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Sections: 34, Sub-sections: 15,
Questions: 925.
Questions with enabling conditions: 673
Questions with validation conditions:104
Rosters: 31
Variables: 78

Survey Solutions

SHARES HH Questionnaire

SURVEY IDENTIFICATION INFORMATION
QUESTIONNAIRE DESCRIPTION

COVER & HH IDENTIFICATION
No sub-sections, No rosters, Questions: 18, Static texts: 3, Variables: 1.

A2. HOUSEHOLD ROSTER
No sub-sections, Rosters: 1, Questions: 17, Static texts: 1, Variables: 2.

C1. MIGRATION
No sub-sections, Rosters: 1, Questions: 59, Variables: 1.

C2. MIGRATION (CONTINUED. REMITTANCES AND PAYMENTS IN PAST 12 MONTHS)
No sub-sections, Rosters: 1, Questions: 12.

D1. CASUAL LABOR
No sub-sections, Rosters: 2, Questions: 17.

D2. SALARIED EMPLOYMENT
No sub-sections, Rosters: 2, Questions: 17.

D3. SELF EMPLOYMENT : NON-FARM ENTERPRISE
No sub-sections, Rosters: 1, Questions: 22.

D4. SELF EMPLOYMENT: NATURAL RESOURCE EXTRACTION (HOME CONSUMPTION & SALE)
No sub-sections, Rosters: 1, Questions: 16.

E. OWNERSHIP OF PRODUCTIVE ASSETS
No sub-sections, Rosters: 1, Questions: 12.

I1. PARCEL INSTRUCTION
No sub-sections, No rosters, No questions, Static texts: 3.

I2. LIST OF PARCELS
No sub-sections, Rosters: 1, Questions: 33, Static texts: 3, Variables: 34.

J1. CROPS
No sub-sections, Rosters: 1, Questions: 120, Static texts: 2, Variables: 2.

J2. MAIZE AND PIGEON PEA SALES
Sub-sections: 2, Rosters: 2, Questions: 59, Static texts: 3.

L. SAMPLE PARCEL OVERVIEW
Sub-sections: 3, No rosters, Questions: 27, Static texts: 3, Variables: 2.

M1. SEED
No sub-sections, Rosters: 1, Questions: 39, Static texts: 3.

M2. INPUTS
No sub-sections, Rosters: 1, Questions: 32, Static texts: 3.

M3. MACHINE, DRAFT ANIMAL AND LABOR
Sub-sections: 2, Rosters: 2, Questions: 83, Static texts: 3, Variables: 10.

O1. SAMPLE PARCEL HISTORY
No sub-sections, Rosters: 1, Questions: 37, Static texts: 1, Variables: 1.

Q1. MAIZE HISTORY
No sub-sections, No rosters, Questions: 6, Static texts: 1.

A3. HOUSING CHARACTERISTICS
No sub-sections, No rosters, Questions: 34, Static texts: 1.

B. HOUSEHOLD HEAD AND SPOUSE'S PERSONAL HISTORY
Sub-sections: 2, No rosters, Questions: 40, Static texts: 6.

I3. SHIFTING CULTIVATION
Sub-sections: 1, Rosters: 1, Questions: 28, Static texts: 1.

I4. DISPOSED PARCELS SINCE 1988
No sub-sections, Rosters: 1, Questions: 25, Static texts: 1.

F. LIVESTOCK
No sub-sections, Rosters: 1, Questions: 25.

G. CREDIT AND INVESTMENT
Sub-sections: 2, Rosters: 4, Questions: 35, Variables: 7.

K. LONG TERM AGRICULTURAL LABOR
Sub-sections: 2, No rosters, Questions: 21, Static texts: 1.

P. PERCEPTION
No sub-sections, No rosters, Questions: 23, Static texts: 1.

Q1. AGRICULTURAL PRODUCTION PADDY HISTORY
Sub-sections: 1, Rosters: 1, Questions: 20, Variables: 1.

Q2. AGRICULTURAL ASSETS HISTORY (ENTIRE FARM/ ALL PARCELS)
No sub-sections, Rosters: 1, Questions: 7.

R1A. CONSUMPTION (FOOD @ HOME, LAST 7 DAYS)
No sub-sections, Rosters: 1, Questions: 20, Static texts: 1, Variables: 6.

R1B CONSUMPTION (FOOD OUTSIDE, LAST 7 DAYS)
No sub-sections, No rosters, Questions: 6, Static texts: 2, Variables: 5.

R2. EXPENDITURES ON HOUSEHOLD CONSUMABLES, PAST 30 DAYS
No sub-sections, Rosters: 1, Questions: 7, Static texts: 2, Variables: 3.

R3. EXPENDITURES ON HOUSEHOLD CONSUMABLES IN THE PAST 12 MONTHS
No sub-sections, Rosters: 1, Questions: 6, Static texts: 2, Variables: 3.

END OF INTERVIEW
No sub-sections, No rosters, Questions: 2.

APPENDIX A — ENABLING CONDITIONS

APPENDIX B — VALIDATION CONDITIONS AND MESSAGES

APPENDIX C — INSTRUCTIONS

APPENDIX D — OPTIONS

APPENDIX E — VARIABLES

APPENDIX F — OPTION FILTERS

LEGEND

SURVEY IDENTIFICATION INFORMATION QUESTIONNAIRE DESCRIPTION

Basic information

Title SHARES HH Questionnaire

COVER & HH IDENTIFICATION

STATIC TEXT

Shan Agriculture and Rural Enterprise Survey (SHARES), May 2018

STATIC TEXT

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

A001. Enumerator ID	TEXT a001
A002. Supervisor ID	TEXT a002
A003. MCESD Supervisor's Name	SINGLE-SELECT a003 01 ○ Team 1: Sithu Kyaw 02 ○ Team 2: Eaindra Thaint Thaint Thu 03 ○ Team 3: Khun Moe Tun 04 ○ Team 4: Htet Htet Wint Khine 05 ○ Team 5: A Myintzu 06 ○ Team 6: Khaing Wah Soe 07 ○ Team 7: Khin Zin Win 08 ○ Team 8: Zaw Min Naing 09 ○ Team 9: Zin Wai Aung
A004. Township	SINGLE-SELECT a004 01 ○ Lawksawk 02 ○ Taunggyi 03 ○ Hopong 04 ○ Nansang 05 ○ Mong Nai 06 ○ Hsi Hseng 07 ○ Langhko 08 ○ Pekon 09 ○ Pindaya 10 ○ Pinlaung
A005. Ward segment/ Village name	TEXT a005
A006. Ward/Village Tract	TEXT a006
A007. Ennumeration area code E1 `self.InRange(0,999) && ( (a004==2 && (self.InRange(1,16) || self.InRange(71,77)))|| (a004==3 && self.InRange(17,20)) || (a004==6 && self.InRange(21,32)) || (a004==7 && self.InRange(91,96)) || (a004==1` And 229 other symbols [1] M1 This code does not correspond to an EA in the selected township.	NUMERIC: INTEGER ea

A008. Household ID within the EA

NUMERIC: INTEGER hhid

E1 self<=999

M1 Please check again...

A009. Start time and date

DATE: CURRENT TIME a009

VARIABLE

ea * 1000+hhid

LONG eahhid

STATIC TEXT

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 Economics 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 Shan State and carry out analyses to assist policy makers in identifying policies to promote welfare in Myanmar. The researchers are visiting 1600 households in 10 townships and 2 sub-townships and your household was seleted randomly for participation. The interview may take up to 2 hours to complete for a non-agricultural household and may take up to 2 visits to complete for an agricultural household. 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 you or your household be identified. A survey team supervisor will always be present in the village if you have any concerns about the conduct of the interview or enumerator. A CESD staff member will also be making rounds of the survey villages. If you have questions or concerns about your role and rights as a research participant, or you would like to receive more information about this study, please contact, you may contact, Ko Zaw Min Naing or Nang Seng Pin of the Center for Economics and Social Development at 09 449 643 738. We thank you for your cooperation. [Note: Respondent's consent is to be recorded on tablet.]

A010. Do you agree to participate this interview?

SINGLE-SELECT a010

01 ○ Yes

02 ○ No

A011. Name of Household Head

E a010==1

TEXT a011

A012. Name of Household Head's Father

E a010==1

TEXT a012

A013. Name of Respondent

E a010==1

TEXT a013

A014. Respondent Phone Number.

E a010==1

TEXT respondent_ph

A015. What is the respondent's mother tongue?

E a010==1

SINGLE-SELECT a015

01 ○ Shan

02 ○ PaO

03 ○ Kayan

04 ○ Danu

05 ○ Palaung

06 ○ Li Sue

07 ○ Yin

08 ○ Burmese

09 ○ Kayar

10 ○ Chin

99 ○ Other(Specify)

A015s. Please specify the other

E a015 == 99

TEXT a015s

A016. What language was the interview conducted in?

E a010==1

SINGLE-SELECT a016

01 ○ Shan
02 ○ PaO
03 ○ Kayan
04 ○ Danu
05 ○ Palaung
06 ○ Li Sue
07 ○ Yin
08 ○ Burmese
09 ○ Kayah

A017. Was a translator used for the interview?

E a010==1

SINGLE-SELECT a017

01 ○ Yes
02 ○ No

A2. HOUSEHOLD ROSTER

STATIC TEXT

Ask the respondent first about the members of the household. Make sure to include all household members who are currently absent because they migrated for work, even if they were away the entire year. Then ask the respondent about other people who have lived and eaten in this home in past 12 months, even if they are not direct family members.

A201. Enter the household members' name: Start from Household Head

I After first name entered in this list, add question: "is this the HH head? If No, force enumerator to change first name on list to name of HH he ad

LIST a201

VARIABLE

a201.First().Item2.ToString()

STRING head

A202. Is %head% single or married?

SINGLE-SELECT a202

01 ○ Single
02 ○ Married

A2. HOUSEHOLD ROSTER

Roster: HOUSEHOLD ROSTER

generated by list question a201

A2_hh_member

A203. Sex

SINGLE-SELECT a203

01 ○ Male
02 ○ Female

A204. What is %A2_hh_member%'s relationship to %head% [Household Head]?
The first person in the roster must be the household head.
If the first person selected is not Household Head, please return to question A201 and change answer.

F (@optioncode==1 && @rowcode==1)| | (@optioncode!=1 && @rowcode!=1)

E1 `/// Checks only one household head is listed self==1? // / Is this person the household head? /// If household head, check that there has /// not been another household head reported (A2_hh_member.` And 75 other symbols [2]

M1 There must be only one person in the household designated as head.

E2 `/// This code checks that the head and his/her spouse are not of the same gender (a204== 1 && (A2_hh_member.Count (x=>x.a204==2 && x.a203== a203) ==0)) || (a204== 2 && (A2_hh_member.Count (x=>x.a204` And 57 other symbols [2]

M2 It is unlikely that the head and his/her spouse have the same sex. Please confirm.

SINGLE-SELECT a204

01 ○ Head
02 ○ Spouse
03 ○ Son/Daughter
04 ○ Sibling
05 ○ Parent
06 ○ Grandchild
07 ○ Son or daughter-in-law
08 ○ Brother or sister-in-law
09 ○ Parent-in-law
10 ○ Stepchild
11 ○ Other relation
12 ○ Domestic worker
13 ○ Permanent employee
14 ○ Other non-relation

A205. What is %A2_hh_member%'s age?

I Enter completed year...

E1 `! ((a204 == 1 || a204 == 2 || a204 == 5 || a204== 9) && self <15)`

M1 The member's age should be 15 or more.

NUMERIC: INTEGER a205

SPECIAL VALUES
00 [0] - Less than one year

A206. What is %A2_hh_member%'s ethnicity?

I Choose "Mixed" if more than one ethnicity...

SINGLE-SELECT a206

01 ○ Shan
02 ○ Pa-O
03 ○ Burmese
04 ○ Danu
05 ○ Taungyoe
06 ○ Kayan
07 ○ Kayah
08 ○ Innthar
09 ○ Lahu
10 ○ Akha
11 ○ Palaung(Ta'ang)
12 ○ Kayin
13 ○ Wa
14 ○ Kokang
15 ○ Chinese
16 ○ Tamil/ other south asian

And 6 other symbols [1]

A206s. Please specify other ethnicity...

E `a206==99`

TEXT a206s

A206m. What are %A2_hh_member%'s two ethnicities? (max. 2 answers)

E a206==17

MULTI-SELECT a206m

- 01 ☐ Shan
- 02 ☐ Pa-O
- 03 ☐ Burmese
- 04 ☐ Danu
- 05 ☐ Taungyoe
- 06 ☐ Kayan (Karenni)
- 07 ☐ Innthar
- 08 ☐ Lahu
- 09 ☐ Akha
- 10 ☐ Palaung(Ta'ang)
- 11 ☐ Kayin
- 12 ☐ Wa
- 13 ☐ Kokang
- 14 ☐ Chinese
- 15 ☐ Tamil/ other south asian
- 16 ☐ Li Sue

And 2 other symbols [2]

A206ms. Please specify other ethnicity...

E a206m.Contains(99)

TEXT a206ms

A207. What is %A2_hh_member%'s religion?

E a204==1 || a204 == 2

SINGLE-SELECT a207

- 01 ○ Buddhism
- 02 ○ Christianity
- 03 ○ Hinduism
- 04 ○ Islam
- 05 ○ Animist
- 99 ○ Other (specify)

A207s. Please specify other religion...

E a207==99

TEXT a207s

A208. What is the highest grade %A2_hh_member% has completed?

F @optioncode<=(a205-4) ||@optioncode==66 ||@optioncode==96 || @optioncode==97

SINGLE-SELECT a208

- 00 ○ Kinder
- 01 ○ Standard 1
- 02 ○ Standard 2
- 03 ○ Standard 3
- 04 ○ Standard 4
- 05 ○ Standard 5
- 06 ○ Standard 6
- 07 ○ Standard 7
- 08 ○ Standard 8
- 09 ○ Standard 9
- 10 ○ Standard 10
- 11 ○ Under graduate
- 12 ○ Bachelor degree
- 13 ○ Post graduate degree
- 66 ○ Other non-gov education (Monastic education, etc.,)
- 96 ○ Never attended school

And 1 other symbols [3]

A209. Has %A2_hh_member% ever migrated for work (any period longer than a month) ?

E a205 >=8

SINGLE-SELECT a209

01 ○ Yes
02 ○ No

A210. Is %A2_hh_member% currently migrating for work?

E a209==1 && a205 >= 8

SINGLE-SELECT a210

01 ○ Yes
02 ○ No

A211. How many months did %A2_hh_member% live in this home in the last 12 months (Mark 0 for full-time migrants)? Number of months

E a209==1 && a205 >= 8
E1 self<=12
M1 Should not be more than 12 months

NUMERIC: INTEGER a211

SPECIAL VALUES
00 Full-time migrant

A212. What is %A2_hh_member%'s primary and secondary occupation....
Please RANK in order

E a205 >= 8 && a210!=1

MULTI-SELECT: ORDERED a212

01 ☐ Agricultural farmer
02 ☐ Agricultural laborer
03 ☐ Non-agricultural laborer
04 ☐ Craftsman(eg. painter, carpenter)
05 ☐ Professional or government job
06 ☐ Trader
07 ☐ Non-farm salaried employment
08 ☐ Self employment non-farm enterprise
09 ☐ Student
10 ☐ Home maker
11 ☐ Dependent
12 ☐ Retired
13 ☐ Unemployed but seeking work
14 ☐ Natural resource extraction
98 ☐ Not applicable
99 ☐ Other (specify)

A212s. Please specify other occupation...

E a212.Contains(99)

TEXT a212s

VARIABLE
A2_hh_member.Count(x=>x.a204==2)

LONG Spouse

C1. MIGRATION

C1. MIGRATION
Roster: MIGRATION
generated by list question a201

E a209==1

C1_migration

C101 How many times has %C1_migration% migrated?

NUMERIC: INTEGER c101

SPECIAL VALUES
9997 [9997] - Don't know

C102. What year did %C1_migration% migrate the first time?

E1 $Year
M1 Please enter valid Year

NUMERIC: INTEGER c102

SPECIAL VALUES
9997 [9997] Don't know

C103y. In which year did %C1_migration% leave the household the most recent time?Which year

E c101>1
E1 $Year
M1 Please enter valid year !!!!
E2 self>=c102
M2 The last time migration should not be earlier than the first time migration.

NUMERIC: INTEGER c103y

SPECIAL VALUES
9997 [9997] Don't know

C103m. When did %C1_migration% leave the household as the most recent time in %c103y%? Which month?

F @optioncode < 13 && c103y == 2017 || @optioncode < 8 && c103y == 2018
E c103y>=2017 && c103y!=9997

SINGLE-SELECT c103m

01 ○ January
02 ○ February
03 ○ March
04 ○ April
05 ○ May
06 ○ June
07 ○ July
08 ○ August
09 ○ September
10 ○ October
11 ○ November
12 ○ December

C104. Why did %C1_migration% migrate the most recent time? Rank in order for FIRST and SECOND reasons

MULTI-SELECT: ORDERED c104

- 01 ☐ No/not enough agricultural land
- 02 ☐ For higher salary
- 03 ☐ Not willing to work farm job
- 04 ☐ Income low/not enough
- 05 ☐ Farming not profitable enough
- 06 ☐ Not physically strong enough to do farm job
- 07 ☐ Unable to find enough work at home
- 08 ☐ Slack season
- 09 ☐ Not enough food
- 10 ☐ Pay for education/healthcare
- 11 ☐ Pay off debt
- 12 ☐ For adventure
- 13 ☐ To gain new skills
- 14 ☐ For professional work in accordance with one's expertise
- 15 ☐ Government assignment
- 16 ☐ To improve standard of living

And 3 other symbols [4]

C104s. Please specify the other reason...

E `c104.Contains(99)`

TEXT c104s

VARIABLE

`c103y.HasValue? c103y:c102`

LONG migratedYr

C105. Has %C1_migration% returned home to visit since they migrated in %migratedYr%?

SINGLE-SELECT c105

- 01 ○ Yes
- 02 ○ No

C105t. Since %migratedYr% how many times has %C1_migration% returned home to visit since the last time they migrated?

E `c105== 1`

NUMERIC: INTEGER c105t

SPECIAL VALUES

9997 [9997] Don't know

C106. Where did %C1_migration% go the last time he/she migrated for work?

SINGLE-SELECT c106

01 ○ Thailand
02 ○ China
03 ○ Malaysia/Singapore
04 ○ Yangon
05 ○ Mandalay
06 ○ Nay Pyi Taw
07 ○ Kachin
08 ○ Shan
09 ○ Sagaing
10 ○ Magwe
11 ○ Ayeyarwady
12 ○ Bago
13 ○ Kayin/Karen
14 ○ Mon/Tanintharyi
15 ○ Chin/Rakhine
99 ○ Other (Specify)

C106s. Please specify the other last migration destination...

E c106==99

TEXT c106s

C107. What kind of place %C1_migration% was working in the last time he/she left...?

F (@optioncode != 4 && @optioncode!=5) && $InsideMyanmar || (@optioncode > 3) && $OutsideMyanmar || (@optioncode >=1) && c106==99

SINGLE-SELECT c107

01 ○ State/Region capital
02 ○ Other urban area
03 ○ Rural area
04 ○ Urban area abroad
05 ○ Rural area abroad
97 ○ Don't know
98 ○ NA
99 ○ Other (Specify)

C107s. Please Specify the other kind of place...

E c107==99

TEXT c107s

C108. Is %C1_migration% still away? (They are still considered to be away if they are here for a temporary visit and will return back to the migration destination.)

SINGLE-SELECT c108

01 ○ Yes
02 ○ No

C109a. When did %C1_migration% return from that migration? Which Year

E c108==2
E1 $Year
M1 Please enter valid year.

NUMERIC: INTEGER c109a

SPECIAL VALUES
9997 [9997] Don't know

C109b. When did %C1_migration% return from that migration? Which Month

E c109a>2017 && c109a!=9997

SINGLE-SELECT c109b

01 ○ January
02 ○ February
03 ○ March
04 ○ April
05 ○ May
06 ○ June

C110. For what reason did %C1_migration% return? Rank in order for FIRST and SECOND reason

E c108==2

MULTI-SELECT: ORDERED c110

01 ☐ Loss of job
02 ☐ No employment possibilities
03 ☐ Poor work conditions
04 ☐ Harrassment by authorities
05 ☐ Lack of legal status
06 ☐ Have achieved remittance or savings goal
07 ☐ Have learned skills
08 ☐ Job prospect at home
09 ☐ llness/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

And 6 other symbols [5]

C110s. Please specify the other reason of return...

E c110.Contains(99)

TEXT c110s

C111. Do you expect %C1_migration% to migrate again?

E c108==2

SINGLE-SELECT c111

01 ○ Yes
02 ○ No
03 ○ Not Sure
97 ○ Don't Know

C112. How much did %C1_migration% have to pay for their most recent outward migration trip? (travel + any brokers fees, passport costs etc.)

NUMERIC: DECIMAL c112

SPECIAL VALUES
9997 Don't know

C112u. Unit [Kyat or Lakh Kyat]

E c112>0 && c112!=9997

E1 (c112*(LakhtoKyatConversion[(int)self].amount))>=1000 && (c112*(LakhtoKyatConversion[(int)self].amount))<=10000000

M1 Please check again...

SINGLE-SELECT c112u

01 ○ Kyat
02 ○ Lakh Kyat

C113. Did %C1_migration% take on any debt in order to pay for their most recent migration trip?

SINGLE-SELECT c113

01 ○ Yes
02 ○ No

C114. What amount did they borrow ?

E c113==1

NUMERIC: DECIMAL c114

SPECIAL VALUES
9997 Don't know

C114u. Unit [Kyat or Lakh Kyat]

E c114!=9997 && IsAnswered(c114)

E1 (c114*(LakhtoKyatConversion[(int)self].amount))>=10000 && (c114*(LakhtoKyatConversion[(int)self].amount))<=10000000

M1 Please check again...

SINGLE-SELECT c114u

01 ○ Kyat
02 ○ Lakh Kyat

C115. Has this debt been fully repaid now ?

E c113==1

SINGLE-SELECT c115

01 ○ Yes
02 ○ No
03 ○ Paritally

C117. What was the marital status of at the time %C1_migration% first migrated?

SINGLE-SELECT c117

01 ○ married
02 ○ single

C118. At that time, did %C1_migration% have a child?

E c117==1

SINGLE-SELECT c118

01 ○ Yes
02 ○ No

C119. Has %C1_migration%had a child since they first migrated?

E c117==1 && c118==2

SINGLE-SELECT c119

01 ○ Yes
02 ○ No

C120. Where did the child/ children live the last time %C1_migration% was away?

E c118==1 || c119==1

SINGLE-SELECT c120

01 ○ At migration destination
02 ○ In HH of interview
03 ○ this village
99 ○ Other (specify)

C120s. Please specify other place ....

E c120==99

TEXT c120s

.....

C121. Who was the primary care giver for the child/ children while %C1_migration% was away? [..relationship to migrant..]

E c118==1 || c119==1

SINGLE-SELECT c121

01 ○ him/her self
02 ○ Migrant's Spouse
03 ○ Migrant's Parents
04 ○ Migrant's Parents in law
05 ○ Migrant's Siblings
99 ○ Other relative

C122. What was the main occupation of %C1_migration% prior to their first migration?

SINGLE-SELECT c122

- 01 ○ Agricultural farmer (Own farm)
- 02 ○ Agricultural laborer
- 03 ○ Non-agricultural laborer
- 04 ○ Craftsman
- 05 ○ Professional or government job
- 06 ○ Trader
- 07 ○ Other enterprise (non-farm)
- 08 ○ Natural resource extraction
- 09 ○ Student
- 10 ○ Homemaker
- 11 ○ Dependent
- 12 ○ Retired
- 13 ○ Unemployed but seeking work
- 14 ○ Store employee
- 15 ○ Other company staff
- 97 ○ Don't know

And 2 other symbols [6]

C122s. Please specify other occupation...

E c122==99

TEXT c122s

C123. What was the main occupation of %C1_migration% at that destination (occupation during the last migration)?

SINGLE-SELECT c123

- 01 ○ Agricultural worker
- 02 ○ Garments factory worker
- 03 ○ Other factory worker
- 04 ○ Domestic staff
- 05 ○ Waiter/shop worker/other service sector worker
- 06 ○ Construction worker
- 07 ○ Government job
- 08 ○ Trading
- 09 ○ Mining
- 10 ○ Natural resource extraction
- 11 ○ Porter
- 12 ○ Fishing/seaman
- 13 ○ Painter/carpenter/mason
- 14 ○ Other casual non-farm work
- 15 ○ Other company staff
- 16 ○ Other Self employed business

And 2 other symbols [7]

C123s. Please specify other occupation?

E c123==99

TEXT c123s

C124. How did %C1_migration% find out about this job opportunity?

SINGLE-SELECT c124

- 01 ○ Local broker / middleman
- 02 ○ Family member at migration destination
- 03 ○ Friend at migration destination
- 04 ○ Find by him/herself
- 97 ○ Don't know
- 99 ○ Other (Specify)

C124s. Please specify other .....?

E c124==99

TEXT c124s

C125. What was the average wage %C1_migration% made while working away?

E c123!=16

NUMERIC: DECIMAL c125

SPECIAL VALUES
9997 Don't know

C125u. Currency

F (@optioncode != 3 && @optioncode != 4 && @optioncode !=5 && c106 == 1) || (@optioncode != 2 && @optioncode != 4 && @optioncode !=5 && c106 == 2) || (@optioncode != 3 && @optioncode != 2 && c106
And 188 other symbols [1]

E c125!=9997 && IsAnswered(c125)

SINGLE-SELECT c125u
01 Kyat
02 Baht
03 Yuan
04 Ringgit
05 Singapore Dollar
06 USD
99 Other currency (specify)

C125us. Please specify the other currency...

E c125u==99

TEXT c125us

C125p. Per...

E c125!=9997 && IsAnswered(c125)

SINGLE-SELECT c125p
01 Day
02 Week
03 Month
04 Year

C126. What was the average income %C1_migration% earned while working away?

E c123==16

NUMERIC: DECIMAL c126

SPECIAL VALUES
9997 Don't know

C126u. Currency

E c126!=9997 && IsAnswered(c126)

SINGLE-SELECT c126u
01 Kyat
02 Baht
03 Yuan
04 Ringgit
05 Singapore Dollar
06 USD
99 Other currency (specify)

C126us. Please specify the other currency...

E c126u==99

TEXT c126us

C126p. Per...

E c126!=9997 && IsAnswered(c126)

SINGLE-SELECT c126p
01 Day
02 Week
03 Month
04 Year

C127. Did %C1_migration% receive free food or lodging while away?

E c123!=16

SINGLE-SELECT c127

01 ○ Yes
02 ○ No
97 ○ Don't know

C128. What did %C1_migration% receive?

E c127==1

SINGLE-SELECT c128

01 ○ Free Food Only
02 ○ Free Housing Only
03 ○ Both free food and housing

C129. Did %C1_migration% learn any work skills while migrating?

SINGLE-SELECT c129

01 ○ Yes
02 ○ No
97 ○ Don't know

C130. If yes, what skills?

E c129==1

MULTI-SELECT c130

01 ☐ New Language
02 ☐ Agricultural skill
03 ☐ Business skill
04 ☐ Construction skills (masonery, carpentry, etc)
05 ☐ Education (degree)
06 ☐ Machine Operating Skills
99 ☐ Other (Specify)

C130s. Please specify the other skill?

E c130.Contains(99)

TEXT c130s

.....

C131. Which language did %C1_migration% learn?

E c130.Contains(1)

MULTI-SELECT c131

01 ☐ Thai
02 ☐ English
03 ☐ Mandarin Chinese
04 ☐ Other chinese
05 ☐ Malay
06 ☐ Burmese
99 ☐ Other (specify)

C131s. Please specify the other language?

E c131.Contains(99)

TEXT c131s

.....

C132a. How well can %C1_migration% speak [Thai]?

E c131.Contains(1)

SINGLE-SELECT c132a

01 ○ Very basic
02 ○ Basic
03 ○ Intermediate
04 ○ Nearly fluent
05 ○ Fluent

C132b. How well can %C1_migration% speak [English]?

E c131.Contains(2)

SINGLE-SELECT c132b

01 ○ Very basic
02 ○ Basic
03 ○ Intermediate
04 ○ Nearly fluent
05 ○ Fluent

C132c. How well can %C1_migration% speak [Mandarin]?

E c131.Contains(3)

SINGLE-SELECT c132c

01 ○ Very basic
02 ○ Basic
03 ○ Intermediate
04 ○ Nearly fluent
05 ○ Fluent

C132d. How well can %C1_migration% speak [Other chinese]?

E c131.Contains(4)

SINGLE-SELECT c132d

01 ○ Very basic
02 ○ Basic
03 ○ Intermediate
04 ○ Nearly fluent
05 ○ Fluent

C132e. How well can %C1_migration% speak [Malay]?

E c131.Contains(5)

SINGLE-SELECT c132e

01 ○ Very basic
02 ○ Basic
03 ○ Intermediate
04 ○ Nearly fluent
05 ○ Fluent

C132f. How well can %C1_migration% speak [Burmese]?

E c131.Contains(6)

SINGLE-SELECT c132f

01 ○ Very basic
02 ○ Basic
03 ○ Intermediate
04 ○ Nearly fluent
05 ○ Fluent

C132g. How well can %C1_migration% speak [%c131s%]?

E c131.Contains(99)

SINGLE-SELECT c132g

01 ○ Very basic
02 ○ Basic
03 ○ Intermediate
04 ○ Nearly fluent
05 ○ Fluent

C133. Has %C1_migration% been able to use those skills to generate income in Myanmar?

E c108==2 && c129==1

SINGLE-SELECT c133

01 ○ Yes
02 ○ No

C2. MIGRATION (CONTINUED. REMITTANCES AND PAYMENTS IN PAST 12 MONTHS)

C2. MIGRATION (CONTINUED. REMITTANCES AND PAYMENTS IN PAST 12 MONTHS)

Roster: MIGRANT

generated by list question a201 C2_migrant

E a211<12

C201. In the past 12 months, did %C2_migrant% send any remittances?

I Although the household member did live at home in all of the 12 months, if it is not for migration reason, please select 'Not applicable'.

SINGLE-SELECT c201

01 ○ Yes
02 ○ No
98 ○ Not Applicable

C202. How much did %C2_migrant% send back in remittances in total during the past 12 months?

E c201==1
E1 self>0
M1 this value should be more than 0

NUMERIC: DECIMAL c202

SPECIAL VALUES
9997 Don't know

C202u. Unit [Kyat or Lakh Kyat]

E c202>0 && c202!=9997
E1 (c202*(LakhtoKyatConversion[(int)self].amount))>=10000 && (c202*(LakhtoKyatConversion[(int)self].amount))<=100000000
M1 Please check the amount of remittance and its unit...

SINGLE-SELECT c202u
01 ○ Kyat
02 ○ Lakh

C203. What was the main method %C2_migrant%used to send remittance in past 12 months?

E c201==1

SINGLE-SELECT c203
01 ○ Hundyi
02 ○ Carry by relative/friend
03 ○ Through broker
04 ○ Wire transfer
05 ○ Mobile money transfer
99 ○ Other (specify)

C203s. Please specify the other method of remitting money...

E c203==99

TEXT c203s

C204. What was the main method %C2_migrant%used to send remittance 5 years ago?

E (c102<=2013 && c109a>=2013 && c108==2) || (c108==1 && c102<=2013)

SINGLE-SELECT c204
01 ○ Hundyi
02 ○ Carry by relative/friend
03 ○ Through broker
04 ○ Wire transfer
05 ○ Mobile money transfer
98 ○ Not applicable
99 ○ Other (specify)

C204s. Please specify the other method of remitting money...

E c204==99

TEXT c204s

C205. In the last 12 months did %C2_migrant% bring back money/goods when he/she returned or visited?

E c108==1 || (c108==2 && c109a>=2017)

SINGLE-SELECT c205
01 ○ Yes
02 ○ No
98 ○ Did not return in the last 12 months

C206. In the last 12 months, what was the total value of cash/goods he/she brought back home? Amount of money

E c205==1

NUMERIC: DECIMAL c206

SPECIAL VALUES
9997 Don't know

C206u. Unit [Kyat or Lakh Kyat]

E c206>0 && c206!=9997
E1 (c206*(LakhtoKyatConversion[(int)self].amount))>=10000 && (c206*(LakhtoKyatConversion[(int)self].amount))<=10000000
M1 Please check the amount and unit of money...

SINGLE-SELECT c206u
01 ○ Kyat
02 ○ Lakh

C207. How the remittances, money, or goods received during the last 12 months were used? List the first, second, and third most important uses by value.

E `c201==1 || c205==1`

MULTI-SELECT: ORDERED `c207`

- 01 ☐ Day to day household expense
- 02 ☐ Agricultural operation costs
- 03 ☐ Educational costs of household members
- 04 ☐ Child care
- 05 ☐ Medical expenses
- 06 ☐ Savings (e.g. gold)
- 07 ☐ Repayment of debt
- 08 ☐ House construction
- 09 ☐ 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

And 2 other symbols [8]

C207s. Please specify the other usage of remittances...

E `c207.Contains(99)`

TEXT `c207s`

.....

D1. CASUAL LABOR

D101. 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?

SINGLE-SELECT `d101`

- 01 ○ Yes
- 02 ○ No

D102. Who works as a casual laborer?

E `d101==1`

MULTI-SELECT: LINKED `d102`

D1. CASUAL LABOR

Roster: WAGES LABOR

generated by list question a201 `D1_wages`

E `d102.Contains(@rowcode)`

D103. What type of work did %D1_wages% work in the past 12 months?

E `d101==1`

MULTI-SELECT `d103`

- 01 ☐ Agricultural labourer
- 02 ☐ Stevedore
- 03 ☐ Transport worker
- 04 ☐ Miner
- 05 ☐ Carpenter/mason
- 06 ☐ Construction worker
- 07 ☐ Worker at mill (rice/oil/wood)
- 08 ☐ Worker in other non-farm enterprise
- 99 ☐ Other (specify)

D103s. Please specify other...?

E d103.Contains(99)

TEXT d103s

D1. CASUAL LABOR / WAGES LABOR

Roster: TYPE OF WAGES

generated by multi-select question d103

D1_type_wages

D104. Where did %D1_wages%usually work?

SINGLE-SELECT d104

- 01 ○ This village
- 02 ○ This village tract
- 03 ○ Neighboring village tract
- 04 ○ Rural area in this township
- 05 ○ Rural area in another township (this region)
- 06 ○ Rural area in another region
- 07 ○ Town in this township
- 08 ○ Town in another township
- 99 ○ Other (specify)

D104s. Other township...?

E d104==99

TEXT d104s

D105. Did %D1_wages% work all months in the past 12 months?

SINGLE-SELECT d105

- 01 ○ Yes
- 02 ○ No

D106. In which months in the past 12 months did %D1_wages% work?

E d105==2

MULTI-SELECT d106

- 04 ☐ April
- 05 ☐ May
- 06 ☐ June
- 07 ☐ July
- 08 ☐ August
- 09 ☐ September
- 10 ☐ October
- 11 ☐ November
- 12 ☐ December
- 01 ☐ January
- 02 ☐ February
- 03 ☐ March
- 13 ☐ Occasionally

D107. During the months in which %D1_wages% worked [PLEASE READ THE MONTHS], how many half-days or days or weeks did %D1_wages% work?

E1 self<32

M1 Please enter valid number of days or weeks

NUMERIC: INTEGER d107

D107u. Unit for working capacity?

E1 (d107.InRange(1,31) && self==1) || (d107.InRange(1,4) && self==2) || (d107.InRange(1,31)&& self==3)||(self==4)

M1 enter valid number

SINGLE-SELECT d107u

- 01 ○ Days per month
- 02 ○ Weeks per month
- 03 ○ Half day per month
- 04 ○ Total days per year

D108. How much did %D1_wages% receive in wages per day, week or month during the months that %D1_wages% worked?

