference months? 1 Yes 2 No >> NEXT ITEM	Please rank the funds used in order of the size of their contribution to total operating costs within the last reference months? 1 First 2 Second 3 Third 4 Fourth 5 Fifth
1 Reinvestment of profit from previous crops	1		
2 Income from agr-labor	2		
3 Income from non-farm business	3		
4 Income from non-farm work	4		
5 Savings from other source	5		
6 Sale of assets	6		
7 Credit	7		
8 Income from sell of livestock	8		
9 Remittances	9		
99 Other _____	99		

O1. AGRICULTURAL PRODUCTION HISTORY

O100A: When did your own household start farming? [ ]

O100B. What was the most important crop that you cultivated in the last reference period? [ ] IF NOT CROP OF INTEREST, SKIP TO SECTION O2

O100		O101	O102	O103	O104	O105	O106	O107	O108	O109	O110	O111
No.		What was your main season for a (….) crop?	Was this crop variety that you planted a local (unimproved) variety?	What was the normal yield of this crop?	Did you apply pesticides to this crop?	Did you apply herbicides to this crop?	How many bags of urea did you apply to this crop, per acre?	How many bags of NPK did you apply to this crop per acre?	Was this crop irrigated?	How was this crop irrigated?	What was the average daily wage of a casual worker (male) harvesting this crop?	Was this crop trans-planted? (Only for paddy)
		1 Premonsoon 2 Monsoon 3 Postmonsoon	1 Local 2 Improved 97 D/K 98 N/A	BSKT/ACRE 97 D/K 98 N/A	1 Yes 2 No 97 D/K 98 N/A	1 Yes 2 No 97 D/K 98 N/A	BAGS/ACRE 97 D/K 98 N/A	BAGS/ACRE 97 D/K 98 N/A	1 Yes 2 No >>O110 97 D/K 98 N/A	1 Dam 2 River pumping 3 Well 4 Other water body (specify) 97 D/K 98 N/A	KYATS (the whole day) 97 D/K 98 N/A	1 Yes 2 No 97 D/K 98 N/A
1	This year											
2	5 years ago											
3	10 years ago:											

O100B

1 Paddy	6 Green gram	11 Sorghum
2 Groundnut	7 Black gram	12 Millet
3 Sesame	8 Chick pea	13 Cotton
4 Sunflower	9 Other bean, spec.	14 Sugar cane
5 Pigeon pea	10 Maize	15 Chillies

O2. AGRICULTURAL ASSETS HISTORY (Entire Farm/ all parcels)

	O200	O201	O202	O203	O204	O205	O206	O207	O208	O209	O210	O211	O212
No.		Did you use a 2WT for land preparation on your farm?	Did you own the 2WT you used?	Did you rent in the 2WT you used?	Did you use a 4WT for land preparation on your farm?	Did you own the 4WT you used?	Did you rent in the 4WT you used?	Did you use a combine harvester on your farm?	Did you own the combine harvester used?	Did you rent in the combine harvester used?	Did you use machinery threshing any of the crops you harvested on your farm?	Did you own the machine used for threshing?	Did you rent in the machine used for threshing?
		1 Yes 2 No >> O204 97 D/K 98 N/A	1 Yes 2 No 97 D/K 98 N/A	1 Yes 2 No 97 D/K 98 N/A	1 Yes 2 No >>O207 97 D/K 98 N/A	1 Yes 2 No 97 D/K 98 N/A	1 Yes 2 No 97 D/K 98 N/A	1 Yes 2 No >>O210 97 D/K 98 N/A	1 Yes 2 No 97 D/K 98 N/A	1 Yes 2 No 97 D/K 98 N/A	1 Yes 2 No 97 D/K 98 N/A	1 Yes 2 No 97 D/K 98 N/A	1 Yes 2 No 97 D/K 98 N/A
1	This year												
2	5 years ago												
3	10 years ago:												

P. DIET DIVERSITY

P01	P02	P03
	We would like to know if any member of your household consumed [..food item..] in the last 24 hours	1 Yes 2 No
1	Rice, noodles, bread, biscuits (and other cereal and grains products)	
2	Potato, sweet potato, and other roots and tubers	
3	Pulses, groundnuts and all other nuts	
4	Vegetables	
5	Meat	
6	Eggs	
7a	All fresh fish/prawns/seafood	
7b	All dried fish/prawns, nga pi, nga pi ye	
8	Fruits	

P01	P02	P03
	We ould like to know if any member of your household consumed [..food item..] in the last 24 hours	1 Yes 2 No
9	Milk, cheese BUT EXCLUDING MILK FOR COFFEE OR TEA	
10	Oil, butter and all fats (including food cooked in these items	
11	Sugar, honey, and food item that has sugar	
12	Tea, coffee	
13	Peppers, spices and other condiments	
14	Other, specify..	

Q. SOURCES OF FARMING INFORMATION

Q101			Q102	Q103	Q104		Q105
Does your household have cellphone network access (from within residence)? 1 Yes 2 No			How many smartphones does the household own?	Have you tried to access the internet via cellphone (whether in this village or outside the village)?	Are you or anyone in your household on social media? 1 Yes 2 No		Have you or any member of your household heard of access to farming information through the internet via your cellphone or thru social media like Facebook?
MPT	Ooredoo	Telenor		1. Yes 2. No	Facebook	Others	1. Yes 2. No

Q106				Q107				Q108	
Have you heard of any of the following? 1 Yes 2 No				If yes to Q106 , have you downloaded any of the apps? 1 Yes 2 No 98 NA				What are your main sources for agriculture information?	
Greenway	Ooredoo Site Pyo	Shwe Theen Nhan	Other farming apps, specify	Greenway	Ooredoo Site Pyo	Shwe Theen Nhan	Other farming apps, specify	1st	2nd

Q108 (BASED ON ACTUAL RESPONSES THAT WERE POSTCODED)

1. Radio
2. TV
3. Another farmer
4. Agri seminar
5 Company
6 Broker house
7 Family/Relatives
8 Internet/Phone/Social Media
9 Neighbors
10 Fortune telling paper
11 Organizations
12 Experience
13 Dealer
14 Input supply shops
15 Advertisement
16 Agriculture graduate
17 Friends
18 Extension workers
19 Books/Newspaper /Journal
20 Brokers
21 Township Agri Office
22 Applications
23 Meetings
24 Trainings
25 Behavior of Animals
97 Don't know