NUMERIC: DECIMAL d108

D108u. Unit [Kyat or Lakh Kyat]

E IsAnswered(d108)
E1 (d108*(LakhtoKyatConversion[(int)self].amount))>=1000 && (d108*(LakhtoKyatConversion[(int)self].amount))<=5000000
M1 Please enter valid amount of wage

SINGLE-SELECT d108u
01 ○ Kyat
02 ○ Lakh Kyat

D108p. Per ....?

E IsAnswered(d108u)

SINGLE-SELECT d108p
01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total for the last 12 months

D109. Did %D1_wages% receive any payment in kind when doing %D1_type_wages%?

SINGLE-SELECT d109
01 ○ Yes
02 ○ No

D110. On average, what was the value of payment in kind (e.g. meals, rice, transport costs) per day, week or month received by [name] during the months that %D1_wages% worked?

E d109==1

NUMERIC: DECIMAL d110

SPECIAL VALUES
9997 [9997] Don't know

D110u. Unit [Kyat or Lakh Kyat]

E IsAnswered(d110) && d110!=9997
E1 (d110*(LakhtoKyatConversion[(int)self].amount))>=1000 && (d110*(LakhtoKyatConversion[(int)self].amount))<=5000000
M1 Please enter valid amount of wage

SINGLE-SELECT d110u
01 ○ Kyat
02 ○ Lakh Kyat

D110p. Per ....?

E IsAnswered(d110u)

SINGLE-SELECT d110p
01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total for the last 12 months

D2. SALARIED EMPLOYMENT

D201. Did anyone in your household work for a salary in the last 12 months?

SINGLE-SELECT d201
01 ○ Yes
02 ○ No

D202. Who works as a salaried worker?

E d201==1

MULTI-SELECT: LINKED d202

D2. SALARIED EMPLOYMENT
Roster: SALARIED WORK
generated by list question a201 D2_salaried

E d202.Contains(@rowcode)

D203. What type of salaried work did %D2_salaried% in the past 12 months?

MULTI-SELECT d203

- 01 ☐ Permanent labor (agriculture)
- 02 ☐ Permanent labor (SME)
- 03 ☐ Factory work
- 04 ☐ Teacher
- 05 ☐ Soldier
- 06 ☐ Other Gov't worker
- 07 ☐ Mechanic/Construction worker
- 08 ☐ House helper
- 09 ☐ Company Staff
- 99 ☐ Other (Specify)

D203s. Please specify other.....?

E d203.Contains(99)

TEXT d203s

D2. SALARIED EMPLOYMENT / SALARIED WORK

Roster: SALARIED WORKER

generated by multi-select question d203

D2_salaried_worker

D204. Where did %D2_salaried% work?

SINGLE-SELECT d204

- 01 ○ This village
- 02 ○ This village tract
- 03 ○ Neighboring village tract
- 04 ○ Rural area in this township
- 05 ○ Rural area in another township in Shan
- 06 ○ Rural area in another region
- 07 ○ Town/City in this township
- 08 ○ Town/City in another township in Shan
- 09 ○ Taung Gyi
- 10 ○ Town/city in other region (specify)
- 99 ○ Other (specify)

D204t. Name of other town/city in another region ...?

E d204==10

TEXT d204t

D204s. Please specify other...?

E d204==99

TEXT d204s

D205. Did %D2_salaried% work all months in the past 12 months?

SINGLE-SELECT d205

- 01 ○ Yes
- 02 ○ No

D206. In which months in the past 12 months did %D2_salaried% work?

E d205==2

MULTI-SELECT d206

- 05 ☐ May
- 06 ☐ June
- 07 ☐ July
- 08 ☐ August
- 09 ☐ September
- 10 ☐ October
- 11 ☐ November
- 12 ☐ December
- 01 ☐ January
- 02 ☐ February
- 03 ☐ March
- 04 ☐ April

D207. On average, how many days did %D2_salaried% engage in %D2_salaried_worker% in every month?

E1 self<32

M1 Please enter valid number of days

NUMERIC: INTEGER d207

D208. What was the salary %D2_salaried% earned in this paid work?

NUMERIC: DECIMAL d208

SPECIAL VALUES

9997 Don't know

D208u. Unit [Kyat or Lakh Kyat]

E IsAnswered(d208) && d208!=9997

E1 (d208*(LakhtoKyatConversion[(int)self].amount))>=10000 && (d208*(LakhtoKyatConversion[(int)self].amount))<=10000000

M1 Please enter a valid amount of salary.

SINGLE-SELECT d208u

- 01 ○ Kyat
- 02 ○ Lakh

D208p. Per ....?

E IsAnswered(d208u)

SINGLE-SELECT d208p

- 01 ○ Month
- 02 ○ Total for the last 12 months
- 03 ○ Bi-monthly(2x/month)

D209. Did %D2_salaried% receive any payment in kind when doing %D2_salaried_worker%?

SINGLE-SELECT d209

- 01 ○ Yes
- 02 ○ No

D210. On average, what was the value of payment in kind (e.g. meals, rice, transport costs) per day, week or month received by [name] during the months that %D2_salaried% worked?

E d209==1

NUMERIC: DECIMAL d210

D210u. Unit [Kyat or Lakh Kyat]

E IsAnswered(d210)

E1 (d210*(LakhtoKyatConversion[(int)self].amount))>=1000 && (d210*(LakhtoKyatConversion[(int)self].amount))<=5000000

M1 Please enter valid amount of wage

SINGLE-SELECT d210u

- 01 ○ Kyat
- 02 ○ Lakh Kyat

D210p. Per ....?

E IsAnswered(d210u)

SINGLE-SELECT d210p

01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total for the last 12 months

D3. SELF EMPLOYMENT : NON-FARM ENTERPRISE

D301. Did any member of the household engage in the following in the last 12 months?

E1 (self.Contains(29) && self.Length == 1) || !self.Contains(29)
M1 You cannot chose other options if you chose "None of these"

MULTI-SELECT d301

01 ☐ Dry goods shop
02 ☐ Grocery vendor
03 ☐ Crop trading business
04 ☐ Other trading business (Specify)
05 ☐ Tailoring/Dressmaking
06 ☐ Motorcycle taxi service/Motorbike rental
07 ☐ Car/truck/boat/tralarjee rental
08 ☐ Betel nut kiosk owner
09 ☐ Teashop/Restaurant
10 ☐ Selling snacks/drinks
11 ☐ Oil milling
12 ☐ Rice milling
13 ☐ Other food processing business (specify)
14 ☐ Carpentry/metalwork/ mechanic
15 ☐ Construction business
16 ☐ Hairdresser/barber/beauty salon

And 14 other symbols [9]

D301s1. Specify other trading business

E d301.Contains(4)

TEXT d301s1

D301s2. Specify other food processing business

E d301.Contains(13)

TEXT d301s2

D301s3. Specify other activities

E d301.Contains(99)

TEXT d301s3

D3. SELF EMPLOYMENT : NON-FARM ENTERPRISE

Roster: SELF EMPLOPYMENT ON NON-FARM ENTERPRISE

generated by multi-select question d301

D3_non_farm

E IsAnswered(d301) && @rowcode != 29

D302. When was %D3_non_farm% first started?

E1 self.InRange(1900,2018) || self==9997
M1 Started Year should not greater than 2018.

NUMERIC: INTEGER d302

SPECIAL VALUES
9997 Don't know

D303. How much capital was required to start up %D3_non_farm%?

NUMERIC: DECIMAL d303

SPECIAL VALUES
9996 No need the capital
9997 Don't know

D303u. Unit [Kyat or Lakh Kyat]

E `IsAnswered(d301) && (d303 != 0 && d303 !=9997 && d303!= 9996)`

E1 `(d303*(LakhtoKyatConversion[(int)self].amount))>=100 && (d303*(LakhtoKyatConversion[(int)self].amount))<=50000000`

M1 Please Enter valid amount of money

SINGLE-SELECT d303u
01 ○ Kyat
02 ○ Lakh Kyat

D304. What was the main source of startup capital of %D3_non_farm%?

MULTI-SELECT: ORDERED d304
01 ☐ Income from non-farm employment
02 ☐ Remittances/savings from migration
03 ☐ Income from agriculture
04 ☐ Loan from friend/relative
05 ☐ Loan from money lender
06 ☐ Loan from MFI or Co-op
07 ☐ Loan from bank
98 ☐ Not applicable
99 ☐ Other (specify)

D304s. Specify other source of capital....?

E `d304.Contains(99)`

TEXT d304s

D305. Among the household members engaged in this %D3_non_farm% activity, who was the main responsible person?

I Rank the answer by choosing the most responsible first.

MULTI-SELECT: ORDERED, LINKED d305

D306. Did the household engage in %D3_non_farm% all months in the past 12 months?

SINGLE-SELECT d306
01 ○ Yes
02 ○ No

D307. In which months did the household engage in %D3_non_farm%?

E `d306==2`

MULTI-SELECT d307
04 ☐ April
05 ☐ May
06 ☐ June
07 ☐ July
08 ☐ August
09 ☐ September
10 ☐ October
11 ☐ November
12 ☐ December
01 ☐ January
02 ☐ February
03 ☐ March

D308. On average, how many days did the household engage in %D3_non_farm% in every month?

E1 self<32

M1 No. of days should not more than 31 in a month

NUMERIC: INTEGER d308

D309. How much did the household spend on hired labor for %D3_non_farm% in the last 12 months?

NUMERIC: DECIMAL d309

SPECIAL VALUES

0000 No hired labor

9997 Don't know

D309u. Unit [Kyat or Lakh Kyat]

E IsAnswered(d309) && (d309 != 0 && d309!=9997)

E1 (d309*(LakhtoKyatConversion[(int)self].amount))>=1000 && (d309*(LakhtoKyatConversion[(int)self].amount))<=100000000

M1 Please enter valid amount of wage

SINGLE-SELECT d309u

01 ○ Kyat

02 ○ Lakh

D309p. Per ....?

E IsAnswered(d309u)

SINGLE-SELECT d309p

01 ○ Days

02 ○ Week

03 ○ Months

04 ○ Total for the last 12 months

D310. How much did the household spend on recurring costs for %D3_non_farm% in the last 12 months?

NUMERIC: DECIMAL d310

SPECIAL VALUES

0000 No need for recurring cost

9997 Don't know

D310u. Unit [Kyat or Lakh Kyat]

E IsAnswered(d310) && (d310 != 0 && d310!=9997)

E1 (d310*(LakhtoKyatConversion[(int)self].amount))>=1000 && (d310*(LakhtoKyatConversion[(int)self].amount))<=100000000

M1 Please enter valid amount of wage

SINGLE-SELECT d310u

01 ○ Kyat

02 ○ Lakh

D310p. Per ....?

E IsAnswered(d310u)

SINGLE-SELECT d310p

01 ○ Day

02 ○ Week

03 ○ Month

04 ○ Total for the last 12 months

D311. How much did the household receive in sales from %D3_non_farm% in the last 12 months?

NUMERIC: DECIMAL d311

SPECIAL VALUES

9997 Don't know

D311u. Unit [Kyat or Lakh Kyat]

E IsAnswered(d311) && (d311 != 0 && d311!=9997)

E1 (d311*(LakhtoKyatConversion[(int)self].amount))>=1000 && (d311*(LakhtoKyatConversion[(int)self].amount))<=100000000

M1 Please enter valid amount of wage

SINGLE-SELECT d311u

01 ○ Kyat

02 ○ Lakh

D311p. Per ....?

E IsAnswered(d311u)

SINGLE-SELECT d311p

01 ○ Days
02 ○ Week
03 ○ Months
04 ○ Total for the last 12 months

D4. SELF EMPLOYMENT: NATURAL RESOURCE EXTRACTION (HOME CONSUMPTION & SALE)

D401. Did any member of the household engage the following activities in the last 12 months?

E1 (self.Contains(10) && self.Length == 1) || !self.Contains(10)

M1 You cannot choose other options if you chose "None Of these"

MULTI-SELECT d401

01 ☐ Catching wild fish
02 ☐ Collecting firewood
03 ☐ Making charcoal
04 ☐ Extracting timber from forest
05 ☐ Cutting bamboo
06 ☐ Mining/ Quarrying
07 ☐ Collecting of leaves, etc for construction material
08 ☐ Collecting of wild foods (honey, mushrooms, bamboo shoot,vegetables, etc.)
09 ☐ Hunting wild animals/ birds
99 ☐ Other (Specify)
10 ☐ None of these

D401s. Specify other activities

E d401.Contains(99)

TEXT d401s

D4. SELF EMPLOYMENT: NATURAL RESOURCE EXTRACTION (HOME CONSUMPTION & SALE)

Roster: SELF EMPLOYMENT ON RESOURCE EXTRACTION

generated by multi-select question d401 D4_resource

E @rowcode != 10

D402. Among household members participated in this activity [%D4_resource%], who was the main responsible person?

I Rank the answer by choosing the most responsible person first.

MULTI-SELECT: ORDERED, LINKED d402

D403. Did the household sell products from %D4_resource%?

SINGLE-SELECT d403

01 ○ Yes
02 ○ No

D404. Did the household engage in %D4_resource% all months in the past 12 months?

E d403==1

SINGLE-SELECT d404

01 ○ Yes
02 ○ No

D405. In which months did the household engage in %D4_resource%?

E d403==1 && d404==2

MULTI-SELECT d405

- 04 ☐ April
- 05 ☐ May
- 06 ☐ June
- 07 ☐ July
- 08 ☐ August
- 09 ☐ September
- 10 ☐ October
- 11 ☐ November
- 12 ☐ December
- 01 ☐ January
- 02 ☐ February
- 03 ☐ March

D406. On average, how many days did the household engage in %D4_resource% in every month?

E d403==1

E1 self<32

M1 No. of days should not more than 31 in a month

NUMERIC: INTEGER d406

D407. How much did the household spend on hired labor for %D4_resource% in the last 12 months?

E d403==1

NUMERIC: DECIMAL d407

SPECIAL VALUES

- 0000 No need hired labor
- 9997 Don't know

D407u. Unit [Kyat or Lakh Kyat]

E IsAnswered(d407) && (d407!= 0 && d407!=9997)

SINGLE-SELECT d407u

- 01 ○ Kyat
- 02 ○ Lakh

D407p. Per ....?

E IsAnswered(d407u)

SINGLE-SELECT d407p

- 01 ○ Day
- 02 ○ Week
- 03 ○ Month
- 04 ○ Total for the last 12 months

D408. How much did the household spend on recurring cost for %D4_resource% in the last 12 months?

E d403==1

NUMERIC: DECIMAL d408

SPECIAL VALUES

- 0000 No recurring cost
- 9997 Don't know

D408u. Unit [Kyat or Lakh]

E IsAnswered(d408) && (d408 != 0 && d408!=9997)

E1 (d408*(LakhtoKyatConversion[(int)self].amount))>=1000 && (d408*(LakhtoKyatConversion[(int)self].amount))<=10000000

M1 Enter valid amount of money

SINGLE-SELECT d408u

- 01 ○ Kyat
- 02 ○ Lakh Kyat

D408p. Per ....?

E `IsAnswered(d408u)`

SINGLE-SELECT d408p

01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total for the last 12 months

D409. How much did the household receive in sale from %D4_resource% in the last 12 months?

E `d403==1`

NUMERIC: DECIMAL d409

SPECIAL VALUES
0000 None
9997 Don't know

D409u. Unit [Kyat or Lakh Kyat]

E `IsAnswered(d409) && (d409 != 0 && d409 !=9997)`
E1 `(d409*(LakhtoKyatConversion[(int)self].amount))>=1000 && (d409*(LakhtoKyatConversion[(int)self].amount))<=10000000`
M1 Enter valid amount of money

SINGLE-SELECT d409u

01 ○ Kyat
02 ○ Lakh Kyat

D409p. Per ....?

E `IsAnswered(d409u)`

SINGLE-SELECT d409p

01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total for the last 12 months

E. OWNERSHIP OF PRODUCTIVE ASSETS

E101. Which of the following assets does the household own at present?

E1 `(self.Contains(32) && self.Length == 1) || (!self.Contains(32))`
M1 You cannot choose other options if you chose None of These.

MULTI-SELECT e101

001 ☐ Cow/Oxen (draft animal)
002 ☐ Buffalo (draft animal)
003 ☐ Tractor (2 wheel)
004 ☐ Tractor (4 wheel)
005 ☐ Combine harvester
006 ☐ Reaper
007 ☐ Mechanical thresher (paddy/pulses)
008 ☐ Power seeder for Maize
009 ☐ Maize thresher
010 ☐ Rice mill (huller)
011 ☐ Oil mill
111 ☐ Sugarcane mill machine
012 ☐ Trawlarjee
013 ☐ Diesel or Petrol engine / generator
014 ☐ Surface water pump (agri)
015 ☐ Ground water pump (agri)

And 11 other symbols [10]

E. OWNERSHIP OF PRODUCTIVE ASSETS
Roster: ASSETS
generated by multi-select question e101

E_assets

E `@rowcode != 32`

E102. How many of %E_assets% does your household own at present?

NUMERIC: INTEGER e102

E103. When did your household acquire %E_assets% for the first time?
Year...

E $assets_filter
E1 self.InRange(1900,2018) || self==9997 || self==9998
M1 Please check again...

NUMERIC: INTEGER e103

SPECIAL VALUES
9997 Don't know

E104. When did your household most recently acquire %E_assets% ?
Year...

I If you have only one [asset], please put the same year as in e103.
E ($assets_filter) && @rowcode != 31

NUMERIC: INTEGER e104

SPECIAL VALUES
9997 Don't know

E105 How much did you pay for the most recently acquired %E_assets%?

I If gifted or inherited, answer '0'.
E $assets_filter && @rowcode != 31

NUMERIC: DECIMAL e105

SPECIAL VALUES
9997 [9997] Don't know

E105u. Unit [Kyat or Lakh Kyat]:

E IsAnswered(e105) && e105!=9997 && e105!=0

SINGLE-SELECT e105u
01 ○ Kyat
02 ○ Lakh Kyat

E106. How was the most recent %E_assets% purchased?

E $assets_filter && @rowcode != 31 && e105>0

SINGLE-SELECT e106
01 ○ Hired purchased installments through bank
02 ○ Hired purchased installments from dealership
03 ○ Cash down, using own savings
04 ○ Cash down, using informal loan
05 ○ Cash down, (savings + informal loan)
06 ○ Cash down, using remittances
07 ○ Loan from department of cooperatives/Mya Sein Yaung
97 ○ Don't know
99 ○ Other arrangement (specify)

E106s. Pleases specify other...

E e106==99

TEXT e106s

E107. Has the household ever owned a draft animal?

E IsAnswered(e101) && !e101.ContainsAny(1,2)

SINGLE-SELECT e107
01 ○ Yes
02 ○ No

E108. In which year did the household last own the draft animal?

E e107 == 1
E1 $Year
M1 Please check the year again

NUMERIC: INTEGER e108

E109. What is the main reason the household no longer owns a draft animal(s)?

E e107 == 1

SINGLE-SELECT e109

01 ○ Sold animals to buy tractor
02 ○ Able to use a tractor instead
03 ○ No more public grazing land available
04 ○ Not enough fodder available
05 ○ Cost of cattle feed too high
06 ○ Looking after animals too time consuming
07 ○ Not enough labor to look after animals
08 ○ Animals became old, ill, or died
09 ○ Sold to fund investment
10 ○ Sold to fund migration
11 ○ Sold to pay debt
99 ○ Other (specify)

E109s. Please specify the other

E e109==99

TEXT e109s

I1. PARCEL INSTRUCTION

STATIC TEXT

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

STATIC TEXT

START WITH THE HOMECOMPOUND (if any), FOLLOWED BY AGRICULTURAL PARCELS AND THEN ALL OTHER PARCELS AND ASK THE FOLLOWING QUESTIONS

STATIC TEXT

DRAW ALL THE PARCELS ON PAPER AND NUMBER/NAME THEM.

I2. LIST OF PARCELS

STATIC TEXT

NOTE: THIS TABLE SHOULD EXCLUDE ALL PLOTS CULTIVATED UNDER SHIFTING CULTIVATION - THESE ARE ADDRESED IN A SEPARATE MODULE

STATIC TEXT

START WITH HOME COMPOUND, FOLLOWED BY AGRICULTURAL PARCELS AND THEN ALL OTHER PARCELS AND ASK THE FOLLOWING QUESTIONS.

I200. How many parcels does this household own or operate (but not own)?

I NOTE: THIS TABLE SHOULD EXCLUDE ALL PLOTS CULTIVATED UNDER TAUNGYA - THESE ARE ADDRESED IN A SEPARATE MODULE

NUMERIC: INTEGER i200

List the name of the parcel

I The name of parcels should not be the same.
E i200>=1
W1 self.Length == i200
M1 List of the parcel(s) must be the same with the number of parcel.

LIST parcel_list

Which parcel is the homecompound?

SINGLE-SELECT: LINKED homecompound

I2. LIST OF PARCELS

Roster: PARCEL ROSTER

generated by list question parcel list

I2_parcel_roster

E parcel_list.Count()!=0

I201. What is the use of %I2_parcel_roster% parcel?

F (@optioncode==1 && @rowcode==homecompound)|| (@optioncode!=1 && @rowcode!=homecompound)

SINGLE-SELECT i201

- 01 ○ Home Compound (House + Home garden)
- 02 ○ Low Land
- 03 ○ Upland
- 04 ○ Orchard
- 05 ○ Forest land
- 06 ○ Tree Plantation
- 07 ○ Bamboo Garden
- 08 ○ Pasture
- 09 ○ Business Shop
- 10 ○ Pond
- 11 ○ Uncultivable
- 12 ○ Other Agricultural Land (Specify)
- 13 ○ Kaing Crop Land
- 99 ○ Other (Specify)

VARIABLE

i201==2 || i201==3

BOOLEAN uplowland

VARIABLE

i201!=2 && i201!=3 && (i201==4 || i201==5 || i201==6 || i201==8 || i201==12 || i201==13)

BOOLEAN fourth pland

I201a. Please specify the other agricultural land.

E i201==6

TEXT i201a

I201s. Please specify the other type of land.

E i201==99

TEXT i201s

I202. Do you grow any food crops, including grains, fruits, vegetables or herbs, in your home compound?

E i201==1

SINGLE-SELECT i202

- 01 ○ Yes
- 02 ○ No

I203. What is the area of this parcel-%I2_parcel_roster% ?

I 43,560 sq feet = 1 acre

NUMERIC: DECIMAL i203

SPECIAL VALUES

9997 Don't know

I203u. Unit of Area of the Parcel-%I2_parcel_roster%

E i203>0 && i203!=9997

SINGLE-SELECT i203u

- 01 ○ Acre
- 02 ○ Square Feet
- 03 ○ Square Taung
- 99 ○ Other (Specify)

VARIABLE

`i203*(area_conversion_factors[(int)i203u].conversion)`

DOUBLE `i203 acres`

STATIC TEXT

E `IsAnswered(i203u) &&i203u!=1 && i203u!=99`

This is %i203_acres% acres

I203s. Please Specify the Other Unit.

E `i203u==99`

TEXT `i203s`

I204. How long does it take to reach parcel-%I2_parcel_roster% on foot during rainy season?

I Enter the time in "hh:mm" format.

E `i201!=1 && @rowcode != homecompound`

TEXT `i204`

I205. When did your household acquire %i203% %i203u% - Parcel %I2_parcel_roster%?

E1 `$Year`

M1 The year of acquisition of the parcel should not be later than the current year.

NUMERIC: INTEGER `i205`

SPECIAL VALUES

9997 Don't know

9996 Moe than one generation

9994 Parcel acquired in more than one transaction

I206. What is the tenure status of this %i203% %i203u% - %I2_parcel_roster% parcel?

E `@rowcode != homecompound`

SINGLE-SELECT `i206`

01 ○ Owned and Opearated

02 ○ ~~Borrowed in~~

03 ○ Borrowed out

04 ○ ~~Mortgaged in~~

05 ○ Mortgaged out

06 ○ ~~Leased in from Private Owner~~

07 ○ ~~Leased in from State Institution~~

08 ○ ~~Share Cropped in~~

09 ○ Leased out

10 ○ Shared Cropped out

11 ○ Illegally Settled

12 ○ Own but currently fallow

13 ○ Owned by community

99 ○ Other (Specify)

I206s. Please Specify the Other Tenure Status.

E `i206==99`

TEXT `i206s`

I207. How did household acquire this parcel?

E `i206==1 || i206==12`

MULTI-SELECT `i207`

01 ☐ Purchased

02 ☐ Inherited

03 ☐ Allocated by State

04 ☐ Occupied by Self

05 ☐ Gift

99 ☐ Other (Specify)

I207s. Please specify the other way of acquisition.

E `i207.Contains(99)`

TEXT `i207s`

I208. What was the purchase price for this %i203% %i203u% - %I2_parcel_roster% parcel?

E `i207.Contains(1)`

NUMERIC: DECIMAL `i208`

SPECIAL VALUES
9997 Don't know

I208u. Unit of the purchase price

E `IsAnswered(i208) && i208!=9997`

SINGLE-SELECT `i208u`
01 ○ Kyat
02 ○ Lakh Kyat

I209. What is the annual rental in value for this %i203% %i203u% - %I2_parcel_roster% parcel?

E `i206==6|| i206==7 || i206==8`

NUMERIC: DECIMAL `i209`

SPECIAL VALUES
9997 Don't know

I209u. Unit of the Annual Rent in Value

E `IsAnswered(i209) && i209!=9997`

SINGLE-SELECT `i209u`
01 ○ Kyat
02 ○ Lakh Kyat

I210. What is the annual rental out value for this %i203% %i203u% - %I2_parcel_roster% parcel?

E `i206 == 9 || i206 == 10`

NUMERIC: DECIMAL `i210`

SPECIAL VALUES
9997 Don't know

I210u. Unit of the Annual Rent out Value

E `IsAnswered(i210) && i210!=9997`

SINGLE-SELECT `i210u`
01 ○ Kyat
02 ○ Lakh Kyat

I211. What was the use of this %i203% %i203u% - %I2_parcel_roster% parcel at the time of acquisition?

E `@rowcode != homecompound`

SINGLE-SELECT `i211`
01 ○ Same use as at present
02 ○ Low Land
03 ○ Upland
04 ○ Taungya (shifting cultivation)
05 ○ Forest land
06 ○ Vacant/fallow
99 ○ Other (Specify)

I211s. Please sepcify the other

E `i211 == 99`

TEXT `i211s`

I212. Do you or a member of your household have a document that confers use rights of this %i203% %i203u% - %I2_parcel_roster% parcel to you?

E `i206!=2 && i206!=4 && i206!=6 && i206!=7 && i206!=8`

SINGLE-SELECT `i212`
01 ○ Yes
02 ○ No
97 ○ Don't know

I213. What type of document do you or a member of your household have for parcel - %I2_parcel_roster% ?

E i212==1

MULTI-SELECT i213

01 ☐ Form 7
02 ☐ Form 105 / U Paing
03 ☐ La Na 39
04 ☐ Contract
05 ☐ Tax Receipt
06 ☐ AIN Grant
97 ☐ Don't know
99 ☐ Other (Specify)

I213s. Please specify other document

E i213.Contains(99)

TEXT i213s

I214. Whose name(s) is on the document?

I Choose two names ONLY IF two names are mentioned in the documen t. If the document is not in the name of any current household member , leave the boxes unchecked.

E i212==1

MULTI-SELECT i214

01 ☐ Household head
02 ☐ Household head's Spouse
03 ☐ Other male household member
04 ☐ Other female household member
05 ☐ None of these
97 ☐ Do not know

I215_1. Was this %i203% %i203u% - %I2_parcel_roster% parcel used to cultivate MAIZE during the past 12 months?

E ((i206!=3 && i206!=5 && i206!=9 && i206!=10 && i206!=12) && ($spland))

SINGLE-SELECT i215_1

01 ○ Yes
02 ○ No

I215_2. Was this %i203% %i203u% - %I2_parcel_roster% parcel used to cultivate PIGEON PEA during the past 12 months?

E ((i206!=3 && i206!=5 && i206!=9 && i206!=10 && i206!=12) && ($spland))

SINGLE-SELECT i215_2

01 ○ Yes
02 ○ No

I216. Was the pigeon pea intercropped with any crop other than maize?

E ($spland) && i215_2==1

SINGLE-SELECT i216

01 ○ Yes
02 ○ No

I217. How many times was maize grown in this %i203% %i203u% - %I2_parcel_roster% parcel during the past 5 years?

E i215_1==1
E1 self <= 10
M1 The number should be no more than 10 times.

NUMERIC: INTEGER i217

I218. How many times was pigeon pea grown in this %i203% %i203u% - %I2_parcel_roster% parcel during the past 5 years?

E i215_2==1
E1 self<= 5
M1 The number should be no more than 5 times.

NUMERIC: INTEGER i218

VARIABLE

I2_parcel_roster.Count($FirstPriority)

LONG num_p1

VARIABLE

I2_parcel_roster.Count($SecondPriority)

LONG num_p2

VARIABLE I2_parcel_roster.Count($ThirdPriority)	LONG	num p3
VARIABLE I2_parcel_roster.Count($FourthPriority)	LONG	num p4
VARIABLE I2_parcel_roster.Count($FifthPriority)	LONG	num p5
VARIABLE (long)Math.Floor(Quest.IRnd()*num_p1.Value)	LONG	rnd_p1
VARIABLE (long)Math.Floor(Quest.IRnd()*num_p2.Value)	LONG	rnd_p2
VARIABLE (long)Math.Floor(Quest.IRnd()*num_p3.Value)	LONG	rnd p3
VARIABLE (long)Math.Floor(Quest.IRnd()*num_p4.Value)	LONG	rnd p4
VARIABLE (long)Math.Floor(Quest.IRnd()*num_p5.Value)	LONG	rnd p5
VARIABLE I2_parcel_roster.Where($FirstPriority).Select(z=>z.@rowcode).ToArray()[rnd_p1.Value]	LONG	randomRowCodeP1
VARIABLE I2_parcel_roster.Where($SecondPriority).Select(z=>z.@rowcode).ToArray()[rnd_p2.Value]	LONG	randomRowCodeP2
VARIABLE I2_parcel_roster.Where($ThirdPriority).Select(z=>z.@rowcode).ToArray()[rnd_p3.Value]	LONG	randomRowCodeP3
VARIABLE I2_parcel_roster.Where($FourthPriority).Select(z=>z.@rowcode).ToArray()[rnd_p4.Value]	LONG	randomRowCodeP4
VARIABLE I2_parcel_roster.Where($FifthPriority).Select(z=>z.@rowcode).ToArray()[rnd_p5.Value]	LONG	randomRowCodeP5
VARIABLE parcel_list.Where(x=>x.Item1==randomRowCodeP1).First().Item2	STRING	selectedParcel p1
VARIABLE parcel_list.Where(x=>x.Item1==randomRowCodeP2).First().Item2	STRING	selectedParcel_p2
VARIABLE parcel_list.Where(x=>x.Item1==randomRowCodeP3).First().Item2	STRING	selectedParcel p3
VARIABLE parcel_list.Where(x=>x.Item1==randomRowCodeP4).First().Item2	STRING	selectedParcel p4
VARIABLE parcel_list.Where(x=>x.Item1==randomRowCodeP5).First().Item2	STRING	selectedParcel p5
VARIABLE selectedParcel_p1!=null ? true : false	BOOLEAN	sp1
VARIABLE (selectedParcel_p2!=null && selectedParcel_p1==null) ? true : false	BOOLEAN	sp2

VARIABLE (selectedParcel_p3!=null && selectedParcel_p1==null && selectedParcel_p2==null) ? true : false	BOOLEAN sp3
VARIABLE (selectedParcel_p4!=null && selectedParcel_p1==null && selectedParcel_p2==null && selectedParcel_p3==null) ? true : false	BOOLEAN sp4
VARIABLE (selectedParcel_p5!=null && selectedParcel_p1==null && selectedParcel_p2==null && selectedParcel_p3==null && selectedParcel_p4==null) ? true : false	BOOLEAN sp5
VARIABLE ((selectedParcel_p1!=null?selectedParcel_p1:"")+ ((selectedParcel_p2!=null && selectedParcel_p1==null)?selectedParcel_p2:"")+ ((selectedParcel_p3!=null && selectedParcel_p1==null && selectedParcel_p2= And 318 other symbols [1]	STRING sp_name
VARIABLE parcel_list.Where(x=>x.Item2==sp_name).First().Item1	LONG sp_index
VARIABLE I2_parcel_roster.Select(z=>z.i205).ToArray()[sp_index.Value-1]	LONG sp_year
VARIABLE I2_parcel_roster.Select(z=>z.i203_acres).ToArray()[sp_index.Value-1]	DOUBLE sp_area
VARIABLE I2_parcel_roster.Select(z=>z.i215_1).ToArray()[sp_index.Value-1]	LONG sp_maize
VARIABLE I2_parcel_roster.Select(z=>z.i215_2).ToArray()[sp_index.Value-1]	LONG sp_pp

J1. CROPS

STATIC TEXT

Note: Please aske the respondent whether they have already sold out some amount or all of you'd harvested for each crops. If not, please ask the most recent complete cycle for that crop.

J100. Did the household grow any paddy in the last 12 months? I Monsoon Paddy Pre/Post - monsoon Paddy	SINGLE-SELECT j100 01 ○ Yes 02 ○ No
J101. Did you grow the following? E j100 == 1	MULTI-SELECT j101 01 ☐ Monsoon Paddy 02 ☐ Pre/ Post - Monsoon Paddy
J102_1 What was the purpose of growing Monsoon Paddy ? E j101.Contains(1)	SINGLE-SELECT j102_1 01 ○ Mainly home consumption 02 ○ Mainly for sale 03 ○ Home consumption & sale

J102_2 What was the purpose of growing Pre/Post Monsoon Paddy?

E `j101.Contains(2)`

SINGLE-SELECT `j102_2`

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J200. Did the household grow Maize/Pigeon Pea in the last 12 months?

SINGLE-SELECT `j200`

01 ○ Yes
02 ○ No

J201. Did you grow the following?

E `j200 == 1`

MULTI-SELECT `j201`

01 ☐ Maize
02 ☐ Pigeon Pea

J202_1 What was the purpose of growing Maize?

E `j201.Contains(1)`

SINGLE-SELECT `j202`

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J202_2 What was the purpose of growing Pigeon Pea?

E `j201.Contains(2)`

SINGLE-SELECT `j203`

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J300. Did the household grow any oil crop [sesame, groundnut, sunflower, niger] in the last 12 months?

SINGLE-SELECT `j300`

01 ○ Yes
02 ○ No

J301. Did you grow the following?

E `j300 == 1`

MULTI-SELECT `j301`

01 ☐ Groundnut
02 ☐ Sesame
03 ☐ Sunflower
04 ☐ Niger

J302_1 What was the purpose of growing Groundnut?

E `j301.Contains(1)`

SINGLE-SELECT `j302_1`

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J302_2 What was the purpose of growing Sesame?

E `j301.Contains(2)`

SINGLE-SELECT `j302_2`

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J302_3 What was the purpose of growing Sunflower?

E `j301.Contains(3)`

SINGLE-SELECT `j302_3`

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J302_4 What was the purpose of growing Niger?

E `j301.Contains(4)`

SINGLE-SELECT `j302_4`

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J400. Did the household grow any bean/ pulses in the last 12 months?

I This includes Soy bean, Green gram, Black gram, Chickpea, and Lab ab or other beans

SINGLE-SELECT j400
01 ○ Yes
02 ○ No

J401. Did you grow the following?

E j400 == 1

MULTI-SELECT j401
01 ☐ Soy Bean
02 ☐ Green Gram
03 ☐ Black Gram
04 ☐ Chick Pea
05 ☐ Lab Lab
06 ☐ Long bean
99 ☐ Other bean

J401s. Please specify the other

E j401.Contains(99)

TEXT j401s

J402_1 What was the purpose of growing Soy Bean?

E j401.Contains(1)

SINGLE-SELECT j402_1
01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J402_2 What was the purpose of growing Green Gram?

E j401.Contains(2)

SINGLE-SELECT j402_2
01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J402_3 What was the purpose of growing Black Gram?

E j401.Contains(3)

SINGLE-SELECT j402_3
01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J402_4 What was the purpose of growing Chick Pea?

E j401.Contains(4)

SINGLE-SELECT j402_4
01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J402_5 What was the purpose of growing Lab Lab Bean?

E j401.Contains(5)

SINGLE-SELECT j402_5
01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J402_6 What was the purpose of growing Long Bean?

E j401.Contains(6)

SINGLE-SELECT j402_6
01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J402_99 What was the purpose of growing %j401s%?

E j401.Contains(99)

SINGLE-SELECT j402_99
01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

j500. Did the household grow Wheat, Sorghum, or Millet in the last 12 months?

SINGLE-SELECT j500
01 ○ Yes
02 ○ No

J501. Did you grow the following?

E `j500 == 1`

MULTI-SELECT `j501`

- 01 ☐ Wheat
- 02 ☐ Sorghum
- 03 ☐ Millet

J502_1 What was the purpose of growing Wheat?

E `j501.Contains(1)`

SINGLE-SELECT `j502_1`

- 01 ○ Mainly home consumption
- 02 ○ Mainly for sale
- 03 ○ Home consumption & sale

J502_2 What was the purpose of growing Sorghum?

E `j501.Contains(2)`

SINGLE-SELECT `j502_2`

- 01 ○ Mainly home consumption
- 02 ○ Mainly for sale
- 03 ○ Home consumption & sale

J502_3 What was the purpose of growing Millet?

E `j501.Contains(3)`

SINGLE-SELECT `j502_3`

- 01 ○ Mainly home consumption
- 02 ○ Mainly for sale
- 03 ○ Home consumption & sale

J600. Did the household grow Sugarcane in the last 12 months?

SINGLE-SELECT `j600`

- 01 ○ Yes
- 02 ○ No

J602. What was the purpose of growing sugarcane?

E `j600 == 1`

SINGLE-SELECT `j602`

- 01 ○ Mainly home consumption
- 02 ○ Mainly for sale
- 03 ○ Home consumption & sale

J700. Did the household grow Chillies in the last 12 months?

SINGLE-SELECT `j700`

- 01 ○ Yes
- 02 ○ No

J702. What was the purpose of growing Chilies?

E `j700 == 1`

SINGLE-SELECT `j702`

- 01 ○ Mainly home consumption
- 02 ○ Mainly for sale
- 03 ○ Home consumption & sale

J800. Did the household grow any root crops in the last 12 months?

I This includes ginger, turmeric, garlic, shallot, potato, gamone

SINGLE-SELECT `j800`

- 01 ○ Yes
- 02 ○ No

J801. Did you grow the following?

E `j800 == 1`

MULTI-SELECT `j801`

- 01 ☐ Ginger
- 02 ☐ Tumeric
- 03 ☐ Garlic
- 04 ☐ Shallot/Onion
- 05 ☐ Potato
- 06 ☐ Gamone(Medical Herb)

J802_1 What was the purpose of growing Ginger?

E `j801.Contains(1)`

SINGLE-SELECT `j802_1`

- 01 ○ Mainly home consumption
- 02 ○ Mainly for sale
- 03 ○ Home consumption & sale

J802_2 What was the purpose of growing Turmeric?

E j801.Contains(2)

SINGLE-SELECT j802_2

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J802_3 What was the purpose of growing Garlic?

E j801.Contains(3)

SINGLE-SELECT j802_3

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J802_4 What was the purpose of growing Shallot/Onion?

E j801.Contains(4)

SINGLE-SELECT j802_4

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J802_5 What was the purpose of growing Potato?

E j801.Contains(5)

SINGLE-SELECT j802_5

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J802_6 What was the purpose of growing Gamone(Medical Herb)?

E j801.Contains(6)

SINGLE-SELECT j802_6

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J900. Did the household grow any Betel/Tobacco/Cheroot in the last 12 months?

SINGLE-SELECT j900

01 ○ Yes
02 ○ No

J901. Did you grow the following?

E j900 == 1

MULTI-SELECT j901

01 ☐ Betel
02 ☐ Tobacco
03 ☐ Cheroot

J902_1 What was the purpose of growing Betel?

E j901.Contains(1)

SINGLE-SELECT j902_1

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J902_2 What was the purpose of growing Tobacco?

E j901.Contains(2)

SINGLE-SELECT j902_2

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J902_3 What was the purpose of growing Cheroot?

E j901.Contains(3)

SINGLE-SELECT j902_3

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1100. Did the household grow any vegetable in the last 12 months?

I This includes Cabbage/Califlower, Mustard/Kailan, Okra, Tomato, Eggplant, Cucumber, Gourd/Chayote, Pumpkin, Sweetcorn, Roselle.

SINGLE-SELECT j1100

01 ○ Yes
02 ○ No

J1101. Did you grow the following?

E j1100 == 1

MULTI-SELECT j1101

- 001 ☐ Cabbage/ Cauliflower
- 002 ☐ Mustard/ Kailan
- 003 ☐ Okra
- 004 ☐ Tomato
- 005 ☐ Eggplant
- 006 ☐ Cucumber
- 007 ☐ Gourd/ Chayote
- 008 ☐ Pumpkin
- 009 ☐ Sweetcorn
- 010 ☐ Roselle
- 499 ☐ Other Vegetable

J1101s What is the other vegetable/vegetables?

E j1101.Contains(499)

TEXT j1101s

J1102_1 What was the purpose of growing Cabbage/Califlower ?

E j1101.Contains(1)

SINGLE-SELECT j1102_1

- 01 ○ Mainly home consumption
- 02 ○ Mainly for sale
- 03 ○ Home consumption & sale

J1102_2 What was the purpose of growing Mustard/Kailan ?

E j1101.Contains(2)

SINGLE-SELECT j1102_2

- 01 ○ Mainly home consumption
- 02 ○ Mainly for sale
- 03 ○ Home consumption & sale

J1102_3 What was the purpose of growing Okra ?

E j1101.Contains(3)

SINGLE-SELECT j1102_3

- 01 ○ Mainly home consumption
- 02 ○ Mainly for sale
- 03 ○ Home consumption & sale

J1102_4 What was the purpose of growing Tomato?

E j1101.Contains(4)

SINGLE-SELECT j1102_4

- 01 ○ Mainly home consumption
- 02 ○ Mainly for sale
- 03 ○ Home consumption & sale

J1102_5 What was the purpose of growing Eggplant ?

E j1101.Contains(5)

SINGLE-SELECT j1102_5

- 01 ○ Mainly home consumption
- 02 ○ Mainly for sale
- 03 ○ Home consumption & sale

J1102_6 What was the purpose of growing Cucumber ?

E j1101.Contains(6)

SINGLE-SELECT j1102_6

- 01 ○ Mainly home consumption
- 02 ○ Mainly for sale
- 03 ○ Home consumption & sale

J1102_7 What was the purpose of growing Gourd/Chayote ?

E j1101.Contains(7)

SINGLE-SELECT j1102_7

- 01 ○ Mainly home consumption
- 02 ○ Mainly for sale
- 03 ○ Home consumption & sale

J1102_8 What was the purpose of growing Pumpkin ?

E j1101.Contains(8)

SINGLE-SELECT j1102_8

- 01 ○ Mainly home consumption
- 02 ○ Mainly for sale
- 03 ○ Home consumption & sale

J1102_9 What was the purpose of growing Sweetcorn ?

E j1101.Contains(9)

SINGLE-SELECT j1102_9

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1102_10 What was the purpose of growing Roselle ?

E j1101.Contains(10)

SINGLE-SELECT j1102_10

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1102_99 What was the purpose of growing %j1101s% ?

E j1101.Contains(499)

SINGLE-SELECT j1102_99

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1200. Did the household grow any watermelon, musk melon or other melon?

SINGLE-SELECT j1200

01 ○ Yes
02 ○ No

J1201. Did you grow the following?

E j1200 == 1

MULTI-SELECT j1201

01 ☐ Watermelon
02 ☐ Musk melon
99 ☐ Other melon

J1201s. Please sepcify the other

E j1201.Contains(99)

TEXT j1201s

J1202_1 What was the purpose of growing Watermelon ?

E j1201.Contains(1)

SINGLE-SELECT j1202_1

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1202_2 What was the purpose of growing Musk Melon ?

E j1201.Contains(2)

SINGLE-SELECT j1202_2

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1202_99 What was the purpose of growing %j1201s% ?

E j1201.Contains(99)

SINGLE-SELECT j1202_99

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1300. Did the household grow Pineapple or Strawberry?

SINGLE-SELECT j1300

01 ○ Yes
02 ○ No

J1302 What was the purpose of growing Pineapple or Strawberry ?

E j1300 == 1

SINGLE-SELECT j1302

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1400. Did the household grow ornamental flowers/plants?

SINGLE-SELECT j1400

01 ○ Yes
02 ○ No

J1402 What was the purpose of growing Ornamental flower?

E `j1400 == 1`

SINGLE-SELECT `j1402`

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1500. Did the household grow any fruits?

I This includes Banana, Mango, Papaya, Orange/Lemon/Pomelon, Avocado, Apple/Pear, Jackfruit/Durian, Dragonfruit.

SINGLE-SELECT `j1500`

01 ○ Yes
02 ○ No

J1501. Did you grow the following?

E `j1500 == 1`

MULTI-SELECT `j1501`

01 ☐ Banana
02 ☐ Mango
03 ☐ Papaya
04 ☐ Orange/Lemon/Pomelo
05 ☐ Avocado
06 ☐ Apple/Pear
07 ☐ Jackfruit/Durian
08 ☐ Dragonfruit

J1502_1 What was the purpose of growing Banana ?

E `j1501.Contains(1)`

SINGLE-SELECT `j1502_1`

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1502_2 What was the purpose of growing Mango ?

E `j1501.Contains(2)`

SINGLE-SELECT `j1502_2`

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1502_3 What was the purpose of growing Papaya ?

E `j1501.Contains(3)`

SINGLE-SELECT `j1502_3`

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1502_4 What was the purpose of growing Orange/Lemon/Pomelon ?

E `j1501.Contains(4)`

SINGLE-SELECT `j1502_4`

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1502_5 What was the purpose of growing Avocado ?

E `j1501.Contains(5)`

SINGLE-SELECT `j1502_5`

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1502_6 What was the purpose of growing Apple/Pear ?

E `j1501.Contains(6)`

SINGLE-SELECT `j1502_6`

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1502_7 What was the purpose of growing Jackfruit/Durian ?

E `j1501.Contains(7)`

SINGLE-SELECT `j1502_7`

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1502_8. What was the purpose of growing Dragonfruit ?

E j1501.Contains(8)

SINGLE-SELECT j1502_8

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1600. Did the household grow coffee/tea?

SINGLE-SELECT j1600

01 ○ Yes
02 ○ No

J1601. Did you grow the following?

E j1600 == 1

MULTI-SELECT j1601

01 ☐ Coffee
02 ☐ Tea

J1602_1 What was the purpose of growing Coffee ?

E j1601.Contains(1)

SINGLE-SELECT j1602_1

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1602_2 What was the purpose of growing Tea ?

E j1601.Contains(2)

SINGLE-SELECT j1602_2

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1700. Did the household grow Bamboo/Eucaluptus/Other tree?

SINGLE-SELECT j1700

01 ○ Yes
02 ○ No

J1701. Did you grow the following?

E j1700 == 1

MULTI-SELECT j1701

01 ☐ Bamboo
02 ☐ Eucalyptus
99 ☐ Other tree

J1701s. Please specify the other tree

E j1701.Contains(99)

TEXT j1701s

J1702_1 What was the purpose of growing Bamboo ?

E j1701.Contains(1)

SINGLE-SELECT j1702_1

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1702_2 What was the purpose of growing Eucalyptus ?

E j1701.Contains(2)

SINGLE-SELECT j1702_2

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1702_99 What was the purpose of growing %j1701s% ?

E j1701.Contains(99)

SINGLE-SELECT j1702_99

01 ○ Mainly home consumption
02 ○ Mainly for sale
03 ○ Home consumption & sale

J1. CROPS

Roster: CROPS

generated by fixed list

J1_r_major_crops

001 Monsoon Paddy

002 Pre/ Post - Monsoon Paddy

003 Maize
004 Pigeon Pea
005 Groundnut
006 Sesame
007 Sunflower
008 Niger
009 Soy Bean
010 Green Gram
011 Black Gram
012 Chick Pea
013 Lab Lab
133 Long bean
199 Other bean
014 Wheat
015 Sorghum
016 Millet
017 Sugarcane
018 Chillies
019 Ginger
020 Tumeric
021 Garlic
022 Shallot/Onion
023 Potato
024 Gamone(Medical Herb)
025 Betel
026 Tobacco
027 Cheroot
028 Cabbage/ Cauliflower
029 Mustard/ Kailan
030 Okra
031 Tomato
032 Eggplant
033 Cucumber
034 Gourd/ Chayote
035 Pumpkin
036 Sweetcorn
037 Roselle
499 Other vegetable/Vegetables
038 Watermelon
039 Musk melon
299 Other melon
040 Pineapple/ Strawberry
041 Ornamental flowers
042 Banana
043 Mango
044 Papaya
045 Orange/Lemon/Pomelo

046 Avocado
047 Apple/Pear
048 Jackfruit/Durian
049 Coffee
050 Tea
051 Bamboo
052 Eucalyptus
399 Other tree

E `(@rowcode == 1 && (j101.Contains(1)))|| (@rowcode == 2 && (j101.Contains(2))) || (@rowcode == 5 && (j301.Contains(1)) ) || (@rowcode == 6 && (j301.Contains(2))) || (@rowcode == 3 && (j202== 2 || j202== And 2768 other symbols [2]`

J001. What was the total area planted to %J1_r_major_crops%?

E1 `self > 0`
M1 The total area should not be zero

NUMERIC: DECIMAL `j001`

SPECIAL VALUES
9995 [9995] Only a small area
9997 [9997] Don't know

J001u. Area Unit

E `IsAnswered(j001) && j001!=9995 && j001!=9997`

SINGLE-SELECT `j001u`
01 ○ Acre
02 ○ Square Feet
03 ○ Square Taung

VARIABLE
`j001*(area_conversion_factors[(int)j001u].conversion)`

DOUBLE `j001 acres`

STATIC TEXT

E `IsAnswered(j001u) && j001u!=1`

This is %j001_acres% acres

J002.How much %J1_r_major_crops% did you harvest in Total in the last 12 months?

NUMERIC: DECIMAL `j002`

SPECIAL VALUES
9997 [9997] Don't know
9998 [9998] Not applicable
9991 [9991] Not yet harvested

J002u. Unit

E `IsAnswered(j002) && (j002!=9997 && j002!=9998 && j002!=9991 && j002!= 0)`

SINGLE-SELECT `j002u`

- 01 Viss
- 02 Pyi
- 03 Kilogram
- 04 Can
- 05 Sack
- 06 Ton
- 07 Container
- 17 Barrel
- 08 Basket
- 09 Lan
- 10 Number (of pieces)
- 11 Number (of plants)
- 12 Number (of times)
- 13 Value (kyat)
- 14 Bundle
- 15 Bunch

And 2 other symbols [11]

J002us. Other (specify)

E `j002u==99`

TEXT `j002us`

J003. How many Viss/Pyi/Kg/Can/Piece are there in one %j002u%?

E `j002u==5 || j002u==7 || j002u==8 || j002u == 9`

NUMERIC: DECIMAL `j003`

J003u. Unit for non-standard unit conversion

E `IsAnswered(j003)`

SINGLE-SELECT `j003u`

- 01 Viss
- 02 Pyi
- 03 Kilogram
- 04 Can
- 05 Piece

J004s. How many Viss/Pyi/Kg/Can/Piece are there in one %j002us%?

E `j002u==99`

NUMERIC: DECIMAL `j004s`

J004su. Unit for non-standard unit conversion

E `j002u==99`

SINGLE-SELECT `j004su`

- 01 Viss
- 02 Pyi
- 03 Kilogram
- 04 Can
- 05 Piece

J005.How much %J1_r_major_crops% did you sell in the last 12 months?

E `IsAnswered(j002) && (j002!=9998 && j002!= 0 && j002!=9991) && @rowcode != 3 && @rowcode != 4 && ((@rowcode==1 && j102_1!=1) || (@rowcode==2 && j102_2!=1) || (@rowcode==5 && j302_1!=1) || (@rowcod` And 853 other symbols [1]

NUMERIC: DECIMAL `j005`

SPECIAL VALUES

- 9997 [9997] Don't know
- 9998 [9998] Not applicable
- 9992 [9992] Not yet sold

J005u. Unit

E `IsAnswered(j005) && (j005!=9992 && j005!=9997 && j005!=9998 && j005!= 0)`

E1 `(self == j002u && j005<= j002) || (self != j002u && (j005 == j002 || j005 !=j002))`

M1 The amount sold must be less than or equal to the amount produced!

SINGLE-SELECT `j005u`

- 01 ○ Viss
- 02 ○ Pyi
- 03 ○ Kilogram
- 04 ○ Can
- 05 ○ Sack
- 06 ○ Ton
- 07 ○ Container
- 17 ○ Barrel
- 08 ○ Basket
- 09 ○ Lan
- 10 ○ Number (of pieces)
- 11 ○ Number (of plants)
- 12 ○ Number (of times)
- 13 ○ Value (kyat)
- 14 ○ Bundle
- 15 ○ Bunch

And 2 other symbols [12]

J005us. Other (specify)

E `j005u==99`

TEXT `j005us`

J006. How many Viss/Pyi/Kg/Can/Piece are there in one %j005u%?

E `(j005u==5 || j005u==7 || j005u==8|| j005u == 9) && (j005u!=j002u)`

NUMERIC: DECIMAL `j006`

J006u. Unit for non-standard unit conversion

E `IsAnswered(j006)`

SINGLE-SELECT `j006u`

- 01 ○ Viss
- 02 ○ Pyi
- 03 ○ Kilogram
- 04 ○ Can
- 05 ○ Piece

J007s. How many Viss/Pyi/Kg/Can/Piece are there in one %j005us%?

E `j005u==99 && (j005u!=j002u)`

NUMERIC: DECIMAL `j007s`

J007su. Unit for non-standard unit conversion

E `j005u==99`

SINGLE-SELECT `j007su`

- 01 ○ Viss
- 02 ○ Pyi
- 03 ○ Kilogram
- 04 ○ Can
- 05 ○ Piece

J108_1. What state was %J1_r_major_crops% sold in?

E `(@rowcode == 5) && IsAnswered(j005) && j005 != 0 && j005 !=9992`

SINGLE-SELECT `j108 1`

- 01 ○ Shell-off (threshed)
- 02 ○ Shell-on (unthreshed)
- 03 ○ Oil

J108_2. What state was %J1_r_major_crops% sold in?

E `((@rowcode == 6)||(@rowcode==8)) && IsAnswered(j005)&& j005 != 0 && j005!=9992`

SINGLE-SELECT `j108 2`

- 01 ○ Grain
- 02 ○ Oil

J108_3. What state was %J1_r_major_crops% sold in?

E `(@rowcode == 7) && IsAnswered(j005) && j005 != 0 && j005 !=9992`

SINGLE-SELECT `j108_3`

01 ○ Seed
02 ○ Oil

VARIABLE

`(j002 == j005 ) && j002u == 13 && j005u == 13`

BOOLEAN `ifKyat`

J009. What was the unit price of %J1_r_major_crops% at the time you sold the largest quantity? (in Kyat)

E `IsAnswered(j005) && j005 != 0 && j005!=9992 && j005!=9997 && j005!=9998 && ifKyat == false`

E1 `self != 0`

M1 The price should not be zero.

NUMERIC: DECIMAL `j009`

SPECIAL VALUES

9997 [9997] Don't know

J009u. Unit

E `IsAnswered(j009) && j009 != 9997`

SINGLE-SELECT `j009u`

01 ○ Kyat
02 ○ Lakh Kyat

J009p. Per

E `IsAnswered(j009u)`

SINGLE-SELECT `j009p`

01 ○ Total
02 ○ Per acre
03 ○ Per viss
04 ○ Per pyi
05 ○ Per kilogram
06 ○ Per can
07 ○ Per sack
08 ○ Per Ton
09 ○ Per container
10 ○ Per barrel
11 ○ Per basket
12 ○ Per lan
13 ○ Per piece
14 ○ Per bundle
15 ○ Per bunch
16 ○ Per Hand (of bananas)

J010. What is the cost of production of %J1_r_major_crops% in the last 12 months? (e.g. including all hired labor, seed, fertilizer, machine hire, irrigation costs)

E `IsAnswered(j002) && @rowcode != 4`

NUMERIC: DECIMAL `j010`

SPECIAL VALUES

9997 9997- Do Not Know

J010pp. What is the cost of production of %J1_r_major_crops% in the last 12 months? (e.g. including all hired labor, seed, fertilizer, machine hire, irrigation costs)

I IF PIGEON PEA WAS INTERCROPPED, DON'T FORGET TO INCLUDE ANY COSTS OF ANY LABOR HIRED FOR HARVESTING, THRESHING ETC

E `IsAnswered(j002) && @rowcode == 4`

NUMERIC: DECIMAL `j010pp`

SPECIAL VALUES

9996 [9996] Intercropped and harvested with family labour
9997 [9997] Don't know

J010u. Unit

E `IsAnswered(j010) && (j010!=9997 && j010!=9996 && j010 != 0) || IsAnswered(j010pp) && (j010pp!=9997 && j010pp!=9996 && j010pp != 0)`

SINGLE-SELECT `j010u`

01 ○ Kyat
02 ○ Lakh Kyat

J010p. Per

E IsAnswered(j010u)

SINGLE-SELECT j010p

01 ○ Total
02 ○ Per acre
03 ○ Per viss
04 ○ Per pyi
05 ○ Per kilogram
06 ○ Per can
07 ○ Per sack
08 ○ Per Ton
09 ○ Per container
10 ○ Per barrel
11 ○ Per basket
12 ○ Per lan
13 ○ Per piece
14 ○ Per bundle
15 ○ Per bunch
16 ○ Per Hand (of bananas)

J011. Was %J1_r_major_crops% irrigated during the past 12 months?

SINGLE-SELECT j011

01 ○ Yes
02 ○ No

J012. During which seasons was it irrigated

E j011==1 && @rowcode != 1 && @rowcode != 2

MULTI-SELECT j012

01 ☐ Pre-monsoon
02 ☐ Monsoon
03 ☐ Post-monsoon

J013. What was the primary source of irrigation water?

E j011==1

MULTI-SELECT j013

01 ☐ Rive/stream/spring
02 ☐ Well/groundwater
03 ☐ Government dam irrigation scheme
04 ☐ Community managed dam
99 ☐ Other (specify)

J013s. Please specify other...

E j013.Contains(99)

TEXT j013s

.....

J2. MAIZE AND PIGEON PEA SALES

In which season did you plant maize?

E J1_r_major_crops.Any(x=>x.@rowcode == 3 && IsAnswered(x.j002) && x.j002 != 0 && x.j002 != 9997 && x.j002!=9991)

MULTI-SELECT season

01 ☐ Monsoon
02 ☐ Dry Season

J2. MAIZE AND PIGEON PEA SALES

MAIZE

E J1_r_major_crops.Any(x=>x.@rowcode == 3 && IsAnswered(x.j002) && x.j002 != 0 && x.j002 != 9997 && x.j002!=9991) && season.Contains(1)

STATIC TEXT

All the questions about maize are about the MOST RECENT MONSOON season.

J200_1.Did you sell any of the monsoon maize harvested from all your parcels?

SINGLE-SELECT j200 1

01 ○ Yes
02 ○ No

J201_1. Did you keep or give away any of the monsoon maize harvested from all your parcels?

SINGLE-SELECT j201 1

01 ○ Yes
02 ○ No

STATIC TEXT

E `j200_1==2 && j201_1==2`

Not Possible!!!
Check again

J202_1. What happened to the monsoon maize harvested from all parcels?

F (@optioncode!=4 && @optioncode!=5 && @optioncode!=6 && @optioncode!=7 && j200_1==1 && j201_1==2)|| (@optioncode!=1 && @optioncode!=2 && @optioncode!=3 && j200_1==2 && j201_1==1)|| (@optioncode<8 && j2 And 21 other symbols [2]

W1 `self.ContainsAny(4,5,6,7)|| self.Contains(1) && !self.ContainsAny (2,3)&& self.ContainsAny(4,5,6,7) || self.Contains(1) && !self.ContainsAny(4,2,3,5,6,7) || self.ContainsOnly(1,2) && self.ContainsAny` And 184 other symbols [3]

M1 If there is only one sale, you must choose the first one. If there are two sales, you must choose the first and second sale. If there are three sales, choose all of them.

MULTI-SELECT j202 1

01 ☐ 1st Sale
02 ☐ 2nd Sale
03 ☐ 3rd Sale
04 ☐ Still available for sale
05 ☐ Reserved for own-consumption
06 ☐ Paid to hired labor
07 ☐ Given to others as gift or donation

J2. MAIZE AND PIGEON PEA SALES / MAIZE

Roster: MAIZE SALES ROSTER

generated by multi-select question `j202 1` J2_r_maize

J203_1. What quantity of Maize was used for %J2_r_maize%?

NUMERIC: DECIMAL j203_1

SPECIAL VALUES
9997 [9997] Don't know

J203_1u. Unit

E `IsAnswered(j203_1) && j203_1!=9997 && j203_1!=0`

SINGLE-SELECT j203 1u

01 ○ Viss
02 ○ Pyi
03 ○ Kilogram
04 ○ Can
05 ○ Sack
06 ○ Container
07 ○ Basket
08 ○ Lan
09 ○ Number (of pieces)
10 ○ Number (of plants)
11 ○ Number (of times)
12 ○ Value (kyat)
13 ○ Bundle
14 ○ Bunch
99 ○ Other unit (specify)

J203_1us. Other (specify)

E `j203_1u==99`

TEXT j203 1us

J204_1. How many Viss/Pyi/Kg/Can are there in one %j203_1u%?

E `j203_1u==5 || j203_1u==6 || j203_1u==7 || j203_1u==8`

NUMERIC: DECIMAL `j204_1`

J204_1s. Unit for non-standard unit conversion

E `IsAnswered(j204_1)`

SINGLE-SELECT `j204_1s`

01 ○ Viss
02 ○ Pyi
03 ○ Kilogram
04 ○ Can

J205_1. How many Viss/Pyi/Kg/Can are there in one %j203_1us%?

E `j203_1 == 99`

NUMERIC: DECIMAL `j205_1`

J205_1s. Unit for non-standard unit conversion

E `IsAnswered(j205_1)`

SINGLE-SELECT `j205_1s`

01 ○ Viss
02 ○ Pyi
03 ○ Kilogram
04 ○ Can

J206_1. When did you make this sale?

E `@rowcode==1 || @rowcode==2 || @rowcode==3`

SINGLE-SELECT `j206_1`

01 ○ May, 2018
02 ○ April, 2018
03 ○ March, 2018
04 ○ February, 2018
05 ○ January, 2018
06 ○ December, 2017
07 ○ November, 2017
08 ○ October, 2017
09 ○ September, 2017
10 ○ August, 2017
11 ○ July, 2017
12 ○ June, 2017
97 ○ Don't know

J207_1. How much money did you receive from this sale?

E `@rowcode==1 || @rowcode==2 || @rowcode==3`

NUMERIC: DECIMAL `j207_1`

SPECIAL VALUES
9997 [9997] Don't know

J207_1u. Unit

E `IsAnswered(j207_1) && j207_1!=9997`

SINGLE-SELECT `j207_1u`

01 ○ Kyat
02 ○ Lakh

J207_1p. Per

E `IsAnswered(j207_1) && j207_1!=9997`

SINGLE-SELECT `j207_1p`

01 ○ Total
02 ○ Viss
03 ○ Basket
04 ○ Sack
05 ○ Container
99 ○ Other

J208_1. Where was this buyer located?

E `@rowcode==1 || @rowcode==2 || @rowcode==3`

SINGLE-SELECT `j208 1`

01 This village
02 This or nearby village tract
03 Taungyi City
04 Aye Thar Yar Town
05 Aung Ban town
06 Hopong town
07 Moe Bye (Nyaung Shwe)
08 Hsiseng town
09 Laikha town
10 Langkho town
11 Namsang town
12 Pindaya town
13 Lawksawk town
14 Hsipaw town
15 Kyaukme town
16 Hseni town

And 6 other symbols [13]

J208_1s. Please Specify the other Location

E `j208_1 == 99`

TEXT `j208_1s`

J209_1. What is the buyer's ethnicity?

E `@rowcode== 1 || @rowcode == 2 || @rowcode == 3`

SINGLE-SELECT `j209_1`

01 Shan
02 Pa-O
03 Burmese
04 Danu
05 Taungyoe
06 Kayan
07 Kayah
08 Innthar
09 Lahu
10 Akha
11 Palaung(Ta'ang)
12 Kayin
13 Wa
14 Kokang
15 Chinese
16 Tamil/ other south asian

And 5 other symbols [14]

J209_1s.Please specify the other ethnicity?

E `j209_1 == 99`

TEXT `j209 1s`

J211_1. How much did you spend on transport to the point of sale?

E `@rowcode==1 || @rowcode==2 || @rowcode==3`

NUMERIC: DECIMAL `j211 1`

SPECIAL VALUES

0000 No transportation cost for the sale
9997 [9997] Don't know
9998 [9998] Not Applicable

J211_1u. Unit

E `IsAnswered(j211_1) && j211_1 != 9997 && j211_1 != 0 && j211_1!=9998`

SINGLE-SELECT j211 1u

01 ○ Kyat
02 ○ Lakh

J211_1p. Per

E `IsAnswered(j211_1u)`

SINGLE-SELECT j211 1p

01 ○ Total
02 ○ Viss
03 ○ Basket
04 ○ Sack
05 ○ Container
99 ○ Other

J212_1_1. Is second buyer the same with first buyer?

E `@rowcode==2`

SINGLE-SELECT j212_1_1

01 ○ Yes
02 ○ No

J212_1_2. Is third buyer the same with any of the previous two buyers?

E `@rowcode==3`

SINGLE-SELECT j212 1 2

01 ○ Yes
02 ○ No

J213_1.How many year(s) did you sell maize to this buyer within the past 5 years?

E `(@rowcode==1||@rowcode==2||@rowcode==3) && j212_1_1!=1 && j212_1_2!=1`
E1 `self.InRange(1,5)`
M1 Please check again...

NUMERIC: INTEGER j2013 1

J214_1. What was your main reason for selling to the buyer?

E `(@rowcode==1||@rowcode==2||@rowcode==3) && j212_1_1!=1 && j212_1_2!=1`

SINGLE-SELECT j214 1

01 ○ Gives higher prices
02 ○ Is closed by
03 ○ Gives advances when needed
04 ○ To maintain a good relationship
05 ○ Because I trust them/have a good relationship with them
06 ○ Accepts large quantities
07 ○ Accepts small quantities
08 ○ Pays immediately
09 ○ No other option
10 ○ First buyer to make acceptable offer
11 ○ The buyer came to my house
12 ○ Relatives
97 ○ Do Not Know
99 ○ Other

J214_1s. Please Specify the other Reason

E `j214_1 == 99`

TEXT j214 1s

J215_1. Did you borrow from the buyer within past 5 years?

E `(@rowcode==1||@rowcode==2||@rowcode==3) && j212_1_1!=1 && j212_1_2!=1`

SINGLE-SELECT j215 1

01 ○ Yes
02 ○ No

J216_1. How many year(s) did you borrow from the buyer within past 5 years?

E j215_1==1
E1 self.InRange(1,5)
M1 Please check again

NUMERIC: INTEGER j216_1

SPECIAL VALUES
9997 [9997] Don't know

J2. MAIZE AND PIGEON PEA SALES

PIGEON PEA

E J1_r_major_crops.Any(x=>x.@rowcode == 4 && IsAnswered(x.j002) && x.j002 != 0 && x.j002 != 9997 && x.j002 !=9991)

J200_2. Did you sell any of the pigeon pea harvested from all your parcel in past 12 months?

SINGLE-SELECT j200_2
01 ○ Yes
02 ○ No

J201_2.Did you keep or give away any of the pigeon pea harvested from all your parcel in past 12 months?

SINGLE-SELECT j201_2
01 ○ Yes
02 ○ No

STATIC TEXT

E j200_2==2 && j201_2==2

Not Possible!!!
Check again

J202_2. What happened to Monsoon Pigeon Pea harvested from all parcels during the most recent monsoon cropping cycle?

F (@optioncode!=4 && @optioncode!=5 && @optioncode!=6 && @optioncode!=7 && j200_2==1 && j201_2==2)|| (@optioncode!=1 && @optioncode!=2 && @optioncode!=3 && j200_2==2 && j201_2==1)|| (@optioncode<8 && j2 And 21 other symbols [3]

MULTI-SELECT j202_2
01 ☐ 1st Sale
02 ☐ 2nd Sale
03 ☐ 3rd Sale
04 ☐ Still available for sale
05 ☐ Reserved for own-consumption
06 ☐ Paid to hired labor
07 ☐ Given to others as gift or donation

J2. MAIZE AND PIGEON PEA SALES / PIGEON PEA

Roster: ROSTER

generated by multi-select question j202_2 J2_r_PigeonPea

J203_2. What quantity of Pigeon Pea was used for %J2_r_PigeonPea%?

NUMERIC: DECIMAL j203_2

SPECIAL VALUES
9997 [9997] Don't know

J203_2u. Unit

E `IsAnswered(j203_2) && j203_2!=9997`

SINGLE-SELECT `j203_2u`

01 ○ Viss
02 ○ Pyi
03 ○ Kilogram
04 ○ Can
05 ○ Sack
06 ○ Container
07 ○ Basket
08 ○ Lan
09 ○ Number (of pieces)
10 ○ Number (of plants)
11 ○ Number (of times)
12 ○ Value (kyat)
13 ○ Bundle
14 ○ Bunch
99 ○ Other unit (specify)

J203_2us. Other (specify)

E `j203_2u==99`

TEXT `j203_2us`

J204_2. How many Viss/Pyi/Kg/Can are there in one %j203_2u%?

E `j203_2u==5 || j203_2u==6 || j203_2u==7 || j203_2u==8`

NUMERIC: DECIMAL `j204_2`

J204_2s. Unit for non-standard unit conversion

E `IsAnswered(j204_2)`

SINGLE-SELECT `j204_2s`

01 ○ Viss
02 ○ Pyi
03 ○ Kilogram
04 ○ Can

J205_2. How many Viss/Pyi/Kg/Can are there in one %j203_2us%?

E `j203_2 == 99`

NUMERIC: DECIMAL `j205_2`

J205_2s. Unit for non-standard unit conversion

E `IsAnswered(j205_2)`

SINGLE-SELECT `j205_2s`

01 ○ Viss
02 ○ Pyi
03 ○ Kilogram
04 ○ Can

J206_2. When did you make this sale?

E `@rowcode==1 || @rowcode==2 || @rowcode==3`

SINGLE-SELECT `j206_2`

01 ○ May, 2018
02 ○ April, 2018
03 ○ March, 2018
04 ○ February, 2018
05 ○ January, 2018
06 ○ December, 2017
07 ○ November, 2017
08 ○ October, 2017
09 ○ September, 2017
10 ○ August, 2017
11 ○ July, 2017
12 ○ June, 2017
97 ○ Don't know

J207_2. How much money did you receive from this sale?

E `@rowcode==1 || @rowcode==2 || @rowcode==3`

NUMERIC: DECIMAL `j207_2`

SPECIAL VALUES
9997 [9997] Don't know

J207_2u. Unit

E `IsAnswered(j207_2) && j207_2 != 9997`

SINGLE-SELECT `j207_2u`
01 ○ Kyat
02 ○ Lakh

J207_2p. Per

E `IsAnswered(j207_2) && j207_2 != 9997`

SINGLE-SELECT `j207_2p`
01 ○ Total
02 ○ Viss
03 ○ Basket
04 ○ Sack
05 ○ Container
06 ○ Bundle
99 ○ Other

J208_2. Where was this buyer located?

E `@rowcode==1 || @rowcode==2 || @rowcode==3`

SINGLE-SELECT `j208_2`
01 ○ This village
02 ○ This or nearby village tract
03 ○ Taungyi City
04 ○ Aye Thar Yar Town
05 ○ Aung Ban town
06 ○ Hopong town
07 ○ Moe Bye (Nyaung Shwe)
08 ○ Hsiseng town
09 ○ Laikha town
10 ○ Langkho town
11 ○ Namsang town
12 ○ Pindaya town
13 ○ Lawksawk town
14 ○ Hsipaw town
15 ○ Kyaukme town
16 ○ Hseni town

And 6 other symbols [15]

J208_2s. Please Specify the other Location

E `j208_2 == 99`

TEXT `j208_2s`

J209_2. What is the buyer's ethnicity?

E `@rowcode == 1 || @rowcode == 2 || @rowcode == 3`

SINGLE-SELECT `j209_2`

01 ○ Shan
02 ○ Pa-O
03 ○ Burmese
04 ○ Danu
05 ○ Taungyoe
06 ○ Kayan
07 ○ Kayah
08 ○ Innthar
09 ○ Lahu
10 ○ Akha
11 ○ Palaung(Ta'ang)
12 ○ Kayin
13 ○ Wa
14 ○ Kokang
15 ○ Chinese
16 ○ Tamil/ other south asian

And 5 other symbols [16]

J209_2s.Please specify the other ethnicity?

E `j209_2 == 99`

TEXT `j209_2s`

J210_2. Is this Pigeon Pea buyer same as the Maize buyer?

E `(@rowcode==1 || @rowcode==2 || @rowcode==3 ) && j200_1 == 1`

SINGLE-SELECT `j210_2`

0001 ○ Yes
0002 ○ No
9997 ○ Don't know

J211_2. How much did you spend on transport to the point of sale?

I If the household paid the transportation fee for the maize and pigeon pea together and don't know the part for pigeon pea, put "9996" here and put the total amount in the maize section above. Put 999
And 15 other symbols [1]

E `(@rowcode==1 || @rowcode==2 || @rowcode==3 )`

NUMERIC: DECIMAL `j211_2`

SPECIAL VALUES

9996 [9996] transportation fee for maize and pigeon together, don't know the part for pigeon pea
9997 [9997] Don't know
9998 [9998] Not Applicable

J211_2u. Unit

E `j211_2>0 && j211_2 != 9997 && j211_2 != 9996 && j211_2!= 9998`

SINGLE-SELECT `j211_2u`

01 ○ Kyat
02 ○ Lakh

J211_2p. Per

E `j211_2>0 && j211_2 != 9997 && j211_2 != 9996 && j211_2!= 9998`

SINGLE-SELECT `j211_2p`

01 ○ Total
02 ○ Viss
03 ○ Basket
04 ○ Sack
05 ○ Container
06 ○ Bundle
99 ○ Other

J211_2ps. Please specify the other

E `j211_2p == 99`

TEXT `j211_2ps`

J212_2_1. Is second buyer the same with first buyer?

E @rowcode==2

SINGLE-SELECT j212_2_1

01 ○ Yes
02 ○ No

J212_2_2. Is third buyer the same with previous two buyers?

E @rowcode==3

SINGLE-SELECT j212_2_2

01 ○ Yes
02 ○ No

J213_2. How many year(s) did you sell Monsoon Pigeon Pea to this buyer within the past 5 years?

E (@rowcode==1||@rowcode==2||@rowcode==3) && j212_2_1!=1 && j212_2_2!=1
E1 self.InRange(1,5)
M1 Please check again

NUMERIC: INTEGER j213_2

J214_2. What was your main reason for selling to the buyer?

E (@rowcode==1||@rowcode==2||@rowcode==3) && j212_2_1!=1 && j212_2_2!=1

SINGLE-SELECT j214_2

01 ○ Gives higher prices
02 ○ Is closed by
03 ○ Gives advances when needed
04 ○ To maintain a good relationship
05 ○ Because I trust them/ Have a good relationship with them
06 ○ Accepts large quantities
07 ○ Accepts small quantities
08 ○ Pays immediately
09 ○ No other option
10 ○ First buyer to make acceptable offer
11 ○ The buyer came to my house
12 ○ Relatives
97 ○ Do Not Know
99 ○ Other

J214_2s. Please Specify the other Reason

E j214_2 == 99

TEXT j214_2s

J215_2. Did you borrow from the buyer within past 5 years?

E (@rowcode==1||@rowcode==2||@rowcode==3) && j212_2_1!=1 && j212_2_2!=1 && j210_2!=1

SINGLE-SELECT j215_2

01 ○ Yes
02 ○ No

J216_2. How many year(s) did you borrow from the buyer within past 5 years?

E j215_2==1
E1 self.InRange(1,5)
M1 Please double check

NUMERIC: INTEGER j216_2

SPECIAL VALUES
9997 Don't know

L. SAMPLE PARCEL OVERVIEW

STATIC TEXT

E selectedParcel_p1!=null || selectedParcel_p2!=null || selectedParcel_p3!=null || selectedParcel_p4!=null || selectedParcel_p5!=null

Sample parcel is %sp_name% and area is %sp_area% acre.

STATIC TEXT

E `selectedParcel_p1==null && selectedParcel_p2==null && selectedParcel_p3==null && selectedParcel_p4==null && selectedParcel_p5==null`

There is no Sample parcel.

STATIC TEXT

E `selectedParcel_p1!=null || selectedParcel_p2!=null || selectedParcel_p3!=null || selectedParcel_p4!=null || selectedParcel_p5!=null`

NOTE: All questions in this module refer to the sample parcel - %sp_name%. Remind the interviewee which parcel is the sample parcel, using the map they drew.

L. SAMPLE PARCEL OVERVIEW

SAMPLE PARCEL - %SP_NAME% [%SP_AREA%]ACRE

E `selectedParcel_p1!=null || selectedParcel_p2!=null || selectedParcel_p3!=null || selectedParcel_p4!=null || selectedParcel_p5!=null`

L100. Describe soil quality of sample parcel - %sp_name%

SINGLE-SELECT — l100

01 ○ Good
02 ○ Fair
03 ○ Poor

L101. In general, what is the slope of the plot?

SINGLE-SELECT — l101

01 ○ Flat
02 ○ Slight slope
03 ○ Moderate slope
04 ○ Steep slope

L102_1. In which seasons did you plant maize in sample parcel - %sp_name% during the past 12 months?

E `sp_maize==1`

SINGLE-SELECT — l102_1

01 ○ Monsoon season
02 ○ Dry season
03 ○ Both

L. SAMPLE PARCEL OVERVIEW / SAMPLE PARCEL - %SP_NAME% [%SP_AREA%]ACRE

MAIZE

E `IsAnswered(l102_1) && l102_1 !=2`

VARIABLE

`(l102_1==1?"Monsoon":"")+ (l102_1==2?"Dry season":"")+ ( l102_1==3?"Monsoon":"")`

STRING — maize season

L103_1. What area of the sample parcel %sp_name% did you plant %maize_season% Maize during the past 12 months?
Unit - Acres

E1 `self<=sp_area || self==9997`
M1 Please check again...

NUMERIC: DECIMAL — l103

SPECIAL VALUES
9997 [9997] Don't know

L104_1. In which year did you first plant %maize_season% Maize on the sample parcel - %sp_name%?

E1 `$Year && self >= sp_year`
M1 Check again...

NUMERIC: INTEGER — l104_1

SPECIAL VALUES
9997 [9997] Don't know

L105_1. Have you planted %maize_season% Maize on the sample parcel - %sp_name% in every year since [%l104_1%]?

E `l104_1<2017`

SINGLE-SELECT — l105_1

01 ○ Yes
02 ○ No

L106_1. In how many years since %l104_1% did you NOT plant %maize_season% Maize on the sample parcel - %sp_name%?

E l105_1==2

NUMERIC: INTEGER l106_1

SPECIAL VALUES
9997 [9997] Don't know

L107_1. What quantity of %maize_season% Maize did you harvest from the sample parcel - %sp_name% during the past 12 months?

I Ask them to estimate if they don't know exactly.

NUMERIC: DECIMAL l107_1

L107_1u. Unit

E IsAnswered(l107_1) && l107_1 != 9997

SINGLE-SELECT l107_1u
01 ○ Viss
02 ○ Pyi
03 ○ Kilogram
04 ○ Can
05 ○ Sack
06 ○ Container
07 ○ Basket
08 ○ Lan
09 ○ Number (of pieces)
10 ○ Number (of plants)
11 ○ Number (of times)
12 ○ Value (kyat)
13 ○ Bundle
14 ○ Bunch
99 ○ Other unit (specify)

L107_1us. Please specify other unit...

E l107_1u==99

TEXT l107_1us

L108_1. How many Viss/Pyi/Kg/Can are there in one %l107_1u%?

E l107_1u==5 || l107_1u==6 || l107_1u==7 || l107_1u==8

NUMERIC: DECIMAL l108_1

L108_1s. Unit for non-standard unit conversion

E IsAnswered(l108_1)

SINGLE-SELECT l108_1s
01 ○ Viss
02 ○ Pyi
03 ○ Kilogram
04 ○ Can

L109_1. How many Viss/Pyi/Kg/Can are there in one %l107_1us%?

E l107_1u== 99

NUMERIC: DECIMAL l109_1

L109_1s. Unit for non-standard unit conversion

E IsAnswered(l109_1)

SINGLE-SELECT l109_1s
01 ○ Viss
02 ○ Pyi
03 ○ Kilogram
04 ○ Can

L110_1. When did you harvest %maize_season% Maize from the sample parcel - %sp_name% within the past 12 months?

SINGLE-SELECT l110_1

01 ○ May, 2018
02 ○ April, 2018
03 ○ March, 2018
04 ○ Feb, 2018
05 ○ Jan, 2018
06 ○ Dec, 2017
07 ○ Nov, 2017
08 ○ Oct, 2017
09 ○ Sep, 2017
10 ○ Aug, 2017
11 ○ Jul, 2017
12 ○ Jun, 2017
99 ○ Unharvested

L. SAMPLE PARCEL OVERVIEW / SAMPLE PARCEL - %SP_NAME% [%SP_AREA%]ACRE

PIGEON PEA

E `sp_pp==1`

L103_2. What area of the sample parcel - %sp_name% did you plant to Pigeon Pea during the past 12 months?
Unit - Acres

E1 `self<=sp_area || self==9997`
M1 Please check again...

NUMERIC: DECIMAL l103_2

SPECIAL VALUES
9997 [9997] Don't know

L104_2. In which year did you first plant Pigeon Pea on the sample parcel - %sp_name%?

E1 `$Year && self >= sp_year`
M1 Check again...

NUMERIC: INTEGER l104_2

SPECIAL VALUES
9997 [9997] Don't know

L105_2. Have you planted Pigeon Pea on the sample parcel - %sp_name% in every year since [%l104_2%]?

E `l104_2<2017`

SINGLE-SELECT l105_2

01 ○ Yes
02 ○ No

L106_2. In how many years since %l104_2% did you NOT plant Pigeon pea on the sample parcel - %sp_name%?

E `l105_2==2`

NUMERIC: INTEGER l106_2

SPECIAL VALUES
9997 [9997] Don't know

L107_2. What quantity of Pigeon Pea did you harvest from the sample parcel - %sp_name% during the past 12 months?

I Ask them to estimate if they don't know exactly

NUMERIC: DECIMAL l107_2

L107_2u. Unit

E `IsAnswered(l107_2) && l107_2 != 9997`

SINGLE-SELECT `l107_2u`

01 ○ Viss
02 ○ Pyi
03 ○ Kilogram
04 ○ Can
05 ○ Sack
06 ○ Container
07 ○ Basket
08 ○ Lan
09 ○ Number (of pieces)
10 ○ Number (of plants)
11 ○ Number (of times)
12 ○ Value (kyat)
13 ○ Bundle
14 ○ Bunch
99 ○ Other unit (specify)

L107_2us. Please specify other unit...

E `l107_2u==99`

TEXT `l107_2us`

L108_2. How many Viss/Pyi/Kg/Can are there in one %l107_2u%?

E `l107_2u==5 || l107_2u==6 || l107_2u==7 || l107_2u==8`

NUMERIC: DECIMAL `l108_2`

L108_2s. Unit for non-standard unit conversion

E `IsAnswered(l108_2)`

SINGLE-SELECT `l108_2s`

01 ○ Viss
02 ○ Pyi
03 ○ Kilogram
04 ○ Can

L109_2. How many Viss/Pyi/Kg/Can are there in one %l107_2us%?

E `l107_2u== 99`

NUMERIC: DECIMAL `l109_2`

L109_2s. Unit for non-standard unit conversion

E `IsAnswered(l109_2)`

SINGLE-SELECT `l109_2s`

01 ○ Viss
02 ○ Pyi
03 ○ Kilogram
04 ○ Can

L110_2. When did you harvest Pigeon Pea (Monsoon) within the past 12 months?

SINGLE-SELECT `l110_2`

01 ○ May, 2018
02 ○ April, 2018
03 ○ March, 2018
04 ○ Feb, 2018
05 ○ Jan, 2018
06 ○ Dec, 2017
07 ○ Nov, 2017
08 ○ Oct, 2017
09 ○ Sep, 2017
10 ○ Aug, 2017
11 ○ Jul, 2017
12 ○ Jun, 2017
99 ○ Unharvested

VARIABLE

(l107_2>0 && l107_2!=9997)?l107_2:0

DOUBLE harvest pigeonpea

M1. SEED

STATIC TEXT

NOTE: All questions in this module refer to the the sample parcel - %sp_name%

M100. Do you grow the following crops on the sample parcel - %sp_name%?

MULTI-SELECT: YES/NO m100

01 ☐ / ☐ Maize (Monsoon)
02 ☐ / ☐ Pigeon Pea (Monsoon)

M1. SEED

Roster: CROP

generated by multi-select question m100 M1_crop

M101. What variety of seed did you plant in the sample parcel - %sp_name% for %M1_crop% during the past 12 months?

F (@optioncode!=24 && @optioncode!=25 && @optioncode!=26 && @optioncode!=27 && @optioncode!=28 && @optioncode !=29 && @optioncode!=30 && @optioncode!=31 && @rowcode==1)|| (@optioncode>23 && @rowcode==2)

MULTI-SELECT m101

01 ☐ CP 888
02 ☐ CP 888 (3G)
03 ☐ CP 888 (F)
04 ☐ CP 808
05 ☐ CP 301
06 ☐ CP 201
07 ☐ CP 111
08 ☐ CP M100
09 ☐ Golden Tiger 029
10 ☐ Thai 333
11 ☐ Thai Gold
12 ☐ Super 981
13 ☐ Armo 339
14 ☐ Armo 288
15 ☐ Armo 5005
16 ☐ Awba (Syngenta) 621

And 17 other symbols [17]

M101s. Please Specify the other variety's company & number

E m101.Contains(99)

TEXT m101s

M102. In which year did you first use this variety on the sample parcel?

E1 self.InRange(1900,2017) || self == 9997 || (IsAnswered(l104_1) && self >= l104_1)||(IsAnswered(l104_2)&& self >=l104_2)

M1 Please put the valid year or 9997 for "Do Not Know"

NUMERIC: INTEGER m102

SPECIAL VALUES

9997 [9997] Don't know

M103. What was the quantity of seed of used in the sample parcel - %sp_name% in the last 12 months?

NUMERIC: DECIMAL m103

SPECIAL VALUES

9997 [9997] Don't know
9998 [9998] Not applicable

M103u. Unit

E `IsAnswered(m103) && (m103 != 0 && m103 != 9997 && m103 != =9998)`

SINGLE-SELECT m103u

01 ○ Seed Pack (5 kg)
09 ○ Seed Pack (25 kg)
02 ○ Viss
03 ○ Sack
04 ○ Basket
05 ○ Pyi
06 ○ Can
07 ○ Kg
08 ○ Kyat
99 ○ Other specify

M103us. Please Specify the other unit

E `m103u == 99`

TEXT m103us

M103p. Per...

E `IsAnswered(m103)`

SINGLE-SELECT m103p

01 ○ Acre
02 ○ Total

M104. How many viss are there in a sack?

E `m103u== 3`
E1 `self <= 50`
M1 Please double check the number.

NUMERIC: DECIMAL m104

SPECIAL VALUES
9997 9997 - Do Not Know

M105. Where did you obtain this seed from?

SINGLE-SELECT m105

01 ○ agri-trader
02 ○ agri-input shop
03 ○ general store
04 ○ family/friend
05 ○ farm (saved from previous crop)
99 ○ Other (specify)

M105s. Please specify the other source of obtaining seed

E `m105==99`

TEXT m105s

M106.What was the price per unit of seed of %M1_crop%?

E `IsAnswered(m105) && m105 != 5 && m103u != 8`

NUMERIC: DECIMAL m106

SPECIAL VALUES
9997 [9997] Don't know
9998 [9998] Not applicable
9996 [9996] Seed is given as gift.

M106u. Unit of Price

E `IsAnswered(m106) && (m106 != 0 && m106!=9996 && m106!= 9997 && m106!=9998)`
E1 `(m106.InRange(1,5) && self == 2) || (m106>= 100 && self == 1 )`
M1 Please check the number again!

SINGLE-SELECT m106u

01 ○ Kyat
02 ○ Lakh Kyat

M106p. Per...

E IsAnswered(m106u)

SINGLE-SELECT m106p

01 ○ Seed Pack (5 kg)
09 ○ Seed Pack (25 kg)
02 ○ Viss
03 ○ Sack
04 ○ Basket
05 ○ Pyi
06 ○ Can
07 ○ Kg
08 ○ Total
99 ○ Other specify

M106ps. Please Specify the other unit

E m106p== 99

TEXT m106ps

M107. Which member of your household made this purchase?

E (m105== 1 || m105 == 2 || m105 == 3)

SINGLE-SELECT: LINKED m107

M108. Was %m105% a representative of CP company?

E m105.InList(1,2,3,4)

SINGLE-SELECT m108

01 ○ Yes
02 ○ No
97 ○ Do Not Know

M109. Did you pay for this %M1_crop% seed cash down, or did you receive it as in kind credit?

E m105!=5 && m106!=9996

SINGLE-SELECT m109

01 ○ Paid cash down
02 ○ Received as in kind credit

STATIC TEXT

E m109==1

In Cash

M110. Was the cash you paid with...

E m109==1

MULTI-SELECT m110

01 ☐ Saving from agriculture
02 ☐ Saving from other sources
03 ☐ Borrowed from agri-trader
04 ☐ Borrowed from other lender
05 ☐ Borrowed from NGO
99 ☐ Other (specify)

M110s. Please specify other ...

E m110.Contains(99)

TEXT m110s

M111. Was there any interest charged on this loan

E IsAnswered(m110) && !m110.ContainsAny(1,2)

SINGLE-SELECT m111

01 ○ Yes
02 ○ No
97 ○ Don't know

M112. What was the rate of interest in percentage?

E m111==1

NUMERIC: DECIMAL m112

M113. When did you take the loan?

E `IsAnswered(m110) && !m110.ContainsAny(1,2)`

SINGLE-SELECT m113

01 ○ May, 2018
02 ○ April, 2018
03 ○ March, 2018
04 ○ February, 2018
05 ○ January, 2018
06 ○ December, 2017
07 ○ November, 2017
08 ○ October, 2017
09 ○ September, 2017
10 ○ August, 2017
11 ○ July, 2017
12 ○ June, 2017
99 ○ Other (specify)

M113s. Please specify other...

I type Month and Year (Month, Year)
E `m113==99`

TEXT m113s

M114m. When did you repay this cash loan? Month

E `IsAnswered(m110) && !m110.ContainsAny(1,2)`

SINGLE-SELECT m114m

01 ○ January
02 ○ February
03 ○ March
04 ○ April
05 ○ May
06 ○ June
07 ○ July
08 ○ August
09 ○ September
10 ○ October
11 ○ November
12 ○ December
97 ○ Do Not Know
96 ○ Not Yet

M114y. When did you repay this cash loan? Year

E `IsAnswered(m110) && !m110.ContainsAny(1,2)`
E1 `self>2016 || self == 9997`
M1 Please enter a valid year.

NUMERIC: INTEGER m114y

SPECIAL VALUES
9997 [9997] Don't know

STATIC TEXT

E `m109==2`

In Kind

M115. Was there any interest charged on this in-kind loan?

E `m109==2`

SINGLE-SELECT m115

01 ○ Yes
02 ○ No
97 ○ Don't know

M116. What form did the interest take?

E m115==1

SINGLE-SELECT m116

01 ○ Kyat/sack Or Kyat/pack
02 ○ Kyat/total
03 ○ Kyat/Viss
04 ○ %/month
05 ○ %/year

M117. How much interest did you pay?

E m115==1

NUMERIC: DECIMAL m117

M118. When did you take the loan?

E m115==1

SINGLE-SELECT m118

01 ○ May, 2018
02 ○ April, 2018
03 ○ March, 2018
04 ○ February, 2018
05 ○ January, 2018
06 ○ December, 2017
07 ○ November, 2017
08 ○ October, 2017
09 ○ September, 2017
10 ○ August, 2017
11 ○ July, 2017
12 ○ June, 2017
99 ○ Other (specify)

M118s. Please specify other...

I type Month and Year (Month, Year)
E m118==99

TEXT m118s

M119m. When did you repay this in-kind loan? Month

E m115==1

SINGLE-SELECT m119m

01 ○ January
02 ○ February
03 ○ March
04 ○ April
05 ○ May
06 ○ June
07 ○ July
08 ○ August
09 ○ September
10 ○ October
11 ○ November
12 ○ December
97 ○ Do Not Know
96 ○ Not Yet

M119y. When did you repay this in-kind load? Year

E m115==1
E1 self>2016 || self == 9997
M1 Please enter a valid year...

NUMERIC: INTEGER m119y

SPECIAL VALUES
9997 [9997] Don't know

M120. Did taking this loan commit you to selling %M1_crop% to the loan provider?

E `m110.ContainsAny(3,4)|| m115==1`

SINGLE-SELECT m120

01 ○ Yes
02 ○ No
97 ○ Don't Know

M121. Did you sell %M1_crop% to the loan provider?

E `m110.ContainsAny(3,4) && m115==1`

SINGLE-SELECT m121

01 ○ Yes
02 ○ No

M122. Did you have to sell %M1_crop% more quickly than you would have preferred in order to repay this loan?

E `m110.ContainsAny(3,4) && m115==1`

SINGLE-SELECT m122

01 ○ Yes
02 ○ No

M123. Did you have to sell any land, animal, machine, gold, or other asset in order to repay this loan?

E `m110.ContainsAny(3,4) && m115==1`

SINGLE-SELECT m123

01 ○ Yes
02 ○ No

M124. What did you sell?

E `m123== 1`

SINGLE-SELECT m124

01 ○ Land
02 ○ Draft animal
03 ○ Pig/goat
04 ○ Chicken/duck
05 ○ Gold/jewelry
06 ○ TV/electircal appliance
99 ○ Other (specify)

M124s. Please Specify the other asset

E `m124== 99`

TEXT m124s

.....

M2. INPUTS

STATIC TEXT

NOTE: All questions in this module refer to the the sample parcel - %sp_name%

M200. Did you use the following inputs in the sample parcel - %sp_name% during the past 12 months?

MULTI-SELECT: YES/NO m200

01 ☐ / ☐ Compound (NPK)
02 ☐ / ☐ Urea
03 ☐ / ☐ T-super
04 ☐ / ☐ Potash
05 ☐ / ☐ Cow Manure
06 ☐ / ☐ Other Manure
07 ☐ / ☐ Pesticide 1
08 ☐ / ☐ Pesticide 2
09 ☐ / ☐ Herbicide 1
10 ☐ / ☐ Herbicide 2
11 ☐ / ☐ Fuel (for irrigation)
99 ☐ / ☐ Other (specify)

M200s. Specify other .....

E `m200.Yes.Contains(99)`

TEXT m200s

.....

Roster: INPUT

generated by multi-select question m200 — M2_r_monsoon_input

M201. What was the quantity of %M2_r_monsoon_input% used in the sample parcel - %sp_name% in the last 12 months?

NUMERIC: DECIMAL — m201

SPECIAL VALUES
9997 [9997] Don't know

M201u. Unit of input

E IsAnswered(m201) && m201!= 0 && m201!=9997

SINGLE-SELECT — m201u

- 01 Bag
- 02 Viss
- 03 Bottle
- 04 Can
- 05 Package
- 06 Gallon
- 07 Bucket
- 08 Cart or Trawlerji
- 09 Pyi
- 10 Basket
- 11 Kyat
- 12 Bottle Cap
- 13 Litre
- 99 Other (specify)

M201s. Specify other

E m201u==99

TEXT — m201s

M201p. Per

E IsAnswered(m201u)

SINGLE-SELECT — m201p

- 01 Acre
- 02 Total

M202. What was the price per %m201u% of %M2_r_monsoon_input% (excluding any interest charges that you may pay) ?

E m201u != 11

NUMERIC: DECIMAL — m202

SPECIAL VALUES
9997 [9997] Don't know
9998 [9998] Not applicable

M202u. What was the unit of money....

E IsAnswered(m202) && m202 != 0 && m202 != 9997 && m202 != 9998

E1 (m202.InRange(1,10) && self == 2) || (m202>=100 && self==1)

M1 Please check the number

SINGLE-SELECT — m202u

- 01 Kyat
- 02 Lakh Kyat

M203. Who did you obtain this input from?

SINGLE-SELECT — m203

- 01 Agri-trader
- 02 Agri-input shop
- 03 General store
- 04 Agent for fertilizer company
- 05 Family/friend
- 06 Own farm
- 99 Other Specify

M203s. Please specify the other

E m203 == 99

TEXT m203s

M205. Did you pay for this %M2_r_monsoon_input% cash down, or did you receive it as in kind credit?

E m203!=6 && (@rowcode==1 || @rowcode==2)

SINGLE-SELECT m205

01 ○ Paid cash down
02 ○ In kind- credit

STATIC TEXT

E m205==1

In Cash

M206. Was the cash you paid with...

E m205==1 && (@rowcode==1 || @rowcode==2)

MULTI-SELECT m206

01 ☐ Saving from agriculture
02 ☐ Saving from other sources
03 ☐ Borrowed from agri-trader
04 ☐ Borrowed from other lender
05 ☐ Borrowed from NGO
99 ☐ Other (specify)

M206s. Please specify other ...

E m206.Contains(99)

TEXT m206 1

M207. Was there any interest charged on this loan

E IsAnswered(m206) && !m206.ContainsAny(1,2)

SINGLE-SELECT m207

01 ○ Yes
02 ○ No
97 ○ DK

M208. What was the rate of interest in percentage?

E m207==1

NUMERIC: DECIMAL m208

M209. When did you take the loan?

E IsAnswered(m206) && !m206.ContainsAny(1,2)

SINGLE-SELECT m209

01 ○ May, 2018
02 ○ April, 2018
03 ○ March, 2018
04 ○ February, 2018
05 ○ January, 2018
06 ○ December, 2017
07 ○ November, 2017
08 ○ October, 2017
09 ○ September, 2017
10 ○ August, 2017
11 ○ July, 2017
12 ○ June, 2017
99 ○ Other (specify)

M209s. Please specify other...

I type Month and Year (Month, Year)
E m209==99

TEXT m209s

M210. When did you repay the loan?

E `IsAnswered(m206) && !m206.ContainsAny(1,2)`

SINGLE-SELECT m210

- 01 ○ May, 2018
- 02 ○ April, 2018
- 03 ○ March, 2018
- 04 ○ February, 2018
- 05 ○ January, 2018
- 06 ○ December, 2018
- 07 ○ November, 2018
- 08 ○ October, 2018
- 09 ○ September, 2018
- 10 ○ August, 2018
- 11 ○ July, 2018
- 12 ○ June, 2018
- 99 ○ Other (specify)

M210s. Please specify other...

I type Month and Year (Month, Year)

E `m210==99`

TEXT m210s

STATIC TEXT

E `m205==2`

In Kind

M211. Was there any interest charged on this in-kind loan?

E `m205==2 && (@rowcode==1 || @rowcode==2)`

SINGLE-SELECT m211

- 01 ○ Yes
- 02 ○ No
- 97 ○ Don't know

M212. What form did the interest take?

E `m211==1`

SINGLE-SELECT m212

- 01 ○ Kyat/item
- 02 ○ Kyat/total
- 03 ○ %/month
- 04 ○ %/year

M213. How much interest did you pay?

E `m211==1`

NUMERIC: DECIMAL m213

M214. When did you take this in-kind loan?

E `m211==1`

SINGLE-SELECT m214

- 01 ○ May, 2018
- 02 ○ April, 2018
- 03 ○ March, 2018
- 04 ○ February, 2018
- 05 ○ January, 2018
- 06 ○ December, 2017
- 07 ○ November, 2017
- 08 ○ October, 2017
- 09 ○ September, 2017
- 10 ○ August, 2017
- 11 ○ July, 2017
- 12 ○ June, 2017
- 99 ○ Other (specify)

M214s. Please specify other...

I type Month and Year (Month, Year)
E m214==99

TEXT m214s

M215m. When did you repay this in-kind loan? Month

E m211==1

SINGLE-SELECT m215m
01 ○ January
02 ○ February
03 ○ March
04 ○ April
05 ○ May
06 ○ June
07 ○ July
08 ○ August
09 ○ September
10 ○ October
11 ○ November
12 ○ December
97 ○ Do Not Know
96 ○ Not Yet

M215y. When did you repay this in-kind loan? Year

E m211 == 1
E1 self>2016 || self == 9997
M1 Please enter a valid year.

NUMERIC: INTEGER m215y

SPECIAL VALUES
9997 [9997] Don't know

M216. Did taking this loan commit you to selling Maize/Pigeon Pea to the loan provider?

E m206.ContainsAny(3,4)&& m211==1

SINGLE-SELECT m216
01 ○ Yes
02 ○ No
97 ○ Don't know

M217. Did you sell Maize/Pigeon Pea from the sample parcel - %sp_name% to the loan provider?

E m206.ContainsAny(3,4)&& m211==1

SINGLE-SELECT m217
01 ○ Yes
02 ○ No

M218. Did you have to sell Maize/Pigeon Pea more quickly than you would have preferred in order to repay this loan ?

E m206.ContainsAny(3,4) && m211==1

SINGLE-SELECT m218
01 ○ Yes
02 ○ No

M219. Did you have to sell any land, animal, machine, gold, or other asset in order to repay this loan?

E m206.ContainsAny(3,4) && m211==1

SINGLE-SELECT m219
01 ○ Yes
02 ○ No

M220. What did you sell?

E m219==1

SINGLE-SELECT m220
01 ○ Land
02 ○ Draft Animal
03 ○ Pig/Goat
04 ○ chicken/duck
05 ○ gold/ jewelry
06 ○ TV/ Electrical application
99 ○ Other(specify)

M220s. Please Specify other ....?	TEXT m220s
E m220==99	

M3. MACHINE, DRAFT ANIMAL AND LABOR

VARIABLE a201.Where(x=>x.Item1==1).First().Item2	STRING mem1
VARIABLE a201.Where(x=>x.Item1==2).First().Item2	STRING mem2
VARIABLE a201.Where(x=>x.Item1==3).First().Item2	STRING mem3
VARIABLE a201.Where(x=>x.Item1==4).First().Item2	STRING mem4
VARIABLE a201.Where(x=>x.Item1==5).First().Item2	STRING mem5
VARIABLE a201.Where(x=>x.Item1==6).First().Item2	STRING mem6
VARIABLE a201.Where(x=>x.Item1==7).First().Item2	STRING mem7
VARIABLE a201.Where(x=>x.Item1==8).First().Item2	STRING mem8
VARIABLE a201.Where(x=>x.Item1==9).First().Item2	STRING mem9
VARIABLE a201.Where(x=>x.Item1==10).First().Item2	STRING mem10

STATIC TEXT

NOTE: All questions in this module refer to MAIZE/PIGEON PEA cultivation in the sample parcel - %sp_name%, within the past 12 months. Please note that all questions in this module are not for other crops.

M3. MACHINE, DRAFT ANIMAL AND LABOR

Roster: TASKS FOR MACHINE, ANIMAL, AND LABOR ON SAMPLE PARCEL

generated by fixed list M3_r_tasks

01 LAND PREPARATION
02 PLANTING
03 FERTILIZER - PESTICIDE - HERBICIDE APPLICATION
04 WEEDING
05 HARVESTING AND DRYING MAIZE
06 THRESHING MAIZE
07 HARVESTING PIGEON PEA
08 DRYING/HUSKING/WINNOWING PIGEON PEA

E ((@rowcode==1 || @rowcode==2 || @rowcode==3 || @rowcode==4) && (m100.Yes.Contains(1) || m100.Yes.Contains(2))) || (@rowcode==5 && m100.Yes.Contains(1)) || (@rowcode==6 && m100.Yes.Contains(1)) || And 81 other symbols [3]

STATIC TEXT

E @rowcode ==2

PLANTING also includes making furrows, seeding, and basal fertilizer application performed for the planting activity

STATIC TEXT

E `@rowcode ==3`

Input application includes ALL fertilizer, herbicide, or pesitcide application EXCEPT BASAL FERTILIZER APPLICATION DURING PLANTING

M300.Did you perform %M3_r_tasks% on your sample parcel - %sp_name% for Maize and/or Pigeon pea in the past 12 months?

SINGLE-SELECT `m300`

01 ○ Yes
02 ○ No

M301. Did you use any machine for %M3_r_tasks%?

E `m300==1`

SINGLE-SELECT `m301`

01 ○ Yes
02 ○ No

M301m. Which machine did you use for %M3_r_tasks%?

F (@rowcode==1 && @optioncode!=3 && @optioncode!=4)|| (@rowcode == 2 && @optioncode !=4) || (@rowcode==3 && @optioncode!=4)|| (@rowcode==4 && @optioncode!=3 && @optioncode!=4) || (@rowcode==5 && @option And 152 other symbols [4]

E `m301==1`

MULTI-SELECT `m301m`

01 ☐ Two wheel tractor
02 ☐ Four wheel tractor
03 ☐ Power seeder
04 ☐ Thresher
99 ☐ Other (specify)

M301s. Please specify other machine type used for %M3_r_tasks%

E `m301m.Contains(99)`

TEXT `m301s`

M3. MACHINE, DRAFT ANIMAL AND LABOR / TASKS FOR MACHINE, ANIMAL, AND LABOR ON SAMPLE PARCEL

Roster: MACHINE

generated by multi-select question `m301m` `M3_r_machine`

E `!m301m.Contains(96)`

M302.For how long did you use %M3_r_machine% for %M3_r_tasks%during the last complete production cycle?

I 9997 - Don't Know

NUMERIC: DECIMAL `m302`

SPECIAL VALUES

9997 9997 - Do Not Know

M302u. Unit

E `(IsAnswered(m302) && m302 !=9997)`

SINGLE-SELECT `m302u`

01 ○ days
02 ○ times
03 ○ half-day
04 ○ hours
99 ○ Other (specify)
98 ○ NA

M302us. Please specify other unit...

E `m302u==99`

TEXT `m302us`

M303. What was the ownership of that %M3_r_machine%?

MULTI-SELECT `m303`

01 ☐ Rented
02 ☐ Own
03 ☐ Borrowed
04 ☐ Provided by trader at no cost
99 ☐ Other(Specify)

M303s. Please Specify other ownership

E m303.Contains(99)

TEXT m303s

M304. How much money did you spend on %M3_r_machine% during %M3_r_tasks% from the sample parcel - %sp_name% [including any costs of fuel, machine rental, and workers/operators provided by machine owner]?

I 9997 - Don't Know

NUMERIC: DECIMAL m304

SPECIAL VALUES
9997 9997 - Do Not Know

M304u. Unit of money spent

E IsAnswered(m304) && m304 != 9997 && m304 !=0

SINGLE-SELECT m304u
01 ○ Kyat
02 ○ Lakh

M304p. Per

E IsAnswered(m304) && m304 != 9997 && m304 !=0

SINGLE-SELECT m304p
01 ○ Total
02 ○ Day
03 ○ Time
04 ○ Half-day
05 ○ Hour
06 ○ Acre
07 ○ Basket
08 ○ Viss
09 ○ Sack
10 ○ Container
99 ○ Other

M304ps. Please Specify other amount per unit

E m304p == 99

TEXT m304ps

M304t. Total number of %m304p%

E m304p != 99 && m304p != 7 && m304p!=m302u && m304p != 1 && m304p !=1

NUMERIC: DECIMAL m304t

M304st. Total number of %m304ps%

E m304p == 99 && m304p != 7

NUMERIC: DECIMAL m304st

M305. Did the machine owner provide any workers/operators for %M3_r_machine% as part of the service?

E IsAnswered(m304) && m304 != 9997 && m303.ContainsAny(1,3)

SINGLE-SELECT m305
01 ○ Yes
02 ○ No

M310. Did you use Draft Animal for %M3_r_tasks%?

E m300==1

SINGLE-SELECT m310
01 ○ Yes
02 ○ No

M3. MACHINE, DRAFT ANIMAL AND LABOR / TASKS FOR MACHINE, ANIMAL, AND LABOR ON SAMPLE PARCEL

DRAFT ANIMAL

E m310==1

M311. How many pairs of draft animals were used for %M3_r_tasks% during cultivation of the sample parcel - %sp_name%?

NUMERIC: INTEGER m311

SPECIAL VALUES
9997 Don't know

M312. How long did you use draft animals for %M3_r_tasks% during cultivation of the sample parcel - %sp_name%?

I 9997 - Don't Know

NUMERIC: DECIMAL m312

SPECIAL VALUES
9997 9997 - Do Not Know

M312u. Unit

E `IsAnswered(m312) && m312!=9997`

SINGLE-SELECT m312u
01 ○ Day
02 ○ Number
03 ○ Half day
04 ○ Hour
99 ○ Other (Specify)
98 ○ NA

M312us. Please specify the other unit

E `m312u == 99`

TEXT m312us

M313. What was the ownership of these animals?

SINGLE-SELECT m313
01 ○ Rented
02 ○ Own
03 ○ Borrowed
99 ○ Other(Specify)

M313s. Please specify the other ownership

E `m313 == 99`

TEXT m313s

M314. How much money did you spend on rental costs of this service (including any labor) for %M3_r_tasks%?

E `m313 ==1`

NUMERIC: DECIMAL m314

SPECIAL VALUES
9997 9997 - Do Not Know

M314u. Unit

E `IsAnswered(m314) && m314!=9997`

SINGLE-SELECT m314u
01 ○ Kyat
02 ○ Lahk Kyat

M314p. Per

E `IsAnswered(m314) && m314!=9997`

SINGLE-SELECT m314p
01 ○ Day
02 ○ Number
03 ○ Half-day
04 ○ Hour
05 ○ Acre
06 ○ Basket
07 ○ Pair
08 ○ Total
99 ○ Other

M314ps. Please Specify other amount per unit

E m314p == 99

TEXT m314ps

M315. Total %m314p%

E IsAnswered(m314) && m314p!=99 && m314p != 8 && m314p!=m312u

NUMERIC: INTEGER m315

M315s. Total %m314ps%

E m315 ==99

NUMERIC: INTEGER m315s

M320. Did you use any casual hired labor for %M3_r_tasks% on parcel- %sp_name%?

E m300==1

SINGLE-SELECT m320

01 ○ Yes

02 ○ No

M3. MACHINE, DRAFT ANIMAL AND LABOR / TASKS FOR MACHINE, ANIMAL, AND LABOR ON SAMPLE PARCEL

CASUAL HIRED LABOR

E m320 == 1

M321. How many casual hired Male workers were used for %M3_r_tasks%?
No. of Persons

NUMERIC: INTEGER m321

SPECIAL VALUES

9997 9997 - Do Not Know

M321d. How long did they work on %M3_r_tasks%?

E m321 > 0 && m321 != 9997

NUMERIC: DECIMAL m321d

SPECIAL VALUES

9997 9997 - Do Not Know

M321u.Unit

E IsAnswered(m321d)

SINGLE-SELECT m321u

01 ○ Days

02 ○ Hours

M322. How many casual hired Female workers were used for %M3_r_tasks%?
No. of Persons

NUMERIC: INTEGER m322

SPECIAL VALUES

9997 9997 - Do Not Know

M322d. How long did they work on %M3_r_tasks%?

E m322 > 0 && m322 != 9997

NUMERIC: DECIMAL m322d

SPECIAL VALUES

9997 9997 - Do Not Know

M322u.Unit

E IsAnswered(m322d)

SINGLE-SELECT m322u

01 ○ Days

02 ○ Hours

M323. How many total workers (male and female) were used...?
No. of Persons

I Answer this question if the respondent can only remember the total number of workers. Put 9997 if the respondent doesn't Know

E `m321==9997 && m322==9997`

NUMERIC: INTEGER m323

SPECIAL VALUES
9997 9997 - Do Not Know

M323d. How long did they work on %M3_r_tasks%?

E `IsAnswered(m323) && m323 > 0 && m323 != 9997`

NUMERIC: DECIMAL m323d

SPECIAL VALUES
9997 9997 - Do Not Know

M323u.Unit

E `IsAnswered(m323d)`

SINGLE-SELECT m323u
01 ○ Days
02 ○ Hours

M324. Paid by...

SINGLE-SELECT m324
01 ○ Daily (Half Day/Full Day)
02 ○ Piece Rate

M325. Daily Rate for Male Worker for %M3_r_tasks%
Kyat/Day

E `m324==1 & m321!=0`
E1 `self >= 1000 && self <= 15000`
M1 The rate should be between 1000 && 15000.

NUMERIC: INTEGER m325

M326. Daily Rate for Female Worker for %M3_r_tasks%
Kyat/Day

E `m324==1 && m322!=0`
E1 `self >= 1000 && self <= 15000`
M1 The rate should be between 1000 and 15000.

NUMERIC: INTEGER m326

M327. Amount Paid in Piece Rate Unit - Kyat

I 9997 - Don't Know
E `m324==2`

NUMERIC: INTEGER m327

SPECIAL VALUES
9997 9997 - Do Not Know

M327p. Kyat Per...

E `m327 > 0 && m327 != 9997`

SINGLE-SELECT m327p
01 ○ Acre
02 ○ Basket
03 ○ Sack
04 ○ Bundle
05 ○ Total

M327t. Number of %m327p%

E `m327p !=5 && m327 > 0`

NUMERIC: INTEGER m327t

M328. Did you provide other in-kind payments to the workers doing %M3_r_tasks%?

SINGLE-SELECT m328
01 ○ Yes
02 ○ No

M330. What is the value of those in-kind payments?

I Please estimate if you don't know the exact number

E `m328==1`

NUMERIC: DECIMAL `m330`

M330u. Unit

E `IsAnswered(m330) && m330!=9997`

SINGLE-SELECT `m330u`

01 ○ Kyat
02 ○ Lahk Kyat

M330p. Per

E `m328==1 && m330!=9997`

SINGLE-SELECT `m330p`

01 ○ person
02 ○ Total
99 ○ Other (Specify)

M330ps. Please specify the other per unit.

E `m330p==99`

TEXT `m330ps`

.....

M331. Did household report labor for %M3_r_tasks% on a per acre basis or on the total area of the sample parcel?

SINGLE-SELECT `m331`

01 ○ Per Acre
02 ○ Total

M332.Did any member of your household do %M3_r_tasks% on the sample parcel?

E `m300 == 1`

SINGLE-SELECT `m332`

01 ○ Yes
02 ○ No

M333. Which Household member?

E `m332 == 1`

MULTI-SELECT: LINKED `m333`

M334. How long did Household %mem1% work on %M3_r_tasks%?

E `IsAnswered(m333) && m333.Contains(1)`

NUMERIC: DECIMAL `m334`

SPECIAL VALUES
9997 9997 - Do Not Know

M334u.Unit

E `IsAnswered(m334) && m334!=9997`

SINGLE-SELECT `m334u`

01 ○ Days
02 ○ Hours

M335. How long did Household %mem2% work on %M3_r_tasks%?

E `IsAnswered(m333) && m333.Contains(2)`

NUMERIC: DECIMAL `m335`

SPECIAL VALUES
9997 9997 - Do Not Know

M335u.Unit

E `IsAnswered(m335) && m335!=9997`

SINGLE-SELECT `m335u`

01 ○ Days
02 ○ Hours

M336. How long did Household %mem3% work on %M3_r_tasks%?

E `IsAnswered(m333) && m333.Contains(3)`

NUMERIC: DECIMAL `m336`

SPECIAL VALUES
9997 9997 - Do Not Know

M336u.Unit

E IsAnswered(m336) && m336!=9997

SINGLE-SELECT m336u

01 ○ Days
02 ○ Hours

M337. How long did Household %mem4% work on %M3_r_tasks%?

E IsAnswered(m333) && m333.Contains(4)

NUMERIC: DECIMAL m337

SPECIAL VALUES
9997 9997 - Do Not Know

M337u.Unit

E IsAnswered(m337) && m337!=9997

SINGLE-SELECT m337u

01 ○ Days
02 ○ Hours

M338. How long did Household %mem5% work on %M3_r_tasks%?

E IsAnswered(m333) && m333.Contains(5)

NUMERIC: DECIMAL m338

SPECIAL VALUES
9997 9997 - Do Not Know

M338u.Unit

E IsAnswered(m338) && m338!=9997

SINGLE-SELECT m338u

01 ○ Days
02 ○ Hours

M339. How long did Household %mem6% work on %M3_r_tasks%?

E IsAnswered(m333) && m333.Contains(6)

NUMERIC: DECIMAL m339

SPECIAL VALUES
9997 9997 - Do Not Know

M339u.Unit

E IsAnswered(m339) && m339!=9997

SINGLE-SELECT m339u

01 ○ Days
02 ○ Hours

M340. How long did Household %mem7% work on %M3_r_tasks%?

E IsAnswered(m333) && m333.Contains(7)

NUMERIC: DECIMAL m340

SPECIAL VALUES
9997 9997 - Do Not Know

M340u.Unit

E IsAnswered(m340) && m340!=9997

SINGLE-SELECT m340u

01 ○ Days
02 ○ Hours

M341. How long did Household %mem8% work on %M3_r_tasks%?

E IsAnswered(m333) && m333.Contains(8)

NUMERIC: DECIMAL m341

SPECIAL VALUES
9997 9997 - Do Not Know

M341u.Unit

E IsAnswered(m341) && m341!=9997

SINGLE-SELECT m341u

01 ○ Days
02 ○ Hours

M342. How long did Household %mem9% work on %M3_r_tasks%?

E `IsAnswered(m333) && m333.Contains(9)`

NUMERIC: DECIMAL `m342`

SPECIAL VALUES
9997 9997 - Do Not Know

M342u.Unit

E `IsAnswered(m342) && m342!=9997`

SINGLE-SELECT `m342u`
01 ○ Days
02 ○ Hours

M343. How long did Household %mem10% work on %M3_r_tasks%?

E `IsAnswered(m333) && m333.Contains(10)`

NUMERIC: DECIMAL `m343`

SPECIAL VALUES
9997 9997 - Do Not Know

M343u.Unit

E `IsAnswered(m343) && m343!=9997`

SINGLE-SELECT `m343u`
01 ○ Days
02 ○ Hours

M344. Did you use any exchange labor for %M3_r_tasks% on parcel- %sp_name%?

E `m300 == 1`

SINGLE-SELECT `m344`
01 ○ Yes
02 ○ No

M345. How many exchanged Male workers were used for %M3_r_tasks%?
No. of Persons

E `IsAnswered(m344) && m344 == 1`

NUMERIC: INTEGER `m345`

SPECIAL VALUES
9997 9997- Do Not Know

M345d. How long did they work on %M3_r_tasks%?

E `m345 > 0 && m345 != 9997`

NUMERIC: DECIMAL `m345d`

SPECIAL VALUES
9997 9997 - Do Not Know

M345u.Unit

E `IsAnswered(m345d) && m345d!=9997`

SINGLE-SELECT `m345u`
01 ○ Days
02 ○ Hours

M346. How many exchanged Female workers were used for %M3_r_tasks%?
No. of Persons

E `IsAnswered(m344) && m344 == 1`

NUMERIC: INTEGER `m346`

SPECIAL VALUES
9997 9997 - Do Not Know

M346d. How long did they work on %M3_r_tasks%?

E `m346 > 0 && m346 != 9997`

NUMERIC: DECIMAL `m346d`

SPECIAL VALUES
9997 9997 - Do Not Know

M346u.Unit

E `IsAnswered(m346d) && m346d!=9997`

SINGLE-SELECT `m346u`
01 ○ Days
02 ○ Hours

M347. How many exchanged workers were used for %M3_r_tasks%?
No. of Persons

E `m345 == 9997 && m346 == 9997`

NUMERIC: INTEGER `m347`

SPECIAL VALUES
9997 9997 - Do Not Know

M347d. How long did they work on %M3_r_tasks%?

E `m347 > 0 && m347 != 9997`

NUMERIC: DECIMAL `m347d`

SPECIAL VALUES
9997 9997 - Do Not Know

M347u.Unit

E `IsAnswered(m347d) && m347d!=9997`

SINGLE-SELECT `m347u`
01 ○ Days
02 ○ Hours

O1. SAMPLE PARCEL HISTORY

STATIC TEXT

The sample parcel - %sp_name% acquired was %sp_year%

O100. Is this correct?

SINGLE-SELECT `o100`
01 ○ Yes
02 ○ No

VARIABLE
`(l104_1!=9997)?("since "+l104_1):""`

STRING `since_maize`

O101. What was the yield of maize in 2012?
(In Viss)

E `l104_1<=2012`

NUMERIC: INTEGER `o101`

SPECIAL VALUES
9997 [9997] - Don't know
9998 [9998] - Not applicable

O101p. Per

E `IsAnswered(o101) && o101 != 9997 && o101 != 0 && o101 != 9998`

SINGLE-SELECT `o101p`
01 ○ Acre
02 ○ Total

O102. What was the main maize variety used on sample parcel - %sp_name% in 2012?

E o101!=9998 && l104_1<= 2012

SINGLE-SELECT o102

01 ○ CP 888
02 ○ CP 888 (3G)
03 ○ CP 888 (F)
04 ○ CP 808
05 ○ CP 301
06 ○ CP 201
07 ○ Golden Tiger 029
08 ○ Thai 333
09 ○ Thai Gold
10 ○ Super 981
11 ○ Armo 339
12 ○ Armo 288
13 ○ Armo 5005
14 ○ Awba (Syngenta) 621
15 ○ SC 709
16 ○ GT 722

And 6 other symbols [18]

O102s. Please specify other...

E o102==99

TEXT o102s

O103. What was the yield of maize in 2007? In Viss

E l104_1<=2007

NUMERIC: INTEGER o103

SPECIAL VALUES
9997 [9997] - Don't know
9998 [9998] - Not applicable

O103p. Per

E IsAnswered(o103) && o103 != 9997 && o103 != 0 && o103 != 9998

SINGLE-SELECT o103p

01 ○ Acre
02 ○ Total

O104. What was the main maize variety used on sample parcel - %sp_name% in 2007?

E o103!=9998 && l104_1 <= 2007

SINGLE-SELECT o104

01 ○ CP 888
02 ○ CP 888 (3G)
03 ○ CP 888 (F)
04 ○ CP 808
05 ○ CP 301
06 ○ CP 201
07 ○ Golden Tiger 029
08 ○ Thai 333
09 ○ Thai Gold
10 ○ Super 981
11 ○ Armo 339
12 ○ Armo 288
13 ○ Armo 5005
14 ○ Awba (Syngenta) 621
15 ○ SC 709
16 ○ GT 722

And 6 other symbols [19]

O104s. Please specify other...

E o104==99

TEXT o104s

O105. When did you first use compound on the sample parcel - %sp_name% (any crop)?

E1 $Year

M1 Please check again...

NUMERIC: INTEGER o105

SPECIAL VALUES

9997 [9997] - You used but Don't Know t he year

9998 [9998] - Not Applicable (Never used)

O106. How many bags of compound did you use on parcel- %sp_name% in 2012?

E (o105<=2012 || o105==9997) && o105!=9998

NUMERIC: DECIMAL o106

SPECIAL VALUES

9997 [9997] - You used it but Don't know the amount of bags of compound

9998 [9998] - Not applicable (Never used)

O106p. Per

E IsAnswered(o106) && o106 != 0 && o106!= 9997

SINGLE-SELECT o106p

01 ○ Acre

02 ○ Total

O107. How many bags of compound did you use on parcel- %sp_name% in 2007?

E (o105<=2007 || o105==9997) && o105!=9998

NUMERIC: DECIMAL o107

SPECIAL VALUES

9997 [9997] - You used it but Don't know the amount of bags of compound

9998 [9998] - Not applicable (Never used)

O107p. Per

E IsAnswered(o107) && o107 != 0 && o107!= 9997

SINGLE-SELECT o107p

01 ○ Acre

02 ○ Total

O108. When did you first use urea on the sample parcel - %sp_name% (any crop)?

E1 $Year

M1 Please check again...

NUMERIC: INTEGER o108

SPECIAL VALUES

9997 [9997] - You used it but Don't know the year

9998 [9998] - Not applicable (Never used)

O109. How many bags of urea did you use on parcel- %sp_name%e in 2012?

E (o108<=2012 || o108==9997) && o108!=9998

NUMERIC: DECIMAL o109

SPECIAL VALUES

9997 [9997] - You used it but Don't know the amount of bags of compound

9998 [9998] - Not applicable (Never used)

O109u. Per

E IsAnswered(o109) && o109 != 0 && o109!= 9997

SINGLE-SELECT o109u

01 ○ Acre

02 ○ Total

O110. How many bags of urea did you use on parcel- %sp_name% in 2007?

E (o108<=2007 || o108==9997) && o108!=9998

NUMERIC: DECIMAL o110

SPECIAL VALUES
9997 [9997] - You used it but Don't know the amount of bags of compound
9998 [9998] - Not applicable (Never used)

O110u. Per

E IsAnswered(o110) && o110 != 0 && o110!= 9997

SINGLE-SELECT o110u
01 ○ Acre
02 ○ Total

O111. Have you ever applied manure in the sample parcel - %sp_name% (any crop)?

SINGLE-SELECT o111
01 ○ Yes
02 ○ No

O112. Are you still using manure in the sample parcel - %sp_name%?

E o111==1

SINGLE-SELECT o112
01 ○ Yes
02 ○ No

O113. What year did you stop applying manure?

E o112==2
E1 $Year
M1 Please check again...

NUMERIC: INTEGER o113

SPECIAL VALUES
9997 [9997] - You stopped applying manure but Don't know the year
9998 [9998] - Not applicable (Never stopped applying manure)

O114. Have you ever used pesticide on the sample parcel - %sp_name% (any crop)?

SINGLE-SELECT o114
01 ○ Yes
02 ○ No

O115. When did you first use pesticide on the sample parcel - %sp_name% (any crop)?

E o114==1
E1 $Year
M1 Please check again...

NUMERIC: INTEGER o115

SPECIAL VALUES
9997 [9997] - You used it but Don't know the year
9998 [9998] - Not applicable (Never used)

O116. Have you ever used herbicide on the sample parcel - %sp_name% (any crop)?

SINGLE-SELECT o116
01 ○ Yes
02 ○ No

O117. When did you first use herbicide on the sample parcel - %sp_name% (any crop)?

E o116==1
E1 $Year
M1 Please check again...

NUMERIC: INTEGER o117

SPECIAL VALUES
9997 [9997] - You used it but Don't know the year
9998 [9998] - Not applicable (Never used)

O118. Did you grow any crops in the sample parcel - %sp_name% before growing maize in %l104_1%?

E `sp_year < l104_1`

SINGLE-SELECT o118

01 ○ Yes
02 ○ No

O119. Which crops did you plant in the sample parcel - %sp_name% between the time you aquired the parcel (%sp_year%) and the first year you planted maize(%l104_1%)?

E `o118==1`

MULTI-SELECT o119

01 ☐ Pigeon Pea
02 ☐ Soy
03 ☐ Sugar cane
04 ☐ Upland rice
05 ☐ Lowland rice
06 ☐ Swidden rice
07 ☐ Groundnut
08 ☐ Sesame
09 ☐ Cheroot
10 ☐ Tobacco
99 ☐ Other (specify)

O119s. What was the other crop?

E `o119.Contains(99)`

TEXT o119s

O1. SAMPLE PARCEL HISTORY

Roster: CROPS

generated by multi-select question o119

O1_crop_sp

O120. In which year did you start growing %O1_crop_sp% in the sample parcel - %sp_name%?

E1 `$Year`
M1 Please check again...

NUMERIC: INTEGER o120

SPECIAL VALUES
9997 [9997] - Don't know

O121. When was the last year you grew %O1_crop_sp% in the sample parcel - %sp_name%?

E1 `$Year`
M1 Please check again...

NUMERIC: INTEGER o121

SPECIAL VALUES
9997 [9997] - Don't know

O122. What was the main reason for growing %O1_crop_sp% in the sample parcel - %sp_name%?

E `@rowcode!=1`

SINGLE-SELECT o122

01 ○ Subsistence
02 ○ Sale
03 ○ Both

O123. Are you still growing %O1_crop_sp% in the sample parcel - %sp_name%?

E `o121 == 2017 || o121==2018`

SINGLE-SELECT o123

01 ○ Yes
02 ○ No

O124. Why did you stop growing %O1_crop_sp% in the sample parcel - %sp_name%?

E o123==2

MULTI-SELECT o124

- 01 ☐ Low market price
- 02 ☐ Other crop more profitable
- 03 ☐ Insufficient labor
- 04 ☐ Lost of land
- 05 ☐ Changing climate conditions
- 06 ☐ Pressure from authorities
- 07 ☐ Unable to access credit for inputs
- 08 ☐ Declining yields
- 09 ☐ Disease or pests
- 10 ☐ Erosion
- 11 ☐ Crop destroys the soil
- 99 ☐ Other (specify)

O124s. Please specify other...

E o124.Contains(99)

TEXT o124s

O125. Did you ever borrow (in cash or in kind) to fund production of %O1_crop_sp% in the sample parcel - %sp_name%?

SINGLE-SELECT o125

- 01 ○ Yes
- 02 ○ No

O126. Did borrowing to fund production of %O1_crop_sp% in the sample parcel - %sp_name% commit you to selling to the lender?

E o125==1

SINGLE-SELECT o126

- 01 ○ Yes
- 02 ○ No

Q1. MAIZE HISTORY

Q100. Have you ever had a contract with CP company to grow maize?

SINGLE-SELECT q100

- 01 ○ Yes
- 02 ○ No

Q101. What was the most recent year in which you had a contract with CP?

E q100==1
E1 self.InRange(1990,2018) || self==9997
M1 Please check the year again.

NUMERIC: INTEGER q101

Q102. How many years during past 10 years did you grow maize?

E1 self<=10
M1 The number should not be more than 10.

NUMERIC: INTEGER q102

Q102_1. How many times in that %q102% did you make profit?

E q102>0
E1 self<=q102 || self==9997
M1 This number should not exceed the number of years that the respondent grew Maize in the past 10 years.

NUMERIC: INTEGER q102_1

Q102_2. How many times in that %q102% did you break even?

NUMERIC: INTEGER q102_2

E q102>0

E1 self<=q102 || self==9997

M1 This number should not exceed the number of years that the respondent grew Maize in the past 10 years.

Q102_3. How many times in that %q102% did you loss money?

NUMERIC: INTEGER q102_3

E q102>0

E1 self<=q102 || self==9997

M1 This number should not exceed the number of years that the respondent grew Maize in the past 10 years.

STATIC TEXT

E q102 != (q102_1+q102_2+q102_3)

Error!!!
The times(years) you grew maize must be equal to the sum of the times you make profit, break even and loss money.

A3. HOUSING CHARACTERISTICS

STATIC TEXT

This is the household of %a011%. The household ID is %hhid%..

A301. Type of dwelling

SINGLE-SELECT a301

- 01 ○ Condominium/ Flat/ Apartment
- 02 ○ Brick house
- 03 ○ Mixed with brick and wood
- 04 ○ Wooden house
- 05 ○ Bamboo house
- 06 ○ Hut with post life 2-3 years
- 07 ○ Hut with post life 1 year
- 99 ○ Other (specify)

A301s. Please Specify other type of dwelling

TEXT a301s

E a301 == 99

A302. Major construction material of (outer) walls of the dwelling

SINGLE-SELECT a302

- 01 ○ Thatch/ large leaves/ Palm/ dhani
- 02 ○ Bamboo
- 03 ○ Rudimentary wood
- 04 ○ Unbaked brick and mud
- 05 ○ Baked brick and cement
- 06 ○ Pucca cement
- 07 ○ Finished wood
- 08 ○ Tarpaulin
- 99 ○ Other (specify)

A302s. Please Specify other construction material of wall

TEXT a302s

E a302 == 99

A303. Major construction material of the ground floor of the dwelling

SINGLE-SELECT a303

- 01 ○ Earth/ sand
- 02 ○ Wood planks
- 03 ○ Palm/ Bamboo
- 04 ○ Combination earth & wood/ palm/ bamboo
- 05 ○ Parquet or polished wood
- 06 ○ Tongue and groove wood
- 07 ○ Cement
- 08 ○ Wood with covering
- 09 ○ Cement with covering
- 10 ○ Combination cement/ finished wood and other
- 99 ○ Other (Specify)

A303s. Please Specify other construction material of floor

E a303 == 99

TEXT a303s

A304. Major construction material of the roof of the dwelling

SINGLE-SELECT a304

- 0001 ○ Thatch/ large leaves/ Palm/ dhani
- 0002 ○ Bamboo
- 0003 ○ Tin pieces
- 0004 ○ Tiles
- 0005 ○ Corrugated metal
- 0006 ○ Wooden shingles
- 0007 ○ Cement
- 0008 ○ Tarpaulin
- 9997 ○ Don't know
- 0099 ○ Other (specify)

A304s. Please Specify other construction material of roof

E a304 == 99

TEXT a304s

A305. How many rooms does your household occupy (INCLUDE bedrooms, living rooms, rooms used for business; EXCLUDE toilets, kitchens, balconies, corridors)

NUMERIC: INTEGER a305

A306. How many floors does the household have?

NUMERIC: INTEGER a306

A307. Do you have access to electricity of any kind (including Solar Energy)?

SINGLE-SELECT a307

- 01 ○ Yes
- 02 ○ No

A308. In which year did you first have access to electricity?

E a307 == 1

E1 self.InRange(1900,2018) || self == 9996 || self==9997

M1 Please put the valid year...

NUMERIC: INTEGER a308

SPECIAL VALUES

- 9996 More than one generation
- 9997 Don't know

A309. What is your main source of electricity? E a307==1	SINGLE-SELECT a309 01 ○ Public electricity 02 ○ Community transformer or generator 03 ○ Private transformer or generator 04 ○ Community hydropower 05 ○ Private hydropower 06 ○ Own generator / dynamo 07 ○ Battery / inverter 08 ○ Solar energy 99 ○ Other (specify)
A309s. Specify other source of electricity E a309==99	TEXT a309s .....
A310. What is the main source of fuel for cooking rice?	SINGLE-SELECT a310 01 ○ Firewood 02 ○ Charcoal/firewood substitute 03 ○ Electricity 04 ○ Gas 05 ○ Kerosene/ diesel 06 ○ Charcoal 99 ○ Other (specify)
A310s. Please specify other source of fuel for cooking rice... E a310==99	TEXT a310s .....
A311. What type of stove is used most often for cooking food in the household?	SINGLE-SELECT a311 01 ○ Open fire 02 ○ Open stove 03 ○ Rice husk stove 04 ○ Traditional closed stove 05 ○ A1-improved stove 06 ○ Other improved stove 07 ○ Stove using electricity/gas/kerosene/biofuel 99 ○ Other (specify)
A311s Please specify other type of stove E a311==99	TEXT a311s .....

A312. What is the main source of water used by your household for drinking ?

SINGLE-SELECT a312

- 01 ○ Private tap water
- 02 ○ Public tap/stand pipe
- 03 ○ Tube well, borehole
- 04 ○ Protected hand dug well (with fence or lid)
- 05 ○ Protected spring/pond (with fence) or rainwater (with lid)
- 06 ○ Commercial bottled drinking water
- 07 ○ Water delivered by any mean (e.g. car, truck, cart, etc)
- 08 ○ Unprotected hand dug well (no fence nor lid)
- 09 ○ Unprotected spring/pond (no fence) or rainwater (no lid)
- 10 ○ River/ stream
- 11 ○ Lake/ dam
- 99 ○ Other (specify)

A312s. Please Specify other main source of water for drinking ...

E `a312 == 99`

TEXT a312s

A313. Where was this located...?

E `a312!=6 && a312!=7 && a312!=10 && a312!=11`

SINGLE-SELECT a313

- 01 ○ Inside your compund
- 02 ○ Outside your compound

A314. How much time is spent each day by your hh member to fetch at this time of the year....? In Minutes

E `a312!=7 && a312!=6 && a313==2`

TEXT a314

A315. What type of toilet facility is used by the household?

MULTI-SELECT: ORDERED a315

- 01 ☐ Flush toilet connected to sewage system or septic tank
- 02 ☐ Pour flush toilet with water seal
- 03 ☐ Covered pit latrine
- 04 ☐ Open pit latrine
- 05 ☐ Bucket/ Pan latrine
- 06 ☐ Surface latrine/ hanging latrine
- 07 ☐ None (bush, field, river or stream)
- 97 ☐ Don't know
- 99 ☐ Other (Specify)

A315s. Please specify other type of toilet facility

E `a315.Contains(99)`

TEXT a315s

A316. Is this toilet facility shared with other households?

E `a315.ContainsAny(1,2,3,4,5,6)`

SINGLE-SELECT a316

- 01 ○ Yes
- 02 ○ No

A317. Is this dwelling owned by a member of your household?

SINGLE-SELECT a317

- 01 ○ Yes
- 02 ○ No

A318. What kind of document do you have for the ownership of this dwelling?

E a317==1

SINGLE-SELECT a318

0001 ○ Ancestral
0002 ○ Grant-land
0003 ○ Living permit to land/ dwelling
0004 ○ Buying/ selling agreement of dwelling
0005 ○ None/ No document
9997 ○ [9997] Don't Know
0099 ○ Other (specify)

A318s. Specify other document for the ownership of this dwelling...?

E a318==99

TEXT a318s

A319. When was the dwelling first constructed?

E1 (self>1900 && self<=2018) || self==9997
M1 Please check again...

NUMERIC: INTEGER a319

SPECIAL VALUES
9997 [9997] - Don't know

A320. Was the dwelling ever renovated after construction?

SINGLE-SELECT a320

0001 ○ Yes
0002 ○ No
9997 ○ [9997] Don't know

A321. When was the dwelling most recently renovated?

E a320==1
E1 self.InRange(1900,2018)||self==9997
M1 please verify again...

NUMERIC: INTEGER a321

SPECIAL VALUES
9997 [9997] Don't know

A322. Which source of money was used to finance the most recent construction or renovation of the dwelling?
Rank in order of the amount of the money

MULTI-SELECT: ORDERED a322

01 ☐ Income from non-farm employment
02 ☐ Income from agricultural labor
03 ☐ Remittances/savings from migration
04 ☐ Income from maize farming
05 ☐ Income from non-maize farming
06 ☐ Loan from a friend / relative
07 ☐ Loan from a moneylender
08 ☐ Loan from a MFI or cooperative
09 ☐ Loan from a bank
10 ☐ No cost/Not Applicable
99 ☐ Other (specify)

A322s. Please specify other source of money for construction or renovation of the dwelling

E a322.Contains(99)

TEXT a322s

A323. Does your household have the following in the home?

MULTI-SELECT: YES/NO a323

01 ☐ / ☐ Cupboard
02 ☐ / ☐ Food storage cabinet
03 ☐ / ☐ TV of any kind

B. HOUSEHOLD HEAD AND SPOUSE'S PERSONAL HISTORY

B. HOUSEHOLD HEAD AND SPOUSE'S PERSONAL HISTORY
%HEAD%

STATIC TEXT

%head%'s Father/Guardian

B101_1. Is %head%'s Father/Guardian still alive?	SINGLE-SELECT b101 1 0001 ○ Yes 0002 ○ No 9997 ○ Don't know
B102_1. What is/was the primary occupation of %head%'s father/guardian while economically active?	SINGLE-SELECT b102 1 01 ○ Agricultural farmer 02 ○ Agricultural laborer 03 ○ Non-agricultural laborer 04 ○ Craftsman (eg. painter, carpenter) 05 ○ Professional or government job 06 ○ Trader 07 ○ Salaried (non-farm) 08 ○ Self employed (non-farm) 09 ○ Student 10 ○ Home maker 11 ○ Dependent 12 ○ Retired 13 ○ Unemployed but seeking work 14 ○ Natural resource extraction 97 ○ Don't know 99 ○ Other (specify)
B102_1s. Please specify other main occupation of father of head E b102_1==99	TEXT b102_1s .....

B103_1. What is/was the highest level of formal education completed by %head%'s father?

SINGLE-SELECT b103_1

- 0000 ○ Kinder
- 0001 ○ Standard 1
- 0002 ○ Standard 2
- 0003 ○ Standard 3
- 0004 ○ Standard 4
- 0005 ○ Standard 5
- 0006 ○ Standard 6
- 0007 ○ Standard 7
- 0008 ○ Standard 8
- 0009 ○ Standard 9
- 0010 ○ Standard 10
- 0011 ○ Undergraduate
- 0012 ○ Bachelor degree
- 0013 ○ Post graduate degree
- 0066 ○ Other non-gov education (Monastic education, etc.,)
- 0096 ○ Never attended school

And 1 other symbols [20]

STATIC TEXT

%head%'s Mother/Guardian

B101_2. Is %head%'s Mother/Guardian still alive?

SINGLE-SELECT b101_2

- 0001 ○ Yes
- 0002 ○ No
- 9997 ○ Don't know

B102_2. What is/was the primary occupation of %head%'s Mother/guardian while economically active?

SINGLE-SELECT b102_2

- 01 ○ Agricultural farmer
- 02 ○ Agricultural laborer
- 03 ○ Non-agricultural laborer
- 04 ○ Craftsman
- 05 ○ Professional or government job
- 06 ○ Trader
- 07 ○ Salaried (non-farm)
- 08 ○ Self employed (non-farm)
- 09 ○ Student
- 10 ○ Home maker
- 11 ○ Dependent
- 12 ○ Retired
- 13 ○ Unemployed but seeking work
- 14 ○ Natural resource extraction
- 97 ○ Don't know
- 99 ○ Other (specify)

B102_2s. Please specify other occupation of head's mother

E b102_2==99

TEXT b102_2s

B103_2. What is/was the highest level of formal education completed by %head%'s mother/guardian ?

SINGLE-SELECT b103_2

0000 ○ Kinder
0001 ○ Standard 1
0002 ○ Standard 2
0003 ○ Standard 3
0004 ○ Standard 4
0005 ○ Standard 5
0006 ○ Standard 6
0007 ○ Standard 7
0008 ○ Standard 8
0009 ○ Standard 9
0010 ○ Standard 10
0011 ○ Undergraduate
0012 ○ Bachelor degree
0013 ○ Post graduate degree
0066 ○ Other non-gov education (Monastic education, etc.,)
0096 ○ Never attended school

And 1 other symbols [21]

STATIC TEXT

%head%, Household Head

B104_1. How many MALE siblings does %head% have?

NUMERIC: INTEGER b104_1

SPECIAL VALUES
9997 Don't know

B105_1. How many FEMALE siblings does %head% have?

NUMERIC: INTEGER b105_1

SPECIAL VALUES
9997 Don't know

B106_1. Was %head% born in this village?

SINGLE-SELECT b106_1

0001 ○ Yes
0002 ○ No
9997 ○ Don't know

B107_1. Where was %head% born?

E b106_1==2

SINGLE-SELECT b107_1

01 ○ Other village in this township
02 ○ In other township in Shan State
03 ○ In other State of Myanmar
04 ○ Other Country

B108_1. How much agricultural land is/was owned (excluding any land used for Taungya) by %head%'s father/mother during their time?

NUMERIC: DECIMAL b108_1

SPECIAL VALUES
0000 [0] None
9997 [9997] Don't know

B108_1u. Unit of agricultural land owned by head's parents

E `b108_1!=9997 && b108_1!=0`

SINGLE-SELECT b108_1u

01 ○ Acre
02 ○ Feet Square
03 ○ Taung Square
99 ○ Other (specify)

B108_1us. Please specify other unit of agricultural land...

E `b108_1u==99`

TEXT b108_1us

B109_1. Have these lands been bequeathed among %head%'s siblings?

E `b108_1>0 && b108_1!=9997`

SINGLE-SELECT b109_1

01 ○ Yes
02 ○ No

B110_1. How much of these lands has %head% inherited from father or mother?

E `b109_1==1`

NUMERIC: DECIMAL b110_1

SPECIAL VALUES
9997 [9997] Don't know

B110_1u. Unit of land inherited from head's parents

E `IsAnswered(b110_1) && b110_1!=0 && b110_1!=9997`

SINGLE-SELECT b110_1u

01 ○ Acre
02 ○ Feet Square
03 ○ Taung Square
99 ○ Other (specify)

B110_1us. Please specify other unit ...

E `b110_1u==99`

TEXT b110_1us

B111_1. Did %head%'s parents engage in shifting cultivation (Taungya)?

SINGLE-SELECT b111_1

0001 ○ Yes
0002 ○ No
9997 ○ Don't know

B. HOUSEHOLD HEAD AND SPOUSE'S PERSONAL HISTORY

%HEAD%'S SPOUSE

E `a202==2`

STATIC TEXT

%head%'s spouse 's Father/Guardian

B101_3. Is household %head%'s spouse's Father/Guardian still alive?

SINGLE-SELECT b101_3

0001 ○ Yes
0002 ○ No
9997 ○ Don't know

B102_3. What is/was the primary occupation of the %head%'s spouse Father/guardian while economically active?

SINGLE-SELECT b102_3

- 0001 ○ Agricultural farmer
- 0002 ○ Agricultural laborer
- 0003 ○ Non-agricultural laborer
- 0004 ○ Craftsman(eg. painter or carpenter)
- 0005 ○ Professional or government job
- 0006 ○ Trader
- 0007 ○ Salaried (non-farm)
- 0008 ○ Self employed (non-farm)
- 0009 ○ Student
- 0010 ○ Home maker
- 0011 ○ Dependent
- 0012 ○ Retired
- 0013 ○ Unemployed but seeking work
- 0014 ○ Natural resource extraction
- 9997 ○ Don't know
- 0099 ○ Other (specify)

B102_3s. Please specify other occupation of%head%'s spouse's father/guardian

E b102_3==99

TEXT b102_3s

.....

B103_3. What is/was the highest level of formal education completed by the %head%'s spouse's father/guardian..

SINGLE-SELECT b103_3

- 0000 ○ Kinder
- 0001 ○ Standard 1
- 0002 ○ Standard 2
- 0003 ○ Standard 3
- 0004 ○ Standard 4
- 0005 ○ Standard 5
- 0006 ○ Standard 6
- 0007 ○ Standard 7
- 0008 ○ Standard 8
- 0009 ○ Standard 9
- 0010 ○ Standard 10
- 0011 ○ Undergraduate
- 0012 ○ Bachelor degree
- 0013 ○ Post graduate degree
- 0066 ○ Other non-gov education (Monastic education, etc.,)
- 0096 ○ Never attended school

And 1 other symbols [22]

STATIC TEXT

%head%'s Spouse's Mother/Guardian

B101_4. Is household %head%'s spouse's Mother/Guardian still alive?

SINGLE-SELECT b101_4

- 0001 ○ Yes
- 0002 ○ No
- 9997 ○ Don't know

B102_4. What is/was the primary occupation of the %head%'s spouse's Mother/guardian while economically active?

SINGLE-SELECT b102_4

- 0001 ○ Agricultural farmer
- 0002 ○ Agricultural laborer
- 0003 ○ Non-agricultural laborer
- 0004 ○ Craftsman
- 0005 ○ Professional or government job
- 0006 ○ Trader
- 0007 ○ Salaried (non-farm)
- 0008 ○ Self employed (non-farm)
- 0009 ○ Student
- 0010 ○ Home maker
- 0011 ○ Dependent
- 0012 ○ Retired
- 0013 ○ Unemployed but seeking work
- 0014 ○ Natural resource extraction
- 9997 ○ Don't know
- 0099 ○ Other (specify)

B102_4s. Please specify other...

E b102_4==99

TEXT b102_4s

B103_4. What is/was the highest level of formal education completed by %head%'s spouse's mother/guardian

SINGLE-SELECT b103_4

- 0000 ○ Kinder
- 0001 ○ Standard 1
- 0002 ○ Standard 2
- 0003 ○ Standard 3
- 0004 ○ Standard 4
- 0005 ○ Standard 5
- 0006 ○ Standard 6
- 0007 ○ Standard 7
- 0008 ○ Standard 8
- 0009 ○ Standard 9
- 0010 ○ Standard 10
- 0011 ○ Undergraduate
- 0012 ○ Bachelor degree
- 0013 ○ Post graduate degree
- 0066 ○ Other non-gov education (Monastic education, etc.,)
- 0096 ○ Never attended school

And 1 other symbols [23]

STATIC TEXT

%head%'s Spouse

B104_2. How many MALE siblings does the %head%'s spouse have?

NUMERIC: INTEGER b104_2

SPECIAL VALUES

- 9997 Don't know

B105_2. How many FEMALE siblings does the %head%'s spouse have?

NUMERIC: INTEGER b105_2

SPECIAL VALUES
9997 Don't know

B106_2. Was the %head%'s spouse born in this village?

SINGLE-SELECT b106_2
0001 ○ Yes
0002 ○ No
9997 ○ Don't know

B107_2. Where was the %head%'s spouse born?

E b106_2==2

SINGLE-SELECT b107_2
01 ○ Other village in this township
02 ○ In other township in Shan State
03 ○ In other State of Myanmar
04 ○ Other Country

B108_2. How much agricultural land is/was owned (excluding any land used for Taungya) by the %head%'s spouse's parents during their time?

NUMERIC: DECIMAL b108_2

SPECIAL VALUES
0000 [0] None
9997 [9997] Don't know

B108_2u. Unit of agric land owned by %head%'s spouse's parents....

E b108_2!=9997 && b108_2!=0

SINGLE-SELECT b108_2u
01 ○ Acre
02 ○ Feet Square
03 ○ Taung Square
99 ○ Other (specify)

B108_2us. Please specify other unit of agric land owned by %head%'s spouse's parents.....

E b108_2u==99

TEXT b108_2us

B109_2. Have these lands been bequeathed among the %head%'s spouse's siblings?

E b108_2>0 && b108_2!=97 && b108_2!=9997

SINGLE-SELECT b109_2
01 ○ Yes
02 ○ No

B110_2. How much of these lands did the %head%'s spouse's inherit from father or mother?

E b109_2==1

NUMERIC: DECIMAL b110_2

SPECIAL VALUES
9997 Don't know

B110_2u. Unit

E IsAnswered(b110_2) && b110_2>0 && b110_2!=9997

SINGLE-SELECT b110_2u
01 ○ Acre
02 ○ Feet Square
03 ○ Taung Square
99 ○ Other (specify)

B110_2us. Please specify other unit ...

E b110_2u==99

TEXT b110_2us

B111_2. Did %head%'s spouse's parents engage in shifting cultivation (Taungya) ?

SINGLE-SELECT b111_2

0001 ○ Yes
0002 ○ No
9997 ○ Don't know

I3. SHIFTING CULTIVATION

STATIC TEXT

Shifting cultivation is a form of agriculture in which land (often forest in hilly areas) is clear by cutting and burning. Crops are planted on the newly cleared land for 2-3 years until the field becomes less productive or too weedy. When this happens, the field is fallowed and allowed to become forest again. In the future, when the forest has grown back, it may be cleared for cultivation again.

I300. Has your household ever practiced Taungya (shifting cultivation)?

SINGLE-SELECT i300

01 ○ Yes
02 ○ No

I3. SHIFTING CULTIVATION

PRACTICED TAUNGYA

E i300 == 1

I301. Does your household currently practice Taungya?

SINGLE-SELECT i301

01 ○ Yes
02 ○ No

I302. When did you household stop practising Taungya?

E i301==2
E1 $Year
M1 Check again...

NUMERIC: INTEGER i302

SPECIAL VALUES
9997 [9997] Don't know

I303. What was the main reason your household stopped practising Taungya?

E i301 == 2

SINGLE-SELECT i303

01 ○ Not possible to access more forest land
02 ○ Insufficient labor
03 ○ Sedantary cultivation more profitable/easier
04 ○ Prevented from doing by authorities
05 ○ Insufficient rainfall to grow crops
06 ○ Unable to control weeds
07 ○ Hard to reach there
08 ○ Sold out/ gave to sb
99 ○ Other (specify)

I303s. Please specify other reason

E i303==99

TEXT i303s

I304. What happened to the last Tauyngya plot your HH farmed?

E `i301 == 2`

MULTI-SELECT `i304`

01 ☐ Became own Ya land
02 ☐ Sold to other individual or HH
03 ☐ Cultivated by other HH and then became Ya land
04 ☐ Fallowed and became forest or other HH's Taungya
05 ☐ Grabbed or confiscated
97 ☐ Don't Know
99 ☐ Other (specify)

I304s. Please specify the other ...

E `i304.Contains(99)`

TEXT `i304s`

I305. How many Taungya plots did your HH farm 10 years ago?

E `i302>=2008 && i302!=9997`

NUMERIC: INTEGER `i305`

SPECIAL VALUES
9997 [9997] Don't know

I306. What area of Taungya plots did your HH farm 10 years ago?
Unit - Acre

E `i302<=2008 && i302!=9997`

NUMERIC: DECIMAL `i306`

SPECIAL VALUES
9997 [9997] Don't know

I307. How many Taungya plots do you farm at present?

E `i301 == 1`

NUMERIC: INTEGER `i307`

I3. SHIFTING CULTIVATION / PRACTICED TAUNGYA
Roster: PLOT
generated by numeric question `i307` `I3_r_plot`

I308. How big is Plot- %I3_r_plot%?

NUMERIC: DECIMAL `f308`

SPECIAL VALUES
9997 [9997] Don't know

I308u. Unit

E `IsAnswered(f308) && f308 != 9997`

SINGLE-SELECT `i308u`

01 ○ Acre
02 ○ Basket (seed)
03 ○ Taing
04 ○ Feet Square
99 ○ Other (specify)

I308s. Please specify the other unit.

E `i308u==99`

TEXT `i308s`

I309. How long does it take to reach the Plot- %I3_r_plot% by foot?

I HH:MM

TEXT `i309`

I310. In general, what is the slope of the Plot - %I3_r_plot%?

SINGLE-SELECT i310

01 ○ Flat
02 ○ Slight slope
03 ○ Moderate slope
04 ○ Steep slope

I311. When was this land cleared?

E1 $Year
M1 Check again...

NUMERIC: INTEGER i311

SPECIAL VALUES
9997 [9997] Don't know

I312. What crops are grown during the past 12 months on this Plot - %I3_r_plot%?

E1 (self.Contains(8) && self.Length == 1) || (!self.Contains(8))
M1 You cannot choose other options if you chose "no crop".

MULTI-SELECT i312

01 ☐ Paddy
02 ☐ Maize
03 ☐ Peanut
04 ☐ Sesame
05 ☐ Other 1 (Specify)
06 ☐ Other 2 (specify)
07 ☐ Other 3 (specify)
08 ☐ Did not grow any crop

I312s_1. Please specify the other 1 ...

E i312.Contains(5)

TEXT i312s 1

I312s_2. Please specify the other 2 ...

E i312.Contains(6)

TEXT i312s 2

I312s_3. Please specify the other 3 ...

E i312.Contains(7)

TEXT i312s_3

I313_1. What is the main purpose of growing Paddy?

E i312.Contains(1)

SINGLE-SELECT i313_1

01 ○ Subsistence Use
02 ○ Sale
03 ○ Subsistence use & sale

I313_2. What is the main purpose of growing Maize?

E i312.Contains(2)

SINGLE-SELECT I313_2

01 ○ Subsistence Use
02 ○ Sale
03 ○ Subsistence use & sale

I313_3. What is the main purpose of growing Peanut?

E i312.Contains(3)

SINGLE-SELECT i313 3

01 ○ Subsistence Use
02 ○ Sale
03 ○ Subsistence use & sale

I313_4. What is the main purpose of growing Sesame?

E i312.Contains(4)

SINGLE-SELECT i313 4

01 ○ Subsistence Use
02 ○ Sale
03 ○ Subsistence use & sale

I313_5. What is the main purpose of growing %i312s_1%?

E i312.Contains(5)

SINGLE-SELECT i313_5

01 ○ Subsistence Use
02 ○ Sale
03 ○ Subsistence use & sale

I313_6. What is the main purpose of growing %i312s_2%?

E i312.Contains(6)

SINGLE-SELECT i313_6

01 ○ Subsistence Use
02 ○ Sale
03 ○ Subsistence use & sale

I313_7. What is the main purpose of growing %i312s_3%?

E i312.Contains(7)

SINGLE-SELECT i313_7

01 ○ Subsistence Use
02 ○ Sale
03 ○ Subsistence use & sale

I314. Which year in the future will the land next be fallowed?

E1 self>2018 || self == 9996 || self == 9997
M1 Check again...

NUMERIC: INTEGER i314

SPECIAL VALUES

9996 [9996] Will not be fallowed again
9997 [9997] Don't know

I4. DISPOSED PARCELS SINCE 1988

STATIC TEXT

E i300==1

NOTE - THIS MODULE DOES NOT COVER ABANDONED PARCELS THAT WERE PREVIOUSLY USED FOR SHIFTING CULTIVATION.

I400. Did your household dispose/ lose possession of any land that your household owned since 1988?

SINGLE-SELECT i400

01 ○ Yes
02 ○ No
97 ○ Don't know

I401. How many parcels did the household dispose of/lose?

E i400==1
E1 self>0
M1 The value should be greater than 0.

NUMERIC: INTEGER i401

I4. DISPOSED PARCELS SINCE 1988

Roster: DISPOSED PARCEL

generated by numeric question i401

I4_disposed_parcel

I402. Reason for Disposed Parcel %I4_disposed_parcel%

MULTI-SELECT i402

- 01 ☐ Sold due to debt related to maize production
- 02 ☐ Sold due to debt related to other agricultural production
- 03 ☐ Sold due to unrelated to agriculture
- 04 ☐ Sold due to dispute
- 05 ☐ Sold to fund investment
- 06 ☐ Sold to fund migration
- 07 ☐ Sold to fund purchase of house or other large assets
- 08 ☐ Sold to pay for medical care
- 09 ☐ Sold following inheritance
- 10 ☐ Sold as insufficent labor to farm
- 11 ☐ Sold as land of poor quality or Too far away
- 12 ☐ Lost due to erosion/landslide
- 13 ☐ Given to family member
- 14 ☐ Religious donation
- 15 ☐ Confiscated by authorities
- 16 ☐ Grabbed by private individual

And 1 other symbols [24]

I402s. Specify the Other Reason.

E `i402.Contains(99)`

TEXT i402s

I403. What was the size of Disposed Parcel %I4_disposed_parcel%?

NUMERIC: DECIMAL i403

SPECIAL VALUES
9997 [9997] Don't know

I403u. Unit

E `IsAnswered(i403) && i403!=9997`

SINGLE-SELECT i403u

- 01 ○ Acre
- 02 ○ Square Feet
- 03 ○ Square Taung
- 04 ○ Multiples of Home compound area
- 99 ○ Other (Specify)

I403us. Please specify the 'Other'.

E `i403u==99`

TEXT i403us

I404. In which year did the HH dispose/lose possession of Disposed Parcel %I4_disposed_parcel%?

E1 `self.InRange(1988,2018) || self == 9997 || self == 9998`
M1 The year should be between 1988 and 2018.

NUMERIC: INTEGER i404

SPECIAL VALUES
9997 [9997] Don't know
9998 [9998] Not applicable

I405. Has the Disposed Parcel %I4_disposed_parcel% land been ever recovered or the other new land been given as a substitute?

E `i402.ContainsAny(15,16)`

SINGLE-SELECT i405

- 01 ○ Yes
- 02 ○ No

I406. Did the household receive compensation (cash or in-kind) at the time of parcel %I4_disposed_parcel% disposal?

E i402.ContainsAny(15,16)

SINGLE-SELECT i406

01 ○ Yes
02 ○ No

I407. Who obtained the Disposed Parcel %I4_disposed_parcel% from you?

SINGLE-SELECT i407

01 ○ Family members/ Relatives
02 ○ Private individual (this village)
03 ○ Private individual (this township)
04 ○ Private individual (other township/region) - SPECIFY
05 ○ Local offical
06 ○ State insitution (SPECIFY)
07 ○ Company (SPECIFY NAME)
08 ○ Military
09 ○ Monastry
98 ○ NA
99 ○ Other (Specify)

I407t. Specify the Name of the Other Township or Region.

E i407==4

TEXT i407t

I407i. Specify the Name of the State Institution Who Obtained the Parcel.

E i407==6

TEXT i407i

I407c. Specify the Name of the Company which Obtained the Parcel.

E i407==7

TEXT i407c

I407s. Specify the Other Which Obtained the Parcel.

E i407==99

TEXT i407s

I408. What was the Disposed Parcel %I4_disposed_parcel%'s use at the time of disposal?

SINGLE-SELECT i408

01 ○ Residence
02 ○ Low land
03 ○ Ya crop land
04 ○ Orchard
05 ○ Khaing crop land
06 ○ Other agricultural land (specify)
07 ○ Uncultivated
08 ○ Pasture
09 ○ Business/shop
10 ○ Pond
11 ○ Bamboo garden
12 ○ Tree plantation
99 ○ Other (Specify)

I408a. Specify the 'Other Agricultural Land' ...

E i408==6

TEXT i408a

I408s. Specify the 'Other' E i408==99	TEXT i408s .....
I409. What is the Disposed Parcel %I4_disposed_parcel%'s use now?	SINGLE-SELECT i409 01 ○ Residence 02 ○ Low land 03 ○ Ya crop land 04 ○ Orchard 05 ○ Mining/quarrying 06 ○ Other agricultural land (specify) 07 ○ Uncultivated 08 ○ Pasture 09 ○ Business/shop 10 ○ Pond 11 ○ Bamboo garden 12 ○ Tree plantation 13 ○ Public good (road etc.,) 14 ○ Private industry 15 ○ Monastery/ Pagoda 97 ○ Don't know And 1 other symbols [25]
I409a. Specify the 'Other Agricultural Land' ... E i409==6	TEXT i409a .....
I409s. Specify the 'Other' E i409==99	TEXT i409s .....
I410. What type of document did your household have for Disposed Parcel %I4_disposed_parcel%?	SINGLE-SELECT i410 01 ○ Form 7 02 ○ Form 105 03 ○ La Na 39 04 ○ Contract 05 ○ Tax receipt 06 ○ AIN grant 07 ○ None 97 ○ Do Not Know 99 ○ Other (Specify)
I410s. Specify the Other Type of Document ... E i410==99	TEXT i410s .....

I411. What happened to your household as an outcome of disposal of the Parcel %I4_disposed_parcel%?
(list upto 3 main outcomes, ranked in order of importance)

MULTI-SELECT: ORDERED i411

- 01 ☐ HH gave up agriculture
- 02 ☐ Reduction of agri income share from this parcel
- 03 ☐ HH member migrated to city/abroad
- 04 ☐ HH member migrated to another rural area
- 05 ☐ HH became dependent on agricultural labour
- 06 ☐ HH became dependent on non-farm business
- 07 ☐ HH lost place of residence
- 08 ☐ No negative effect
- 99 ☐ Other (Specify)
- 98 ☐ NA

I411s. Specify the 'Other' Outcome...

E `i411.Contains(99)`

TEXT i411s

.....

F. LIVESTOCK

F101. In the past 12 months, did your household raise any of the following livestocks?

MULTI-SELECT: YES/NO f101

- 01 ☐ / ☐ Chickens
- 02 ☐ / ☐ Ducks
- 03 ☐ / ☐ Pigs
- 04 ☐ / ☐ Cows/Oxen
- 05 ☐ / ☐ Water Buffaloes
- 06 ☐ / ☐ Goat
- 07 ☐ / ☐ Sheep
- 08 ☐ / ☐ Horses/Donkey
- 99 ☐ / ☐ Other (specify)

F101s. Please specify the other livestock

E `f101.Yes.Contains(99)`

TEXT f101s

.....

F. LIVESTOCK

Roster: LIVESTOCK

generated by multi-select question `f101` F_livestock

F102. How many %F_livestock% do you have now?

NUMERIC: INTEGER f102

- -

F103. In the past 12 months, what was your total income from sales of %F_livestock% ?

NUMERIC: DECIMAL f103

- -

SPECIAL VALUES

- 0000 No Income
- 9997 Don't know
- 9998 Not applicable

F103u. Unit [Kyat or Lakh Kyat]

E IsAnswered(f103) && (f103 != 0 && f103 != 9997 && f103 != 9998)

E1 (f103*(LakhtoKyatConversion[(int)self].amount))>=100 && (f103*(LakhtoKyatConversion[(int)self].amount))<=10000000000

M1 Please check the number again!

SINGLE-SELECT f103u

01 ○ Kyat

02 ○ Lakh Kyat

F104. In the past 12 months, what was the value of home consumption of %F_livestock% ?

NUMERIC: DECIMAL f104

SPECIAL VALUES

0000 No value

9997 Don't know

9998 Not applicable

F104u. Unit [Kyat or Lakh Kyat]

E IsAnswered(f104) && (f104 != 0 & f104 != 9997 && f104!= 9998)

E1 (f104*(LakhtoKyatConversion[(int)self].amount))>=100 && (f104*(LakhtoKyatConversion[(int)self].amount))<=10000000000

M1 Please check the number again!

SINGLE-SELECT f104u

01 ○ Kyat

02 ○ Lakh Kyat

F105_1. In the past 12 months, what was your total income from sales of food product of %F_livestock%? (e.g. eggs, milk, cheese)

E @rowcode == 1 || @rowcode == 2 || @rowcode == 4 || @rowcode == 5

NUMERIC: DECIMAL f105_1

SPECIAL VALUES

0000 No Income

9997 Don't know

9998 Not Applicable

F105_1u. Unit [Kyat or Lakh Kyat]

E IsAnswered(f105_1) && (f105_1 != 0 && f105_1 != 9997 && f105_1!= 9998)

E1 (f105_1*(LakhtoKyatConversion[(int)self].amount))>=100 && (f105_1*(LakhtoKyatConversion[(int)self].amount))<=10000000000

M1 Please check again...

SINGLE-SELECT f105_1u

01 ○ Kyat

02 ○ Lakh Kyat

F105_2. In the past 12 months, what was your total income from sales of manure of %F_livestock%?

E @rowcode == 1 || @rowcode == 2 || @rowcode==3 || @rowcode == 4 || @rowcode == 5

NUMERIC: DECIMAL f105_2

SPECIAL VALUES

0000 No Income

9997 Don't know

9998 Not Applicable

F105_2u. Unit [Kyat or Lakh Kyat]

E IsAnswered(f105_2) && (f105_2 != 0 && f105_2 != 9997 && f105_2!= 9998)

E1 (f105_2*(LakhtoKyatConversion[(int)self].amount))>=100 && (f105_2*(LakhtoKyatConversion[(int)self].amount))<=10000000000

M1 Please check again...

SINGLE-SELECT f105_2u

01 ○ Kyat

02 ○ Lakh Kyat

F106_1. In the past 12 months, what was the value of home consumption of food product of %F_livestock%? (eggs, milk, cheese etc)

E `@rowcode == 1 || @rowcode == 2 || @rowcode == 4 || @rowcode == 5`

NUMERIC: DECIMAL f106_1

SPECIAL VALUES
0000 No Income
9997 Don't know
9998 Not applicable

F106_1u. Unit [Kyat or Lakh Kyat]

E `IsAnswered(f106_1) && (f106_1 != 0 && f106_1!= 9997 && f106_1!= 9998)`

E1 `(f106_1*(LakhtoKyatConversion[(int)self].amount))>=100 && (f106_1*(LakhtoKyatConversion[(int)self].amount))<=10000000000`

M1 Check the number please!

SINGLE-SELECT f106_1u
01 ○ Kyat
02 ○ Lakh Kyat

F106_2. In the past 12 months, what was the value of manure of %F_livestock% use on own farm?

E `@rowcode == 1 || @rowcode == 2 || @rowcode==3 || @rowcode == 4 || @rowcode == 5`

NUMERIC: DECIMAL f106_2

SPECIAL VALUES
0000 No Value
9997 Don't know
9998 Not applicable

F106_2u. Unit [Kyat or Lakh Kyat]

E `IsAnswered(f106_2) && (f106_2 != 0 && f106_2!= 9997 && f106_2!= 9998)`

E1 `(f106_2*(LakhtoKyatConversion[(int)self].amount))>=100 && (f106_2*(LakhtoKyatConversion[(int)self].amount))<=10000000000`

M1 Check the number please!

SINGLE-SELECT f106_2u
01 ○ Kyat
02 ○ Lakh Kyat

F107. In the past 12 months, how much did you spend on feed for raising %F_livestock%?

NUMERIC: DECIMAL f107

SPECIAL VALUES
0000 No spending
9997 Don't know
9998 Not applicable

F107u. Unit [Kyat or Lakh Kyat]

E `IsAnswered(f107) && (f107 != 0 && f107 != 9997 && f107!= 9998)`

E1 `(f107*(LakhtoKyatConversion[(int)self].amount))>=100 && (f107*(LakhtoKyatConversion[(int)self].amount))<=10000000000`

M1 Please check it again...

SINGLE-SELECT f107u
01 ○ Kyat
02 ○ Lakh Kyat

F108. Was any of this feed purchased pelleted feed?

E `f107!=0 && f107!=9997 && f107!=9998`

SINGLE-SELECT f108
01 ○ Yes
02 ○ No

F109. In the past 12 months, how much did you spend on veterinary costs?

NUMERIC: DECIMAL f109

SPECIAL VALUES
0000 None
9997 Don't know
9998 Not applicable

F109u. Unit [Kyat or Lahk Kyat]

E `IsAnswered(f109) && (f109 != 0 && f109!= 9997 && f109!= 9998)`

E1 `(f109*(LakhtoKyatConversion[(int)self].amount))>=100 && (f109*(LakhtoKyatConversion[(int)self].amount))<=10000000000`

M1 Please check it again...

SINGLE-SELECT f109u

01 ○ Kyat

02 ○ Lahk Kyat

F110. In the past 12 months, did you employ any hired labour to raise %F_livestock% ?

SINGLE-SELECT f110

01 ○ Yes

02 ○ No

F111. In the past 12 months, how much did you spend on hired labour to raise %F_livestock%?

E `f110 == 1`

NUMERIC: DECIMAL f111

SPECIAL VALUES

0000 [0] None

9997 [9997] Don't know

9998 [9998] Not applicable

F111u. Unit [Kyat or Lakh Kyat]

E `IsAnswered(f111) && (f111 != 0 && f111 != 9997 && f111!= 9998)`

E1 `(f111*(LakhtoKyatConversion[(int)self].amount))>=100 && (f111*(LakhtoKyatConversion[(int)self].amount))<=10000000000`

M1 Please Check the error.

SINGLE-SELECT f111u

01 ○ Kyat

02 ○ Lakh Kyat

F112.How long do the members of your HH spend each day taking care of %F_livestock% (e.g. finding and preparing fodder, washing etc)? HH:MM

I Please put the hour and minutes in this format HH:MM. if they are not t aking care of live stock put 00:00

TEXT f112

F113. Which HH members were responsible for %F_livestock%..? (rank in order of their responsibility)

E `IsAnswered(f112) && f112!="00:00"`

MULTI-SELECT: ORDERED, LINKED f113

G. CREDIT AND INVESTMENT

G101. Does the household do any farming including livestock rearing?

SINGLE-SELECT g101

01 ○ Yes

02 ○ No

G102. Which sources of funds did you use to pay for the operating costs of your farm within the last 12 months?
Please RANK the funds used in order of the size of their contribution to total operating costs within the last 12 months.

E g101==1
W1 self.Length>1
M1 Please double check that has only one source...

MULTI-SELECT: ORDERED g102

- 07 ☐ Credit
- 01 ☐ Reinvestment of profit from previous crops
- 02 ☐ Income from agri-labor
- 03 ☐ Income from non-farm business
- 04 ☐ Income from non-farm work
- 05 ☐ Savings from other source
- 06 ☐ Sale of assets
- 08 ☐ Income from sales of livestock
- 09 ☐ Remittances
- 99 ☐ Other (specify)

G102s. Please specify other ...

E g102.Contains(99)

TEXT g102s

.....

G. CREDIT AND INVESTMENT

AGRICULTURAL CREDIT

E g102.Contains(7)

G103. Which of the following source of credit did the household take loans from for agricultural purposes during the last 12 months?

MULTI-SELECT g103

- 01 ☐ Private money lender
- 02 ☐ Relatives/Friend
- 03 ☐ MADB
- 04 ☐ Department of Cooperatives
- 05 ☐ Microfinance Institution/ NGO
- 06 ☐ Rice or oil mill
- 07 ☐ Agricultural input suppliers
- 08 ☐ Agricultural trader (crops or crops+inputs)
- 09 ☐ Agricultural machinery suppliers
- 10 ☐ Gold/Pawn shop
- 11 ☐ Revolving fund
- 12 ☐ Private bank
- 13 ☐ Green revolution fund (Mya Sein Yaung)
- 14 ☐ Rosca
- 99 ☐ Other (specify)

G103s. Specify other source of credit for agric purposes

E g103.Contains(99)

TEXT g103s

.....

G. CREDIT AND INVESTMENT / AGRICULTURAL CREDIT

Roster: AGRICULTURAL CREDIT

generated by multi-select question g103 G_credit

G104. How many loans did you take from %G_credit% in the past 12 months?

NUMERIC: INTEGER g104

VARIABLE (@rowcode==1?true:false)|| (@rowcode==2?true:false)|| (@rowcode==6?true:false)|| (@rowcode==7?true:false)|| (@rowcode==8?true:false)|| (@rowcode==9?true:false)|| (@rowcode==10?true:false)|| (@rowcode= And 15 other symbols [2]	BOOLEAN flag
VARIABLE (@rowcode==3?true:false)|| (@rowcode==4?true:false)|| (@rowcode==11?true:false)|| (@rowcode==12?true:false)|| (@rowcode==14?true:false)	BOOLEAN flag_cash_only
VARIABLE (@rowcode==7?true:false)|| (@rowcode==8?true:false)	BOOLEAN flag_78
VARIABLE ((@rowcode!=3)&&(@rowcode!=14))?true:false	BOOLEAN flag_3_14
VARIABLE (@rowcode!=14)?true:false	BOOLEAN flag_not_14

G. CREDIT AND INVESTMENT / AGRICULTURAL CREDIT / AGRICULTURAL CREDIT

Roster: LOAN

generated by numeric question g104 — G_loan

G105. What was loan from %G_credit% used for?	MULTI-SELECT g105 01 ☐ Labor for maize farming 02 ☐ Labor for non-maize farming 03 ☐ Maize seed 04 ☐ Seed for non-maize crop 05 ☐ Fertilizer or other inputs for maize farming 06 ☐ Fertilizer or other inputs for non-maize farming 07 ☐ To buy agricultural machinery 08 ☐ Expenditure for Livestock rearing 09 ☐ To buy livestock 10 ☐ To rent agricultural machinery 11 ☐ General agricultural expenses 99 ☐ Other (Specify) 98 ☐ N/A
G105s. Please specify other use of loan E g105.Contains(99)	TEXT g105s
G106. How was the loan from %G_credit% received? F (@optioncode==1 && flag_cash_only==true)||(@optioncode>=1 && flag_cash_only==false)	SINGLE-SELECT g106 01 ○ In cash 02 ○ In kind

G106t. When was the loan from %G_credit% received?

SINGLE-SELECT g106t

01 ○ May, 2018
02 ○ April, 2018
03 ○ March, 2018
04 ○ February, 2018
05 ○ January, 2018
06 ○ December, 2017
07 ○ November, 2017
08 ○ October, 2017
09 ○ September, 2017
10 ○ August, 2017
11 ○ July, 2017
12 ○ June, 2017
97 ○ Don't know

G107. What was the value of cash or goods received from this transaction?

NUMERIC: DECIMAL g107

SPECIAL VALUES
9997 Don't know

G107u. Unit [Kyat or Lakh Kyat]

E `IsAnswered(g107) && g107!=9997`
E1 `(g107*(LakhtoKyatConversion[(int)self].amount))>=100 && (g107*(LakhtoKyatConversion[(int)self].amount))<=10000000000`
M1 Please check again...

SINGLE-SELECT g107u

01 ○ Kyat
02 ○ Lakh

G108. Did taking the loan from %G_credit% commit you to sell the final product to the loan provider?

E `flag_78==true`

SINGLE-SELECT g108

01 ○ Yes
02 ○ No

G109. What was the rate of interest paid on the loan from %G_credit%?
Percentage

E `g106==1 && flag_3_14==true`
E1 `self.InRange(0,100) || self==9997`
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g109

SPECIAL VALUES
0000 No interest rate
9997 Don't know

G109p. Per unit

E `IsAnswered(g109) && g109>0 && g109!=9997 && g106==1`

SINGLE-SELECT g109p

01 ○ Month
02 ○ Year
99 ○ Other (specify)

G109s. Please specify other ...

E `g109p==99`

TEXT g109s

G111y. When does this loan from %G_credit% credit have to be fully repaid?
Year

E1 `self>=2017 || self==9996 || self==9997`
M1 Check again please!

NUMERIC: INTEGER g111y

SPECIAL VALUES
9996 [9996] No limitation
9997 [9997] Don't know

G111m. When does this loan from %G_credit% credit have to be fully repaid?
Month

SINGLE-SELECT g111m

- 01 ○ January
- 02 ○ February
- 03 ○ March
- 04 ○ April
- 05 ○ May
- 06 ○ June
- 07 ○ July
- 08 ○ August
- 09 ○ September
- 10 ○ October
- 11 ○ November
- 12 ○ December
- 96 ○ No limitation
- 97 ○ Don't know

G112. Was it necessary to sell your crop sooner than you would have liked in order to repay this loan from %G_credit% in the last 12 months?

E `flag_not_14==true && g111y == 2018`

SINGLE-SELECT g112

- 01 ○ Yes
- 02 ○ No
- 98 ○ Not applicable

G. CREDIT AND INVESTMENT

NON-AGRICULTURAL CREDIT

G201.Did the household receive any credit that was used for non-agricultural purposes during the last 12 months?

SINGLE-SELECT g201

- 01 ○ Yes
- 02 ○ No

G202. Which of the following source of credit did the household take loans from for non-agricultural purposes?

E `g201==1`

MULTI-SELECT g202

- 01 ☐ Private money lender
- 02 ☐ Relatives/Friend
- 03 ☐ MADB
- 04 ☐ Department of Cooperatives
- 05 ☐ Microfinance Institution/ NGO
- 06 ☐ Agricultural trader (crops or crops+inputs)
- 07 ☐ Gold/Pawn shop
- 08 ☐ Revolving fund
- 09 ☐ Private bank
- 10 ☐ Green revolution fund (Mya Sein Yaung)
- 12 ☐ Rosca
- 99 ☐ Other (Specify)

G202s. Specify other source of credit for non-agricultural purposes.

E `g202.Contains(99)`

TEXT g202s

G. CREDIT AND INVESTMENT / NON-AGRICULTURAL CREDIT

Roster: NON-AGRICULTURAL CREDIT

generated by multi-select question g202 G_non_agri_credit

G203. How many loans did you take from %G_non_agri_credit% in the past 12 months

NUMERIC: INTEGER g203

VARIABLE

```
@rowcode!=12?true:false
```

BOOLEAN flag not 12

VARIABLE

```
(@rowcode==1?true:false)|| (@rowcode==2?true:false)|| (@rowcode==6?true:false)|| (@rowcode==7?true:false)
```

BOOLEAN flag 1267

G. CREDIT AND INVESTMENT / NON-AGRICULTURAL CREDIT / NON-AGRICULTURAL CREDIT

Roster: LOAN

generated by numeric question g203 G_non_agri_loan

G204. What was loan from %G_non_agri_credit% used for?

MULTI-SELECT g204

- 01 ☐ Food expenditure
- 02 ☐ General day to day living costs
- 03 ☐ Health care
- 04 ☐ Education
- 05 ☐ Religious donations
- 06 ☐ Social expenses (e.g. wedding)
- 07 ☐ Non-agricultural business investment
- 08 ☐ Other non-food household expenditures
- 09 ☐ House construction/ repairing / improvement
- 99 ☐ Other (Specify)
- 98 ☐ Not Applicable

G204s. Please specify other source of non-agricultural credit

E `g204.Contains(99)`

TEXT g204s

G205. How was the loan from %G_non_agri_credit% received?

E `flag_1267==true`

SINGLE-SELECT g205

- 01 ○ In cash
- 02 ○ In kind

G206t. When was the loan from %G_non_agri_credit% received?

SINGLE-SELECT g206t

- 01 ○ May, 2018
- 02 ○ April, 2018
- 03 ○ March, 2018
- 04 ○ February, 2018
- 05 ○ January, 2018
- 06 ○ December, 2017
- 07 ○ November, 2017
- 08 ○ October, 2017
- 09 ○ September, 2017
- 10 ○ August, 2017
- 11 ○ July, 2017
- 12 ○ June, 2017
- 99 ○ Other (specify)
- 97 ○ Don't know

G206ts. Please specify the other.

E `g206t==99`

TEXT g206ts

G207. What was the value of cash or goods received from this transaction?

NUMERIC: DECIMAL g207

SPECIAL VALUES
9997 Don't know

G207u. Unit [Kyat or Lakh Kyat]

E IsAnswered(g207)&& g207!=9997
E1 (g207*(LakhtoKyatConversion[(int)self].amount))>=100 && (g207*(LakhtoKyatConversion[(int)self].amount))<=10000000000
M1 Please check again...

SINGLE-SELECT g207u
01 ○ Kyat
02 ○ Lakh

G208. What was the rate of interest paid on the loan from %G_non_agri_credit%?
Percentage

E flag_not_12==true
E1 self.InRange(0,100) || self==9997
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g208

SPECIAL VALUES
0000 No interest rate
9997 Don't know

G208u. Per unit

E IsAnswered(g208) && g208!=0 && g208!=9997

SINGLE-SELECT g208u
03 ○ Daily
04 ○ Weekly
01 ○ Month
02 ○ Year
99 ○ Other (specify)

G208us. Other specify

E g208u==99

TEXT g208us

G209y. When does this loan from %G_non_agri_credit% credit have to be fully repaid?
Year

E1 self>=2017 || self==9996 || self==9997
M1 Check again please!

NUMERIC: INTEGER g209y

SPECIAL VALUES
9996 [9996] No limitation
9997 [9997] Don't know

G209m. When does this loan from %G_non_agri_credit% credit have to be fully repaid?
Month

SINGLE-SELECT g209m
0001 ○ January
0002 ○ February
0003 ○ March
0004 ○ April
0005 ○ May
0006 ○ June
0007 ○ July
0008 ○ August
0009 ○ September
0010 ○ October
0011 ○ November
0012 ○ December
9996 ○ [9996} No limitation
9997 ○ [9997] Don't know

K. LONG TERM AGRICULTURAL LABOR

STATIC TEXT

Long term labor refers to any laborers you hired for several months at a time, or even the whole year, usually paying them on a weekly or monthly (not daily) basis

K100. Did you hire any labor for agriculture on a long term basis during the last 12 months to work on your farm?

SINGLE-SELECT k100

01 ○ Yes
02 ○ No

K101_1. How many long term Women workers did you hire to work on the farm in the last 12 months?

E k100==1

NUMERIC: INTEGER k101_1

SPECIAL VALUES
9997 [9997] Don't know

K101_2. How many long term Men workers did you hire to work on the farm in the last 12 months?

E k100==1

NUMERIC: INTEGER k101_2

SPECIAL VALUES
9997 [9997] Don't know

K. LONG TERM AGRICULTURAL LABOR

WOMEN LONG-TERM LABOUR

E k101_1>0 && k101_1 != 9997

K102_1. How long did you employ them for during the past 12 months?
Number

NUMERIC: INTEGER k102_1

SPECIAL VALUES
9997 [9997] Don't know

K102_1u. Unit...

E k102_1>0 && k102_1!=9997

SINGLE-SELECT k102_1u

01 ○ Days
02 ○ Weeks
03 ○ Months

K103_1. What was the total amount paid to each worker in the past 12 months?

NUMERIC: DECIMAL k103_1

SPECIAL VALUES
9997 [9997] Don't know

K103_1u. Unit...

E k103_1>0 && k103_1!=9997

SINGLE-SELECT k103_1u

01 ○ Kyat
02 ○ Lakh Kyat

K103_1p. Per...

E k103_1>0 && k103_1!=9997

SINGLE-SELECT k103_1p

01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total

K104_1. What was the total value of transport, meals and gifts paid to each worker in the past 12 months?
Amount

NUMERIC: DECIMAL k104_1

SPECIAL VALUES
0000 [0] No Total Value
9997 [9997] Don't know

K104_1u. Unit...

E k104_1>0 && k104_1!=9997

SINGLE-SELECT k104_1u
01 ○ Kyat
02 ○ Lakh Kyat

K105_1. Where did the worker(s) come from?

MULTI-SELECT k105_1
01 ☐ This village
02 ☐ Other village in this village tract
03 ☐ Other village tract in this township
04 ☐ Other township in Shan state
05 ☐ Mandalay
06 ☐ Sagaing
07 ☐ Magway
08 ☐ Bago
99 ☐ Other State or Region

K105_1s. Please specify other state/region...

E k105_1.Contains(99)

TEXT k105_1s

K. LONG TERM AGRICULTURAL LABOR

MEN LONG-TERM LABOUR

E k101_2>0 && k101_2!=9997

K102_2. How long did you employ them for during the past 12 months?
Number

NUMERIC: INTEGER k102_2

SPECIAL VALUES
9997 [9997] Don't know

K102_2u. Unit...

E k102_2>0 && k102_2!=9997

SINGLE-SELECT k102_2u
01 ○ Days
02 ○ Weeks
03 ○ Months

K103_2. What was the total amount paid to each worker in the past 12 months?

NUMERIC: DECIMAL k103_2

SPECIAL VALUES
9997 [9997] Don't know

K103_2u. Unit...

E k103_2>0 && k103_2!=9997

SINGLE-SELECT k103_2u
01 ○ Kyat
02 ○ Lakh Kyat

K103_2p. Per...

E `k103_2>0 && k103_2!=9997`

SINGLE-SELECT `k103_2p`

01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total

K104_2. What was the total value of transport, meals and gifts paid to each worker in the past 12 months?
Amount

NUMERIC: DECIMAL `k104_2`

SPECIAL VALUES
9997 [9997] Don't know

K104_2u. Unit...

E `k104_2>0 && k104_2!=9997`

SINGLE-SELECT `k104_2u`

01 ○ Kyat
02 ○ Lakh Kyat

K105_2. Where did the worker(s) come from?

MULTI-SELECT `k105_2`

01 ☐ This village
02 ☐ Other village in this village tract
03 ☐ Other village tract in this township
04 ☐ Other township in Shan state
05 ☐ Mandalay
06 ☐ Sagaing
07 ☐ Magway
08 ☐ Bago
09 ☐ Other State or Region

K105_2s. Please specify other state/region...

E `k105_2.Contains(99)`

TEXT `k105_2s`

P. PERCEPTION

P101. Have you ever grown maize?

SINGLE-SELECT `p101`

01 ○ Yes
02 ○ No

STATIC TEXT

Read the following statement and choose an appropriate answer.

P101_1. Farming maize is easy.

E `p101 == 1`

SINGLE-SELECT `p101_1`

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ don't know

P101_2. Farming maize is risky.

E p101 == 1

SINGLE-SELECT p101 2

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable / Don't Know

P101_3. Farming maize is time consuming, compared to the other type of agriculture I practice.

E p101 == 1

SINGLE-SELECT p101 3

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable / Don't know

P101_4. Farming maize has allowed me to eat more varieties of food than before.

E p101 == 1

SINGLE-SELECT p101_4

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

P101_5. Farming maize helps with the cost of running my household.

E p101 == 1

SINGLE-SELECT p101 5

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

P101_6. Farming maize requires more investment than other the crops I farm .

E p101 == 1

SINGLE-SELECT p101 6

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/Don't Know

P101_7. Farming maize means I have to buy more food than before.

E p101 == 1

SINGLE-SELECT p101 7

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable

P101_8. Farming maize is becoming less profitable over time.

E p101 == 1

SINGLE-SELECT p101_8

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

P101_9. Farming maize is more labor intensive than other crops.

E p101 == 1

SINGLE-SELECT p101_9

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

P101_10. Farming maize has improved my household's standard of living.

E p101 == 1

SINGLE-SELECT p101_10

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

P101_11. Farming maize contributes to my children's education.

E p101 == 1

SINGLE-SELECT p101_11

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

P101_12. Farming maize has made me more heavily indebted.

E p101 == 1

SINGLE-SELECT p101_12

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

P101_13. Farming maize is more affected by fluctuations in market price than other crops.

E p101 == 1

SINGLE-SELECT p101_13

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

P101_14. Farming maize causes soil erosion.

E p101 == 1

SINGLE-SELECT p101 14

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

P101_15. Farming maize doesn't interfere with my leisure time.

E p101 == 1

SINGLE-SELECT p101 15

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

P101_16. Farming maize has allowed me to make improvements to my house.

E p101 == 1

SINGLE-SELECT p101 16

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

P101_17. Farming maize is preferable to the type of farming I did before growing maize.

E p101 == 1

SINGLE-SELECT p101 17

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

P101_18. Farming maize is bad for the soil fertility.

E p101 == 1

SINGLE-SELECT p101 18

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

P101_19. Farming maize has allowed me to buy new assets..

E p101 == 1

SINGLE-SELECT p101 19

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

P101_20. Farming maize has reduced the area of forest in this village tract.

E p101 == 1

SINGLE-SELECT p101_20

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

P101_21. Farming maize is more affected by fluctuations in the price of seed & fertilizer than other crops.

E p101 == 1

SINGLE-SELECT p101_21

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

P101_22. Farming maize is less badly affected by extreme weather conditions than other crops.

E p101 == 1

SINGLE-SELECT p101_22

01 ○ Strongly disagree
02 ○ Disagree
03 ○ Neither Disagree Nor Agree
04 ○ Agree
05 ○ Strongly agree
98 ○ Question is not applicable/ Don't know

Q1. AGRICULTURAL PRODUCTION PADDY HISTORY

Q101a.Did you grow paddy within the past 12 months?

SINGLE-SELECT q101a

01 ○ Yes
02 ○ No

Q1. AGRICULTURAL PRODUCTION PADDY HISTORY

PADDY

E q101a==1

Q102a. Which was the most important paddy crop you grew in the past 12 months?

SINGLE-SELECT q102a

01 ○ Le Monsoon Paddy
02 ○ Le Dry Season Paddy
03 ○ Ya Monsoon Paddy
04 ○ Shifting cultivation paddy

Q103a. When did you first grow %q102a% ?

E1 $Year
M1 Please check the value

NUMERIC: INTEGER q103a

SPECIAL VALUES
9997 [9997] Don't know

VARIABLE
q103a == 9997? 1900:q103a

LONG temp paddy

Q1. AGRICULTURAL PRODUCTION PADDY HISTORY / PADDY

Roster: PADDY PRODUCTION HISTORY

01 Most recent complete production cycle

02 5 years ago

03 10 years ago

E `@rowcode == 1 || (@rowcode == 2 && temp_paddy<= 2012) || (@rowcode == 3 && temp_paddy<= 2007)`

Q104a. Was the main paddy variety that you planted %q102a%?
%Q1_Paddy_History%?

SINGLE-SELECT q104a

0001 ○ Local
0002 ○ Improved
9997 ○ [9997] Don't know
9998 ○ [9998] Not Applicable

Q105a. What is this variety called?
%Q1_Paddy_History%

E `q104a == 2`

SINGLE-SELECT q105a

01 ○ DU12
02 ○ Shwe Yin Aye
03 ○ Shwe Att
99 ○ Other (Specify)

Q105as. Please specify the other variety

E `q105a==99`

TEXT q105as

Q106a. Where did you get seed of this variety from?
%Q1_Paddy_History%

SINGLE-SELECT q106a

01 ○ Own Farm
02 ○ Other Farmer
03 ○ Trader
04 ○ Agri-Input Store
05 ○ Department of Agriculture
99 ○ Other (Specify)

Q106as. Please speicify the other source of the seed.

E `q106a==99`

TEXT q106as

Q107a. What was the yield of per acre paddy?
%Q1_Paddy_History%

I 9997 - Don't Know 9998 - Not Applicable

NUMERIC: INTEGER q107a

Q107au. Unit

E `IsAnswered(q107a) && (q107a!=9997 && q107a!=9998 && q107a!= 0)`

SINGLE-SELECT q107au

01 ○ Basket
02 ○ Sack
03 ○ Lan
04 ○ Pyi
05 ○ Viss
06 ○ Container
07 ○ Value (kyat)
99 ○ Other unit (specify)

Q107as. Please specify the unit

E `q107au==99`

TEXT q107as

Q108a. How many Viss/Pyi/Kg/Can are there in %q107au% one..?

E `(q107au==1 || q107au==2 || q107au==3 || q107au==6 || q107au==99)`

NUMERIC: DECIMAL q108a

Q108au. Unit for non-standard unit conversion....

E IsAnswered(q108a)

SINGLE-SELECT q108au

01 ○ Viss
02 ○ Pyi
03 ○ Kilogram
04 ○ Can

Q109a. Did you fertilize with cattle manure?
%Q1_Paddy_History%

SINGLE-SELECT q109a

0001 ○ Yes
0002 ○ No
9997 ○ [9997] Don't Know
9998 ○ [9998] Not Applicable

Q110a. How many bags of urea did you apply to per acre paddy ?
%Q1_Paddy_History%

I 9997 - Don't Know 9998 - Not Applicable

NUMERIC: DECIMAL q110a

Q111a. How many bags of T-super did you apply to per acre paddy
%Q1_Paddy_History%

I 9997 - Don't Know 9998 - Not Applicable

NUMERIC: DECIMAL q111a

Q112a. Did you apply pesticides to this crop?
%Q1_Paddy_History%

SINGLE-SELECT q112a

0001 ○ Yes
0002 ○ No
9997 ○ [9997] Don't know
9998 ○ [9998] Not Applicable

Q113a. Did you apply herbicides to this crop?
%Q1_Paddy_History%

SINGLE-SELECT q113a

0001 ○ Yes
0002 ○ No
9997 ○ [9997] Don't know
9998 ○ [9998] Not Applicable

Q114a. How did you harvest the paddy?
%Q1_Paddy_History%

SINGLE-SELECT q114a

0001 ○ Manually
0002 ○ Combine
0003 ○ Mechanical Reaper
9997 ○ [9997] Don't know
9998 ○ [9998] Not Applicable

Q115a. Did you obtain a loan from MADB?
%Q1_Paddy_History%

SINGLE-SELECT q115a

0001 ○ Yes
0002 ○ No
9997 ○ [9997] Don't know
9998 ○ [9998] Not Applicable

Q2. AGRICULTURAL ASSETS HISTORY (ENTIRE FARM/ ALL PARCELS)

Q200. Did you farm any crop on any agricultural parcel in the following years?

I Agricultural parcels do not include home compound.

E `(j100==1 || j200==1 || j300==1 || j400==1 || j500==1 || j600==1 || j700==1 || j800==1 || j900==1 || j1100==1 || j1200==1 || j1300==1 || j1400==1 || j1500==1 || j1600==1 || j1700==1)`

MULTI-SELECT q200

2017 ☐ 2017
2012 ☐ 2012
2007 ☐ 2007

Q2. AGRICULTURAL ASSETS HISTORY (ENTIRE FARM/ ALL PARCELS)

Roster: ASSETS HISTORY

generated by multi-select question q200 Q2_asset_history

Q201. Did you use a 2WT for land preparation on your farm? %Q2_asset_history%

SINGLE-SELECT q201

01 ○ Yes
02 ○ No
97 ○ Don't Know
98 ○ Not Applicable

Q202. Did you rent in the 2WT you used? %Q2_asset_history%

E `q201==1`

SINGLE-SELECT q202

01 ○ Yes
02 ○ No
98 ○ Not Applicable

Q203. Did you use a 4WT for land preparation on your farm? %Q2_asset_history%

SINGLE-SELECT q203

01 ○ Yes
02 ○ No
98 ○ Not Applicable

Q204. Did you rent in the 4WT you used? %Q2_asset_history%

E `q203==1`

SINGLE-SELECT q204

01 ○ Yes
02 ○ No
98 ○ Not Applicable

Q205. Did you use machinery threshing any of the crops you harvested on your farm? %Q2_asset_history%

SINGLE-SELECT q205

01 ○ Yes
02 ○ No
98 ○ Not Applicable

Q206. Did you rent in the machine used for threshing? %Q2_asset_history%

E `q205==1`

SINGLE-SELECT q206

01 ○ Yes
02 ○ No
98 ○ Not Applicable

R1A. CONSUMPTION (FOOD @ HOME, LAST 7 DAYS)

R100. How many people were living in this house during the past 7 days?

NUMERIC: INTEGER r100

R101. Have there been any unusual social events in the HH in past 7 days that caused you to spend more on food than normal? (e.g. wedding, donation of food to village, etc)

SINGLE-SELECT r101

01 ○ Yes
02 ○ No

R102. Have there been any unusual social events in the HH in past 7 days that caused you to spend lower food than normal? (e.g. fasting, lent, illness, etc)

SINGLE-SELECT r102

01 ○ Yes
02 ○ No

R103. During the past 7 days, did you or any other member of your household consume and/or donate the following food items?

MULTI-SELECT r103

0101 ☐ Rice
0102 ☐ Kaukhnyin (Sticky Rice)
0103 ☐ Other Cereals & Grains (e.g. Wheat, Corn, Millet, etc.)
0104 ☐ Noodles (All Types)
0105 ☐ Breads or Cakes
0201 ☐ Tubers/roots (e.g. Taro, Cassava, Potato, Sweet Potato)
0301 ☐ Fish/shrimp (Fresh)
0302 ☐ Fish/shrimp (Dried/Salted)
0303 ☐ Shrimp paste/ Fish Paste/ Fish Sauce
0401 ☐ Poultry meat
0402 ☐ Pork Meat
0403 ☐ Beef Meat
0404 ☐ Other Meat (Specify)
0405 ☐ Eggs
0501 ☐ Fresh milk/ Yoghurt
0502 ☐ Condensed Milk

And 44 other symbols [26]

R103s1. Please specify other meat...

E r103.Contains(404)

TEXT r103s1

R103s2. Please specify other non-leafy vegetable ....

E r103.Contains(721)

TEXT r103s2

R103s3. Please specify other fruit....

E r103.Contains(807)

TEXT r103s3

R1A. CONSUMPTION (FOOD @ HOME, LAST 7 DAYS)

Roster: FOOD ITEMS

generated by multi-select question r103

R1A_food

R104. What was the quantity of %R1A_food% consumed in the past 7 days?

NUMERIC: DECIMAL r104

SPECIAL VALUES

9997 Does not know

R104u. Unit...

E `r104!=9997`

SINGLE-SELECT `r104u`

01 ○ Kyat
02 ○ Pyi
03 ○ Tical
04 ○ Viss
05 ○ Number (of Pieces)
06 ○ Pack
07 ○ Can (Condensed Milk Size)
08 ○ Basket (16 Pyi)
09 ○ Basket (24 Pyi)
10 ○ 25 kg Bag
11 ○ 50 kg Bag
12 ○ Bundle/Bunch
13 ○ Bottle
14 ○ Litre
15 ○ Kilogram
16 ○ Gram

And 3 other symbols [27]

R104us. Specify the Other Unit.

E `r104u==99`

TEXT `r104us`

VARIABLE

`(r104u==1?"ကစ်ပ့ (တနှဖိုး)":"")+ (r104u==2?"ချပညှ":"")+ (r104u==3?"ကစ်ပ့သား":"")+ (r104u==4?"ပိစ်":"")+ (r104u==5?"အေရအတ၍က့":"")+ (r104u==6?"ထုပ့":"")+ (r104u==7?"နို့ဆီဘူး ":"")+ (r104u==8?"တင့း(ဝ၆ချပညှ)`

And 300 other symbols [3]

STRING `unit`

VARIABLE

`(r104u==99)?r104us:unit`

STRING `consump_unit`

R105. What are the sources of %r104% - %consump_unit% of %R1A_food% consumed in past 7 days?

F (@optioncode!=2 && @rowcode==1111)|| (@optioncode>=1)

MULTI-SELECT `r105`

01 ☐ Purchased
02 ☐ Home production
03 ☐ Gift

R106. How much of %r104% - %consump_unit% of %R1A_food% consumed came from purchasing?
Unit - %consump_unit%

E `r105.Contains(1) && !r105.ContainsOnly(1)`
E1 `(self<=r104) || self==9997`
M1 please check again

NUMERIC: DECIMAL `r106`

VARIABLE

`r106==9997?0:r106`

DOUBLE `consume_purchase`

R107. When was the last time you or other members of your household purchased %R1A_food%?

E `r105.Contains(1)`

SINGLE-SELECT `r107`

01 ○ Past day
02 ○ Past week
03 ○ Past 30 days
04 ○ > 30 days ago
97 ○ Don't kow

R108. What quantity of %R1A_food% was purchased last time?

E r105.Contains(1)

NUMERIC: DECIMAL r108

SPECIAL VALUES
9997 [9997] Don't know

R108u. Unit...

E IsAnswered(r108) && r108!=0 && r108!=9997

SINGLE-SELECT r108u

01 Kyat
02 Pyi
03 Tical
04 Viss
05 Number (of Pieces)
06 Pack
07 Can (Condensed Milk Size)
08 Basket (16 Pyi)
09 Basket (24 Pyi)
10 25 kg Bag
11 50 kg Bag
12 Bundle/Bunch
13 Bottle
14 Litre
15 Kilogram
16 Gram

And 3 other symbols [28]

R108s. Specify the Other Unit.

E r108u == 99

TEXT r108s

R109. How much money did you spend in total this last time?

E r105.Contains(1) && r108u!=1
E1 self>0
M1 Please check again...

NUMERIC: DECIMAL r109

SPECIAL VALUES
9997 [9997] Don't know

R109u. Unit [Kyat or Lakh Kyat]

E IsAnswered(r109) && r109!= 0 && r109!=9997
E1 (r109*(LakhtoKyatConversion[(int)self].amount))>=50 && (r109*(LakhtoKyatConversion[(int)self].amount))<=10000000
M1 Please check again...

SINGLE-SELECT r109u

01 Kyat
02 Lakh Kyat

R110. How much of %r104% - %consump_unit% of %R1A_food% consumed came from home production?
Unit - %consump_unit%

E r105.Contains(2) && !r105.ContainsOnly(2)
E1 (self<=r104) || self==9997
M1 please check again

NUMERIC: DECIMAL r110

SPECIAL VALUES
9997 [9997] Don't know

VARIABLE
r110==9997?0:r110

DOUBLE consume_own

R111. How much of %r104% %consump_unit% of %R1A_food% came from gifts?
Unit - %consump_unit%

E r105.Contains(3) && !r105.ContainsOnly(3)
E1 (self<=r104) || self==9997
M1 Please check again!

NUMERIC: DECIMAL r111

SPECIAL VALUES
9997 [9997] Don't know

VARIABLE
r111==9997?0:r111

DOUBLE consume_gift

VARIABLE
consume_purchase+consume_own+consume_gift

DOUBLE food_consumption

STATIC TEXT

E food_consumption>r104

ERROR:
Sum of food consumption come from own production and gifts (%food_consumption%) must not exceed the quantity of food consumed in the past 7 days (%r104%).

R1B CONSUMPTION (FOOD OUTSIDE, LAST 7 DAYS)

R112. In the last 7 days, has any household member consumed or provided for others any food away from home, for example in a teashop, a friend's house, from an employer or a government program?

SINGLE-SELECT r112
01 ○ Yes
02 ○ No

R113. During the past 7 days did you or any other member of your household consume and/or provide for others the following meals away from home?

E r112==1

MULTI-SELECT r113
01 ☐ Breakfast
02 ☐ Lunch
03 ☐ Dinner
04 ☐ Other meals (including snacks, drinks, etc.)

R114. How much did your household spend in total on Breakfast eaten away from home during the past 7 days?
KYAT

E r113.Contains(1)

NUMERIC: INTEGER r114

R115. How much did your household spend in total on Lunch eaten away from home during the past 7 days?
KYAT

E r113.Contains(2)

NUMERIC: INTEGER r115

R116. How much did your household spend in total on Dinner eaten away from home during the past 7 days?
KYAT

E r113.Contains(3)

NUMERIC: INTEGER r116

R117. How much did your household spend in total on Other Meals eaten away from home during the past 7 days?
KYAT

E r113.Contains(4)

NUMERIC: INTEGER r117

VARIABLE r114.HasValue?r114:0	DOUBLE breakfast
VARIABLE r115.HasValue?r115:0	DOUBLE lunch
VARIABLE r116.HasValue?r116:0	DOUBLE dinner
VARIABLE r117.HasValue?r117:0	DOUBLE other meal
VARIABLE (breakfast==9997 || lunch==9997 || dinner==9997 || other_meal==9997)?9997: breakfast+lunch+dinner+other_meal	DOUBLE total_food_exp_7days

STATIC TEXT

E total_food_exp_7days!=9997

Your household's total expenditure for food in past 7 days is %total_food_exp_7days% - KYAT.

STATIC TEXT

E total_food_exp_7days==9997

Your household's total expenditure for food in past 7 days cannot be calculated.

R2. EXPENDITURES ON HOUSEHOLD CONSUMABLES, PAST 30 DAYS

R201. Did your household acquire the following items in the past 30 days?	MULTI-SELECT: YES/NO r201 101 ☐ / ☐ Firewood/Charcoal 102 ☐ / ☐ Diesel/Gas/Kerosene 103 ☐ / ☐ Electricity 104 ☐ / ☐ Candles 105 ☐ / ☐ Other Energy for Household Use (Specify) 110 ☐ / ☐ Toothpaste 111 ☐ / ☐ Soap, Shampoo, Detergent 112 ☐ / ☐ Haircut, Hairdressing, Beauty Palor Services 113 ☐ / ☐ Thanaka 114 ☐ / ☐ Other Personal Care (Specify) 120 ☐ / ☐ House cleaning products 121 ☐ / ☐ Cell phone credit/Internet 122 ☐ / ☐ Local daily transport 123 ☐ / ☐ Water (drinking or other) 124 ☐ / ☐ Other non-food consumable (Specify) 130 ☐ / ☐ Traditional Medicine And 2 other symbols [29]
R201s1. Please specify other energy for household use.... E r201.Yes.Contains(105)	TEXT r201s1 .....
R201s2. Please specify other personal care... E r201.Yes.Contains(114)	TEXT r201s2 .....

R201s3. Please specify other non-food consumable...

E r201.Yes.Contains(124)

TEXT r201s3

R201s4. Please specify other health care...

E r201.Yes.Contains(132)

TEXT r201s4

R2. EXPENDITURES ON HOUSEHOLD CONSUMABLES, PAST 30 DAYS

Roster: ROSTER

generated by multi-select question r201

R2_30days_item

R202. How much was spent to purchase %R2_30days_item% in the past 30 days?

NUMERIC: DECIMAL r202

SPECIAL VALUES

9997 [9997] Don't know

R202u. Unit [Kyat or Lakh Kyat]

E IsAnswered(r202) && r202>0 && r202!=9997

E1 (r202*(LakhtoKyatConversion[(int)self].amount))>=50 && (r202*(LakhtoKyatConversion[(int)self].amount))<=100000000

M1 Please check again...

SINGLE-SELECT r202u

01 ○ Kyat

02 ○ Lakh Kyat

VARIABLE

r202==9997?0:r202*(LakhtoKyatConversion[(int)r202u].amount)

DOUBLE spent_30days

VARIABLE

R2_30days_item.Sum(x=>x.spent_30days)

DOUBLE exp_30days

VARIABLE

exp_30days/100000

DOUBLE exp_30days_lakh

STATIC TEXT

E exp_30days>0 && exp_30days<100000

Your household expenditure in past 30 days is %exp_30days% - KYAT.
The item(s) you answered as "[9997]-Don't know" cannot be included in this calculation.

STATIC TEXT

E exp_30days>=100000

Your household expenditure in past 30 days is %exp_30days_lakh% - LAKH.
The item(s) you answered as "[9997]-Don't know" cannot be included in this calculation.

R3. EXPENDITURES ON HOUSEHOLD CONSUMABLES IN THE PAST 12 MONTHS

R301. Did your household acquire the following items in the past 12 months?

MULTI-SELECT: YES/NO r301

201 ☐ / ☐ Clothing - Men
202 ☐ / ☐ Clothing - Women
203 ☐ / ☐ Clothing - Children
204 ☐ / ☐ Footwear
205 ☐ / ☐ House rental fees
206 ☐ / ☐ House purchase/ construction
207 ☐ / ☐ House repair
208 ☐ / ☐ Taxes, house
209 ☐ / ☐ Non-electric kitchen durables (pots, pans, bowls, plates etc)
210 ☐ / ☐ Furniture
211 ☐ / ☐ Bicycle / motorbike / other vehicle
212 ☐ / ☐ School (including training) fees/ transportation costs/ boarding costs/ exams / student festival activities/ Allowance or lunch money for pupils,students/ Text books and supplies
213 ☐ / ☐ Private tutoring
214 ☐ / ☐ Other education costs (Specify)
215 ☐ / ☐ Long distance travel
216 ☐ / ☐ Mobile phone/tablet/computer

And 7 other symbols [30]

R301s1. Please specify the other education cost...

E r301.Yes.Contains(214)

TEXT r301s1

R301s2. Please specify the other electrical goods...

E r301.Yes.Contains(219)

TEXT r301s2

R301s3. Please specify big purchase or expense...

E r301.Yes.Contains(223)

TEXT r301s3

R3. EXPENDITURES ON HOUSEHOLD CONSUMABLES IN THE PAST 12 MONTHS

Roster: EXPENDITURES ON HOUSEHOLD CONSUMABLES IN THE PAST 12 MONTHS

generated by multi-select question r301 R3_12Monthsitem

R302. How much was spent in total for %R3_12Monthsitem% in the past 12 months?

NUMERIC: DECIMAL r302

SPECIAL VALUES
9997 [9997] Don't know

R302u. Unit [Kyat or Lakh Kyat]

E IsAnswered(r302) && r302>0 && r302!=9997
E1 (r302*(LakhtoKyatConversion[(int)self].amount))>=100 && (r302*(LakhtoKyatConversion[(int)self].amount))<=10000000000
M1 Please check the unit again.

SINGLE-SELECT r302u

01 ○ Kyat
02 ○ Lakh Kyat

VARIABLE

r302==9997?0:r302*(LakhtoKyatConversion[(int)r302u].amount)

DOUBLE spent_12months

VARIABLE R3_12Monthsitem.Sum(x=>x.spent_12months)	DOUBLE exp_12months
VARIABLE exp_12months/100000	DOUBLE exp_12months_lakh

STATIC TEXT

E exp_12months>0 && exp_12months<100000

Your household expenditure in past 12 months is %exp_12months% - KYAT.
The item(s) you answered as "[9997]-Don't know" cannot be included in this calculation.

STATIC TEXT

E exp_12months>=100000

Your household expenditure in past 12 months is %exp_12months_lakh% - LAKH.
The item(s) you answered as "[9997]-Don't know" cannot be included in this calculation.

END OF INTERVIEW

GPS I Record the GPS location by standing in front of the house after interview	GPS gps N W A
End of Interview	DATE: CURRENT TIME end

APPENDIX A — ENABLING CONDITIONS

[1] j005: J005.How much %J1_r_major_crops% did you sell in the last 12 months?
Enablement Condition:

```
IsAnswered(j002) && (j002!=9998 &&  j002!= 0 && j002!=9991)  &&
@rowcode != 3 && @rowcode != 4  &&
((@rowcode==1 && j102_1!=1) ||
(@rowcode==2 && j102_2!=1) ||
(@rowcode==5 && j302_1!=1)  ||
(@rowcode==6 && j302_2!=1) ||
(@rowcode==7 && j302_3!=1) ||
(@rowcode==8 && j302_4!=1)||
(@rowcode==9 || @rowcode==10 || @rowcode==11 || @rowcode==12 || @rowcode==13 || @rowcode==199 ||
@rowcode==14 || @rowcode==15 || @rowcode==16 || @rowcode==17 || @rowcode==18 ||
@rowcode==19 || @rowcode==20 || @rowcode==21 || @rowcode==22 || @rowcode==23 ||
@rowcode==24 || @rowcode==25 || @rowcode==26 || @rowcode==27 || @rowcode==28 ||
@rowcode==29 || @rowcode==30 || @rowcode==31 || @rowcode==32 || @rowcode==33 ||
@rowcode==34 || @rowcode==35 || @rowcode==36 || @rowcode==37 || @rowcode==499 ||
@rowcode==38 || @rowcode==39 || @rowcode==299 || @rowcode==40 || @rowcode==41 ||
@rowcode==42 || @rowcode==43 || @rowcode==44 || @rowcode==45 || @rowcode==46 ||
@rowcode==47 || @rowcode==48 || @rowcode==49 || @rowcode==50 || @rowcode==51 ||
@rowcode==52 || @rowcode==399
))
```

[2] : Crops
Enablement Condition:

```
(@rowcode == 1 && (j101.Contains(1)))||
(@rowcode == 2 && (j101.Contains(2))) ||
(@rowcode == 5 && (j301.Contains(1))) ||
(@rowcode == 6 && (j301.Contains(2))) ||
(@rowcode == 3 && (j202== 2 || j202== 3)) ||
(@rowcode == 4 && (j203== 2 || j203== 3)) ||
(@rowcode == 7 && (j301.Contains(3))) ||
(@rowcode == 8 && (j302_4 == 2 || j302_4 == 3)) ||
(@rowcode == 9 && (j402_1 == 2 || j402_1 == 3)) ||
(@rowcode == 10 && (j402_2 == 2 || j402_2 == 3)) ||
(@rowcode == 11 && (j402_3 == 2 || j402_3 == 3)) ||
(@rowcode == 12 && (j402_4 == 2 || j402_4 == 3)) ||
(@rowcode == 13 && (j402_5 == 2 || j402_5 == 3)) ||
(@rowcode == 133 && (j402_6 ==2 || j402_6 == 3)) ||
(@rowcode == 99 && (j402_99 == 2 || j402_99 == 3)) ||
(@rowcode == 14 && (j502_1 == 2 || j502_1 == 3)) ||
(@rowcode == 15 && (j502_2 == 2 || j502_2 == 3)) ||
(@rowcode == 16 && (j502_3 == 2 || j502_3 == 3)) ||
(@rowcode == 17 && (j602 == 2 || j602 == 3)) ||
(@rowcode == 18 && (j702 == 2 || j702 == 3)) ||
(@rowcode == 19 && (j802_1 == 2 || j802_1 == 3)) ||
(@rowcode == 20 && (j802_2 == 2 || j802_2 == 3)) ||
(@rowcode == 21 && (j802_3 == 2 || j802_3 == 3)) ||
(@rowcode == 22 && (j802_4 == 2 || j802_4 == 3)) ||
(@rowcode == 23 && (j802_5 == 2 || j802_5 == 3)) ||
(@rowcode == 24 && (j802_6 == 2 || j802_6 == 3)) ||
(@rowcode == 25 && (j902_1 == 2 || j902_1 == 3)) ||
(@rowcode == 26 && (j902_2 == 2 || j902_2 == 3)) ||
(@rowcode == 27 && (j902_3 == 2 || j902_3 == 3)) ||
(@rowcode == 28 && (j1102_1 == 2 || j1102_1 == 3)) ||
(@rowcode == 29 && (j1102_2 == 2 || j1102_2 == 3)) ||
(@rowcode == 30 && (j1102_3 == 2 || j1102_3 == 3)) ||
(@rowcode == 31 && (j1102_4 == 2 || j1102_4 == 3)) ||
(@rowcode == 32 && (j1102_5 == 2 || j1102_5 == 3)) ||
(@rowcode == 33 && (j1102_6 == 2 || j1102_6 == 3)) ||
(@rowcode == 34 && (j1102_7 == 2 || j1102_7 == 3)) ||
(@rowcode == 35 && (j1102_8 == 2 || j1102_8 == 3)) ||
(@rowcode == 36 && (j1102_9 == 2 || j1102_9 == 3)) ||
(@rowcode == 37 && (j1102_10 == 2 || j1102_10 == 3)) ||
(@rowcode == 499 && (j1102_99== 2 || j1102_99 == 3)) ||
(@rowcode == 38 && (j1202_1 == 2 || j1202_1 == 3)) ||
(@rowcode == 39 && (j1202_2 == 2 || j1202_2 == 3)) ||
(@rowcode == 29 && (j1202_99 == 2 || j1202_99 == 3)) ||
(@rowcode == 40 && (j1302 == 2 || j1302 == 3)) ||
(@rowcode == 41 && (j1402 == 2 || j1402 == 3)) ||
(@rowcode == 42 && (j1502_1 == 2 || j1502_1 == 3)) ||
(@rowcode == 43 && (j1502_2 == 2 || j1502_2 == 3)) ||
(@rowcode == 44 && (j1502_3 == 2 || j1502_3 == 3)) ||
(@rowcode == 45 && (j1502_4 == 2 || j1502_4 == 3)) ||
(@rowcode == 46 && (j1502_5 == 2 || j1502_5 == 3)) ||
(@rowcode == 47 && (j1502_6 == 2 || j1502_6 == 3)) ||
(@rowcode == 48 && (j1502_7 == 2 || j1502_7 == 3)) ||
(@rowcode == 49 && (j1602_1 == 2 || j1602_1 == 3)) ||
(@rowcode == 50 && (j1602_2 == 2 || j1602_2 == 3)) ||
(@rowcode == 51 && (j1702_1 == 2 || j1702_1 == 3)) ||
(@rowcode == 52 && (j1702_2 == 2 || j1702_2== 3)) ||
(@rowcode == 399 && (j1702_99 == 2 || j1702_99 == 3))
```

[3] : Tasks for Machine, Animal, and Labor on Sample Parcel
Enablement Condition:

```
((@rowcode==1 || @rowcode==2 || @rowcode==3 || @rowcode==4) &&
```

```
(m100.Yes.Contains(1) || m100.Yes.Contains(2)) ) ||
(@rowcode==5 && m100.Yes.Contains(1) ) ||
(@rowcode==6 && m100.Yes.Contains(1) ) ||
(@rowcode==7 && m100.Yes.Contains(2) ) ||
(@rowcode==8 && m100.Yes.Contains(2) )
```

APPENDIX B — VALIDATION CONDITIONS AND MESSAGES

[1] ea: A007. Ennumeration area code
Validation Condition:

```
self.InRange(0,999) && (
(a004==2 && (self.InRange(1,16)|| self.InRange(71,77)))||
(a004==3 && self.InRange(17,20)) ||
(a004==6 && self.InRange(21,32)) ||
(a004==7 && self.InRange(91,96)) ||
(a004==1 && self.InRange(43,58)) ||
(a004==5 && self.InRange(97,100)) ||
(a004==4 && self.InRange(81,90)) ||
(a004==8 && self.InRange(65,70)) ||
(a004==9 && (self.InRange(33,42)|| self.InRange(78,80)))||
(a004==10 && self.InRange(59,64)))
```

Validation Message: This code does not correspond to an EA in the selected township.

[2] a204: A204. What is %A2_hh_member%'s relationship to %head% [Household Head]?
 The first person in the roster must be the household head.
If the first person selected is not Household Head, please return to question A201 and change answer.
Validation Condition:

```
/// Checks only one household head is listed
self==1? /// Is this person the household head?
 /// If household head, check that there has
 /// not been another household head reported
 (A2_hh_member.Count(x=>x.a204==1)==1)
 /// If not a household head, then no error
 :true
```

Validation Message: There must be only one person in the household designated as head.
Validation Condition:

```
/// This code checks that the head and his/her spouse are not of the same gender
(a204== 1 && (A2_hh_member.Count (x=>x.a204==2 && x.a203== a203) ==0)) ||
(a204== 2 &&  (A2_hh_member.Count (x=>x.a204==1 && x.a203 ==a203) ==0)) ||
(a204 >2 || a204 == null)
```

Validation Message: It is unlikely that the head and his/her spouse have the same sex. Please confirm.

[3] j202_1: J202_1. What happened to the monsoon maize harvested from all parcels?
Validation Condition:

```
self.ContainsAny(4,5,6,7)||
self.Contains(1) && !self.ContainsAny (2,3)&& self.ContainsAny(4,5,6,7) ||
self.Contains(1) && !self.ContainsAny(4,2,3,5,6,7) ||
self.ContainsOnly(1,2)  && self.ContainsAny(4,5,6,7) ||
self.ContainsOnly(1,2)  && !self.ContainsAny(4,3,5,6,7) ||
self.ContainsOnly(2,1,3) && self.ContainsAny(4,5,6,7) ||
self.ContainsOnly(2,1,3) && !self.ContainsAny(4,5,6,7)
```

Validation Message: If there is only one sale, you must choose the first one. If there are two sales, you must choose the first and second sale. If t here are three sales, choose all of them.

APPENDIX C — INSTRUCTIONS

[1] j211_2: J211_2. How much did you spend on transport to the point of sale?
If the household paid the transportation fee for the maize and pigeon pea together and don't know the part for pigeon pea, put "9996" here and put the total amount in the maize section above. Put 9997 if Don't Know

APPENDIX D — OPTIONS

[1] a206: A206. What is %A2_hh_member%'s ethnicity?
Options: 1:Shan, 2:Pa-O, 3:Burmese, 4:Danu, 5:Taungyoe, 6:Kayan, 7:Kayah, 8:Innthar, 9:Lahu, 10:Akha, 11:Palaung(Ta'ang), 12:Kayin, 13:Wa, 14:Kokang, 15:Chinese, 16:Tamil/ other south asian, 17:Mixed, 18:Li Sue, 19:Yinn, 20:Chin, 97:Do Not Know, 99:Other (specify)

[2] a206m: A206m. What are %A2_hh_member%'s two ethnicities? (max. 2 answers)
Options: 1:Shan, 2:Pa-O, 3:Burmese, 4:Danu, 5:Taungyoe, 6:Kayan (Karenni), 7:Innthar, 8:Lahu, 9:Akha, 10:Palaung(Ta'ang), 11:Kayin, 12:Wa, 13:Kokang, 14:Chinese, 15:Tamil/ other south asian, 16:Li Sue, 17:Yinn, 99:Other (specify)

[3] a208: A208. What is the highest grade %A2_hh_member% has completed?
Options: 0:Kinder, 1:Standard 1, 2:Standard 2, 3:Standard 3, 4:Standard 4, 5:Standard 5, 6:Standard 6, 7:Standard 7, 8:Standard 8, 9:Standard 9, 10:Standard 10, 11:Under graduate, 12:Bachelor degree, 13:Post graduate degree, 66:Other non-gov education (Monastic education, etc.,), 96:Never attended school, 97:Don't know

[4] c104: C104. Why did %C1_migration% migrate the most recent time? Rank in order for FIRST and SECOND reasons
Options: 1:No/not enough agricultural land, 2:For higher salary, 3:Not willing to work farm job, 4:Income low/not enough, 5:Farming not profitable enough, 6:Not physically strong enough to do farm job, 7:Unable to find enough work at home, 8:Slack season, 9:Not enough food, 10:Pay for education/healthcare, 11:Pay off debt, 12:For adventure, 13:To gain new skills, 14:For professional work in accordance with one's expertise, 15:Government assignment, 16:To improve standard of living, 17:Social Pressure, 98:Not Applicable, 99:Other (Specify)

[5] c110: C110. For what reason did %C1_migration% return? Rank in order for FIRST and SECOND reason
Options: 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, 18:Inadequate housing, 19:Deported, 20:Earned less than expected or desired, 21:Retired, 99:Other (Specify)

[6] c122: C122. What was the main occupation of %C1_migration% prior to their first migration?
Options: 1:Agricultural farmer (Own farm), 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, 15:Other company staff, 97:Don't know, 98:Not Applicable, 99:Other (Specify)

[7] c123: C123. What was the main occupation of %C1_migration% at that destination (occupation during the last migration)?
Options: 1:Agricultural worker, 2:Garments factory worker, 3:Other factory worker, 4:Domestic staff, 5:Waiter/shop worker/other service sector worker, 6:Construction worker, 7:Government job, 8:Trading, 9:Mining, 10:Natural resource extraction, 11:Porter, 12:Fishing/seaman, 13:Painter/carpenter/mason, 14:Other casual non-farm work, 15:Other company staff, 16:Other Self employed business, 97:Don't Know, 99:Other (Specify)

[8] c207: C207. How the remittances, money, or goods received during the last 12 months were used?
List the first, second, and third most important uses by value.
Options: 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, 99:Other (Specify)

[9] d301: D301. Did any member of the household engage in the following in the last 12 months?
Options: 1:Dry goods shop, 2:Grocery vendor, 3:Crop trading business, 4:Other trading business (Specify), 5:Tailoring/Dressmaking, 6:Motorcycle taxi service/Motorbike rental, 7:Car/truck/boat/tralarjee rental, 8:Betel nut kiosk owner, 9:Teashop/Restaurant, 10:Selling snacks/drinks, 11:Oil milling, 12:Rice milling, 13:Other food processing business (specify), 14:Carpentry/metalwork/ mechanic, 15:Construction business, 16:Hairdresser/barber/beauty salon, 17:Electronic goods sales/services/repair, 18:Professional services (lawyer, Dr. etc), 19:Crafts or artisan activities (e.g. weaver), 20:Land speculation business, 21:Brickmaking, 22:2-wheel tractor rental service, 23:4-wheel tractor rental service, 24:Combine harvester, 25:Thresher rental service, 26:Generator rental, 27:Pump rental, 28:Draft animal rental, 99:Other (Specify), 29:None of these

[10] e101: E101. Which of the following assets does the household own at present?
Options: 1:Cow/Oxen (draft animal), 2:Buffalo (draft animal), 3:Tractor (2 wheel), 4:Tractor (4 wheel), 5:Combine harvester, 6:Reaper, 7:Mechanical thresher (paddy/pulses), 8:Power seeder for Maize, 9:Maize thresher, 10:Rice mill (huller), 11:Oil mill, 111:Sugarcane mill machine, 12:Trawlarjee, 13:Diesel or Petrol engine / generator, 14:Surface water pump (agri), 15:Ground water pump (agri), 20:Motorbike, 21:Car, 22:Truck, 23:Bicycle, 24:Trishaw, 25:Three-wheeled motor vehicle, 26:Boat (non-motorized), 27:Boat (motorized), 30:Solar panel + Battery, 31:Cell phone, 32:None of these

[11] j002u: J002u. Unit
Options: 1:Viss, 2:Pyi, 3:Kilogram, 4:Can, 5:Sack, 6:Ton, 7:Container, 17:Barrel, 8:Basket, 9:Lan, 10:Number (of pieces), 11:Number (of plants), 12:Number (of times), 13:Value (kyat), 14:Bundle, 15:Bunch, 16:Hand (of bananas), 99:Other unit (specify)

[12] j005u: J005u. Unit
Options: 1:Viss, 2:Pyi, 3:Kilogram, 4:Can, 5:Sack, 6:Ton, 7:Container, 17:Barrel, 8:Basket, 9:Lan, 10:Number (of pieces), 11:Number (of plants), 12:Number (of times), 13:Value (kyat), 14:Bundle, 15:Bunch, 16:Hand (of bananas), 99:Other unit (specify)

[13] j208_1: J208_1. Where was this buyer located?
Options: 1:This village, 2:This or nearby village tract, 3:Taungyi City, 4:Aye Thar Yar Town, 5:Aung Ban town, 6:Hopong town, 7:Moe Bye (Nyaung Shwe), 8:Hsiseng town, 9:Laikha town, 10:Langkho town, 11:Namsang town, 12:Pindaya town, 13:Lawksawk town, 14:Hsipaw town, 15:Kyaukme town, 16:Hseni town, 17:Lashio city, 18:Muse City, 19:Moe Bye (Pe Kon), 20:Mandalay, 21:Yangon, 99:Other (Specify)

[14] j209_1: J209_1. What is the buyer's ethnicity?
Options: 1:Shan, 2:Pa-O, 3:Burmese, 4:Danu, 5:Taungyoe, 6:Kayan, 7:Kayah, 8:Innthar, 9:Lahu, 10:Akha, 11:Palaung(Ta'ang), 12:Kayin, 1

3:Wa, 14:Kokang, 15:Chinese, 16:Tamil/ other south asian, 17:Mixed, 18:Li Sue, 19:Yinn, 97:Do Not Know, 99:Other (specify)

[15] j208_2: J208_2. Where was this buyer located?
Options: 1:This village, 2:This or nearby village tract, 3:Taungyi City, 4:Aye Thar Yar Town, 5:Aung Ban town, 6:Hopong town, 7:Moe Bye (Ny aung Shwe), 8:Hsiseng town, 9:Laikha town, 10:Langkho town, 11:Namsang town, 12:Pindaya town, 13:Lawksawk town, 14:Hsipaw town, 15 :Kyaukme town, 16:Hseni town, 17:Lashio city, 18:Muse City, 19:Moe Bye (Pe Kon), 20:Mandalay, 21:Yangon, 99:Other (Specify)

[16] j209_2: J209_2. What is the buyer's ethnicity?
Options: 1:Shan, 2:Pa-O, 3:Burmese, 4:Danu, 5:Taungyoe, 6:Kayan, 7:Kayah, 8:Innthar, 9:Lahu, 10:Akha, 11:Palaung(Ta'ang), 12:Kayin, 1 3:Wa, 14:Kokang, 15:Chinese, 16:Tamil/ other south asian, 17:Mixed, 18:Li Sue, 19:Yinn, 97:Do Not Know, 99:Other (specify)

[17] m101: M101. What variety of seed did you plant in the sample parcel - %sp_name% for %M1_crop% during the past 12 months?
Options: 1:CP 888, 2:CP 888 (3G), 3:CP 888 (F), 4:CP 808, 5:CP 301, 6:CP 201, 7:CP 111, 8:CP M100, 9:Golden Tiger 029, 10:Thai 333, 11:T hai Gold, 12:Super 981, 13:Armo 339, 14:Armo 288, 15:Armo 5005, 16:Awba (Syngenta) 621, 17:SC 709, 18:GT 722, 19:TP1, 20:Yezin 10, 2 1:Yezin 11, 22:Than Te, 23:Local variety (maize), 24:Yezin 1, 25:Yezin 2, 26:Yezin 6, 27:Kywe Shan Shwe Dingar, 28:Ngar San Pae, 29:Local variety (Yellow), 30:Local variety (Red), 31:Local Variety (White), 99:Other (Specify company & number, if applicable), 97:Don't know

[18] o102: O102. What was the main maize variety used on sample parcel - %sp_name% in 2012?
Options: 1:CP 888, 2:CP 888 (3G), 3:CP 888 (F), 4:CP 808, 5:CP 301, 6:CP 201, 7:Golden Tiger 029, 8:Thai 333, 9:Thai Gold, 10:Super 981, 1 1:Armo 339, 12:Armo 288, 13:Armo 5005, 14:Awba (Syngenta) 621, 15:SC 709, 16:GT 722, 17:TP1, 18:Yezin 10, 19:Yezin 11, 20:Than Te, 2 1:Local variety, 99:Other (Specify company & number, if applicable)

[19] o104: O104. What was the main maize variety used on sample parcel - %sp_name% in 2007?
Options: 1:CP 888, 2:CP 888 (3G), 3:CP 888 (F), 4:CP 808, 5:CP 301, 6:CP 201, 7:Golden Tiger 029, 8:Thai 333, 9:Thai Gold, 10:Super 981, 1 1:Armo 339, 12:Armo 288, 13:Armo 5005, 14:Awba (Syngenta) 621, 15:SC 709, 16:GT 722, 17:TP1, 18:Yezin 10, 19:Yezin 11, 20:Than Te, 2 1:Local variety, 99:Other (Specify company & number, if applicable)

[20] b103_1: B103_1. What is/was the highest level of formal education completed by %head%'s father?
Options: 0:Kinder, 1:Standard 1, 2:Standard 2, 3:Standard 3, 4:Standard 4, 5:Standard 5, 6:Standard 6, 7:Standard 7, 8:Standard 8, 9:Stand ard 9, 10:Standard 10, 11:Undergraduate, 12:Bachelor degree, 13:Post graduate degree, 66:Other non-gov education (Monastic education, e tc.,), 96:Never attended school, 9997:Don't know

[21] b103_2: B103_2. What is/was the highest level of formal education completed by %head%'s mother/guardian ?
Options: 0:Kinder, 1:Standard 1, 2:Standard 2, 3:Standard 3, 4:Standard 4, 5:Standard 5, 6:Standard 6, 7:Standard 7, 8:Standard 8, 9:Stand ard 9, 10:Standard 10, 11:Undergraduate, 12:Bachelor degree, 13:Post graduate degree, 66:Other non-gov education (Monastic education, e tc.,), 96:Never attended school, 9997:Don't know

[22] b103_3: B103_3. What is/was the highest level of formal education completed by the %head%'s spouse's father/guardian..
Options: 0:Kinder, 1:Standard 1, 2:Standard 2, 3:Standard 3, 4:Standard 4, 5:Standard 5, 6:Standard 6, 7:Standard 7, 8:Standard 8, 9:Stand ard 9, 10:Standard 10, 11:Undergraduate, 12:Bachelor degree, 13:Post graduate degree, 66:Other non-gov education (Monastic education, e tc.,), 96:Never attended school, 9997:Don't know

[23] b103_4: B103_4. What is/was the highest level of formal education completed by %head%'s spouse's mother/guardian
Options: 0:Kinder, 1:Standard 1, 2:Standard 2, 3:Standard 3, 4:Standard 4, 5:Standard 5, 6:Standard 6, 7:Standard 7, 8:Standard 8, 9:Stand ard 9, 10:Standard 10, 11:Undergraduate, 12:Bachelor degree, 13:Post graduate degree, 66:Other non-gov education (Monastic education, e tc.,), 96:Never attended school, 9997:Don't know

[24] i402: I402. Reason for Disposed Parcel %I4_disposed_parcel%
Options: 1:Sold due to debt related to maize production, 2:Sold due to debt related to other agricultural production, 3:Sold due to unrelated to agriculture, 4:Sold due to dispute, 5:Sold to fund investment, 6:Sold to fund migration, 7:Sold to fund purchase of house or other large assets, 8:Sold to pay for medical care, 9:Sold following inheritance, 10:Sold as insufficent labor to farm, 11:Sold as land of poor quality or Too far awa y, 12:Lost due to erosion/landslide, 13:Given to family member, 14:Religious donation, 15:Confiscated by authorities, 16:Grabbed by private i ndividual, 99:Other (Specify)

[25] i409: I409. What is the Disposed Parcel %I4_disposed_parcel%'s use now?
Options: 1:Residence, 2:Low land, 3:Ya crop land, 4:Orchard, 5:Mining/quarrying, 6:Other agricultural land (specify), 7:Uncultivated, 8:Pastu re, 9:Business/shop, 10:Pond, 11:Bamboo garden, 12:Tree plantation, 13:Public good (road etc.,), 14:Private industry, 15:Monastery/ Pagod a, 97:Don't know, 99:Other (Specify)

[26] r103: R103. During the past 7 days, did you or any other member of your household consume and/or donate the following food items?
Options: 101:Rice, 102:Kaukhnyin (Sticky Rice), 103:Other Cereals & Grains (e.g. Wheat, Corn, Millet, etc.), 104:Noodles (All Types), 105:Bread s or Cakes, 201:Tubers/roots (e.g. Taro, Cassava, Potato, Sweet Potato), 301:Fish/shrimp (Fresh), 302:Fish/shrimp (Dried/Salted), 303:Shrimp paste/ Fish Paste/ Fish Sauce, 401:Poultry meat, 402:Pork Meat, 403:Beef Meat, 404:Other Meat (Specify), 405:Eggs, 501:Fresh milk/ Yoghur t, 502:Condensed Milk, 503:Baby Formula, 601:Boiled Peas/ Beans, Chick Pea, 602:Peanut/ Sunflower Seed, 603:Tofu, 604:Fermented Soybe an Cake (Dry), 701:Water leaf, 702:Mustard (including Fermented Mustard), 703:Gourd Leaf and other leafy vegetables, 704:Eggplant, 705:C ucumber, 706:Gourds and Pumpkins, 707:Onions, 708:Tomato, 709:Cabbage/ Cauliflower, 710:Carrots, 711:Fresh Chilies, 712:Dry Chilies, 7 13:Garlic(including Garlic Bud), 714:Bamboo Shoot, 715:Fermented Tea Leaves, 716:Ginger, 717:Long bean, 718:Other Non-Leafy Vegetable (Specify), 801:Bananas, 802:Papaya, 803:Mangoes, 804:Lemon/ Lime, 805:Avocado, 806:Orange, 807:Other Fruit (Specify), 901:Palm oil, 90 2:Peanut/ Sesame/ Sunflower/ Niger oil, 1001:Sugar/ Jaggery, 1002:Dried Tea Leaves, 1101:Betel Leaf Pack, 1102:Tobacco Products, 1103:C offee Mix/ Tea Mix/ Milk powder, 1104:Purified Water, 1105:Soft Drinks, 1106:Rice Whisky, 1107:Rice Wine, 1108:Beer & Other Alcoholic Bev erages, 1109:Snacks or Ready-made Food (Potato Chips, Instant Noodles etc.), 1110:Prepared Food Purchased to Eat at Home

[27] r104u: R104u. Unit...
Options: 1:Kyat, 2:Pyi, 3:Tical, 4:Viss, 5:Number (of Pieces), 6:Pack, 7:Can (Condensed Milk Size), 8:Basket (16 Pyi), 9:Basket (24 Pyi), 10:25 kg Bag, 11:50 kg Bag, 12:Bundle/Bunch, 13:Bottle, 14:Litre, 15:Kilogram, 16:Gram, 17:Serving, 18:Hand (of bananas), 99:Other (Specify)

[28] r108u: R108u. Unit...
Options: 1:Kyat, 2:Pyi, 3:Tical, 4:Viss, 5:Number (of Pieces), 6:Pack, 7:Can (Condensed Milk Size), 8:Basket (16 Pyi), 9:Basket (24 Pyi), 10:25

kg Bag, 11:50 kg Bag, 12:Bundle/Bunch, 13:Bottle, 14:Litre, 15:Kilogram, 16:Gram, 17:Serving, 18:Hand (of bananas), 99:Other (Specify)

[29] r201: R201. Did your household acquire the following items in the past 30 days?

Options: 101:Firewood/Charcoal, 102:Diesel/Gas/Kerosene, 103:Electricity, 104:Candles, 105:Other Energy for Household Use (Specify), 110:Toothpaste, 111:Soap, Shampoo, Detergent, 112:Haircut, Hairdressing, Beauty Palor Services, 113:Thanaka, 114:Other Personal Care (Specify), 120:House cleaning products, 121:Cell phone credit/Internet, 122:Local daily transport, 123:Water (drinking or other), 124:Other non-food consumable (Specify), 130:Traditional Medicine, 131:Medicine obtained with prescription, Cold remedies, Vitamins, Bandages, Contraception etc, 132:Other Health Care (Specify)

[30] r301: R301. Did your household acquire the following items in the past 12 months?

Options: 201:Clothing - Men, 202:Clothing - Women, 203:Clothing - Children, 204:Footwear, 205:House rental fees, 206:House purchase/ construction, 207:House repair, 208:Taxes, house, 209:Non-electric kitchen durables (pots, pans, bowls, plates etc), 210:Furniture, 211:Bicycle / motorbike / other vehicle, 212:School (including training) fees/ transportation costs/ boarding costs/ exams / student festival activities/ Allowance or lunch money for pupils,students/ Text books and supplies, 213:Private tutoring, 214:Other education costs (Specify), 215:Long distance travel, 216:Mobile phone/tablet/computer, 217:Entertainment equipment (TV, DVD, Kareoke, HiFi, etc.), 218:Household electrical goods (Rice cooker/Fridge/Fan etc.), 219:Other electrical goods (Specify), 220:In-patient care at health facility (e.g. hospital stay/ doctors' fees / tests, medicine), 221:Transportation costs for in-patient care, 222:Donations for Special Events (weddings, ordinations, funerals etc.), 223:Other big purchase or expense (specify)

APPENDIX E — VARIABLES

[1] sp_name:

((selectedParcel_p1!=null?selectedParcel_p1:"")+ ((selectedParcel_p2!=null && selectedParcel_p1==null)?selectedParcel_p2:"")+ ((selectedParcel_p3!=null && selectedParcel_p1==null && selectedParcel_p2==null)?selectedParcel_p3:"")+ ((selectedParcel_p4!=null && selectedParcel_p1==null && selectedParcel_p2==null && selectedParcel_p3==null)?selectedParcel_p4:"")+ ((selectedParcel_p5!=null && selectedParcel_p1==null && selectedParcel_p2==null && selectedParcel_p3==null && selectedParcel_p4==null)?selectedParcel_p5:""))

[2] flag:

(@rowcode==1?true:false)|| (@rowcode==2?true:false)|| (@rowcode==6?true:false)|| (@rowcode==7?true:false)|| (@rowcode==8?true:false)|| (@rowcode==9?true:false)|| (@rowcode==10?true:false)|| (@rowcode==99?true:false)

[3] unit:

(r104u==1?"ကစ်ပ့(တနှဖိုး)":"")+ (r104u==2?"ချပညှ":"")+ (r104u==3?"ကစ်ပ့သား":"")+ (r104u==4?"ပိဆ်":"")+ (r104u==5?"အေရအတ[illegible]ကှ":"")+ (r104u==6?"ထုပ့":"")+ (r104u==7?"နိုမ္ဆီဘူး ":"")+ (r104u==8?"တင့်း(၁၆ချပညှ)":"")+ (r104u==9?"တင့်း(၂၄ချပညှ)":"")+ (r104u==10?"၂၅ ကီလိုဂရမ့ အိတ္တ":"")+ (r104u==11?"၅၀ ကီလိုဂရမ့ အိတ္တ":"")+ (r104u==12?"အစညှး/အခိုင့်":"")+ (r104u==13?"ပုလင့်း":"")+ (r104u==14?"လီတာ":"")+ (r104u==15?"ကီလိုဂရမ့":"")+ (r104u==16?"ဂရမ့":"")+ (r104u==17?"တစ့ပ[illegible]":"")+ (r104u==18?"ဖိုး (ငွေကှ့ပေစ်)":"")

APPENDIX F — OPTION FILTERS

[1] c125u: C125u. Currency

(@optioncode != 3 && @optioncode != 4 && @optioncode !=5 && c106 == 1) | | (@optioncode != 2 && @optioncode != 4 && @optioncode !=5 && c106 == 2) | | (@optioncode != 3 && @optioncode != 2 && c106 == 3) | | ((@optioncode == 1 | | @optioncode == 6| | @optioncode == 99)&& (c106 != 1 && c106 !=2 && c106!= 3))| | ((@optioncode == 1 | | @optioncode == 6 && @optioncode == 99)&& (c106 == 99))

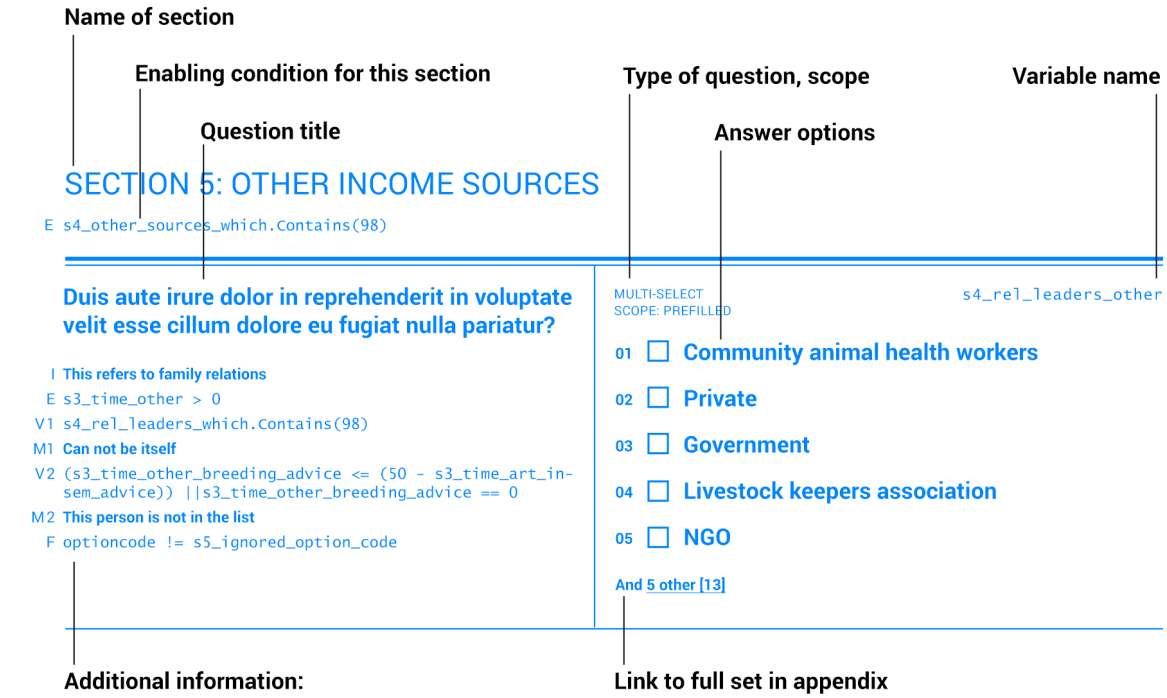
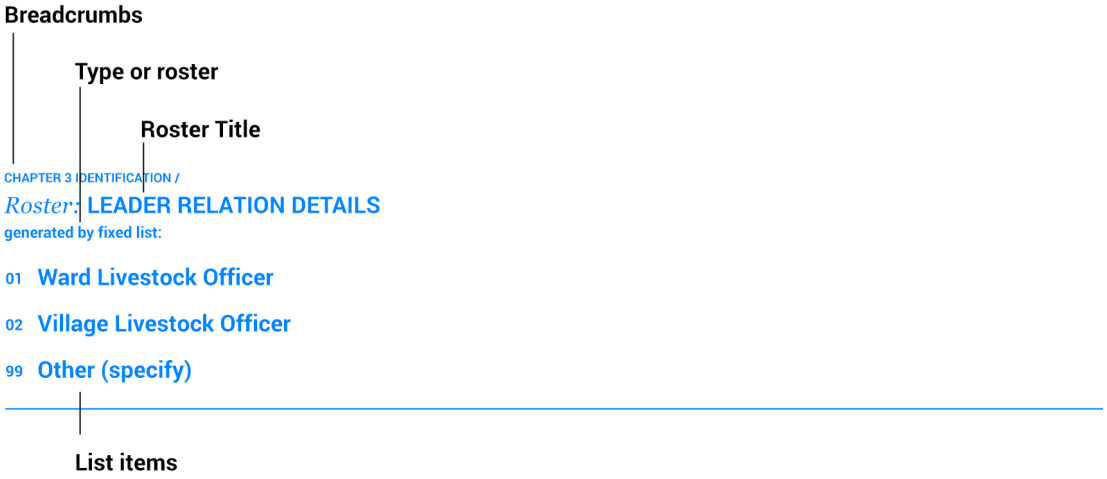
[2] j202_1: J202_1. What happened to the monsoon maize harvested from all parcels?

(@optioncode!=4 && @optioncode!=5 && @optioncode!=6 && @optioncode!=7 && j200_1==1 && j201_1==2)| | (@optioncode!=1 && @optioncode!=2 && @optioncode!=3 && j200_1==2 && j201_1==1)| | (@optioncode<8 && j200_1==1 && j201_1==1)

[3] j202_2: J202_2. What happened to Monsoon Pigeon Pea harvested from all parcels during the most recent monsoon cropping cycle?

(@optioncode!=4 && @optioncode!=5 && @optioncode!=6 && @optioncode!=7 && j200_2==1 && j201_2==2)| | (@optioncode!=1 && @optioncode!=2 && @optioncode!=3 && j200_2==2 && j201_2==1)| | (@optioncode<8 && j200_2==1 && j201_2==1)

[4] m301m: M301m. Which machine did you use for %M3_r_tasks%?

(@rowcode==1 && @optioncode!=3 && @optioncode!=4)| | (@rowcode == 2 && @optioncode !=4) | | (@rowcode==3 && @optioncode!=4)| | (@rowcode==4 && @optioncode!=3 && @optioncode!=4) | | (@rowcode==5 && @optioncode!=3 && @optioncode!=4) | | (@rowcode==6 && @optioncode!=3) | | (@rowcode==7 && @optioncode!=3 && @optioncode!=4) | | (@rowcode==8 && @optioncode!=3)

Legend and structure of information in this file