Survey Solutions

Oil Mill FINAL

COVER PAGE
No sub-sections, No rosters, No questions, Static texts: 1.

A. IDENTIFICATION
No sub-sections, No rosters, Questions: 17.

B. INTERVIEWEE DETAILS
No sub-sections, No rosters, Questions: 31.

C. BUSINESS DETAILS
No sub-sections, No rosters, Questions: 57, Static texts: 3.

D. MILLING EQUIPMENT
No sub-sections, Rosters: 4, Questions: 98, Static texts: 1, Variables: 1.

E. INPUTS
Sub-sections: 9, Rosters: 4, Questions: 269, Static texts: 1, Variables: 24.

F. MILLING
Sub-sections: 1, No rosters, Questions: 67, Static texts: 6, Variables: 12.

G. MARKETING
Sub-sections: 4, Rosters: 4, Questions: 244, Static texts: 16, Variables: 28.

H. END OF INTERVIEW
No sub-sections, No rosters, Questions: 1.

APPENDIX A — ENABLING CONDITIONS

APPENDIX B — OPTIONS

APPENDIX C — VARIABLES

LEGEND

COVER PAGE

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 Economic and Social Development (CESD), Michigan State University and the International Food Policy Research Institute. We have conducted the Rural Economy and Agriculture Dry Zone survey in the previous March and April 2017. The researchers have visited 1,600 households in four different townships: Butalin, Myittha, Magwe and Pwint Phyu. This survey aims to provide researchers with a detailed understanding of value chain process in Dry Zone and carry out analyses to assist policymakers in identifying policies to promote welfare in Myanmar. Now the researchers are visiting 1,500 enterprises/households in some township of Dry Zone and your enterprise/household was selected randomly for participation. The interview will take up to 2 hours to complete and you may be asked to show us your enterprise. You have the right to not participate or stop the interview at any time. Please note, however, that we value your participation. Be assured that the information you give will be held in the strictest confidence and in no circumstance will your household be identified. If you have questions or concerns about your role and rights as a research participant, or if you would like to receive more information about this study, you may contact, anonymously if you wish, Kyan Htoo of the Centre for Economic and Social Development at 09 2500 64 347.

A. IDENTIFICATION

Enter questionnaire ID : According to supervisor instruction	NUMERIC: INTEGER `q_id`
A100. Enter your enumerator code	TEXT `a100`
A102. Start Time	DATE: CURRENT TIME `a102`
A103. State/Region	SINGLE-SELECT `a103` 01 ○ Magway 02 ○ Mandalay 03 ○ Sagaing
A103a. District	SINGLE-SELECT: CASCADING `a103a` 01 ○ Gangaw District 02 ○ Magwae District 03 ○ Minbu District 04 ○ Pakokku District 05 ○ Thayet District 06 ○ Kyaukse District 07 ○ Mandalay District 08 ○ Meiktilla District 09 ○ Myingyan District 10 ○ Nyaung-U District 11 ○ Pyin Oo Lwin District 12 ○ Yamethin District 13 ○ Hkamti District 14 ○ Kale(Kalemyo) District 15 ○ Kanbalu District 16 ○ Katha District And 6 other symbols [1]
A103b. Township	SINGLE-SELECT: CASCADING `a103b` 01 ○ Gangaw Township 02 ○ Saw Township 03 ○ Tilin Township

04 ○ Kyaukhtu Township
05 ○ Chauck Township
06 ○ Magway Township
07 ○ Myothit Township
08 ○ Natmauk Township
09 ○ Taungdwingyi Township
10 ○ Yenangyaung Township
11 ○ Minbu Township
12 ○ Ngape Township
13 ○ Pwintbyu Township
14 ○ Salin Township
15 ○ Sidoktaya Township
16 ○ Myaing Township

And 74 other symbols [2]

A104. Is this business in a rual or urban area?

SINGLE-SELECT a104

01 ○ Rural
02 ○ Urban

A109. Village EA code

NUMERIC: INTEGER a109

E a104 == 1
V1 self.InRange(003,300)
M1 Village EA code is wrong. Please check again...

A109a. City EA Code

NUMERIC: INTEGER a109a

I Please enter a 3 digit code (Shwebo- 400, Monywa- 500, Pakokku- 600, Mandalay- 700, Magwe- 800)
E a104==2
V1 self==400|| self==500 || self==600 || self==700 || self==800
M1 City EA code is wrong. Please check again...

A105. Is this business in an industrial zone?

SINGLE-SELECT a105

E a104 == 2

01 ○ Yes
02 ○ No

A106. Village Tract Name

TEXT a106

E a104 == 1

A107. Village Name

TEXT a107

E a104 == 1

A108. GPS

GPS a108

N

W

A

A110. Does this business have a name?

SINGLE-SELECT a110

01 ○ Yes
02 ○ No

A111. What is the name of the buiness?

TEXT a111

E a110 == 1

A112. What is the telephone number of the business?

TEXT a112

I If 'business' does not have a phone number, then phone number of hh member.

A113. what is the address of this oil mill?

TEXT a113

B. INTERVIEWEE DETAILS

B100. Enter the respondent name

TEXT b100

B101. Is %b100% male or female?

SINGLE-SELECT b101

01 ○ Male
02 ○ Female

B102. What is %b100%'s age?

V1 `self.InRange(10,120)`
M1 Age should be between 10 and 120.

NUMERIC: INTEGER age

B103. What is %b100%'s position in the company?

SINGLE-SELECT b103

01 ○ Owner
02 ○ Owner's child
03 ○ Owner's spouse
04 ○ Partner
05 ○ Senior manager
06 ○ Junior manger
99 ○ Other (specify)

B103a. Please specify other ...

E `b103==99`

TEXT b103a

B104. What is %b100%'s highest level of eduational attainment?

F @optioncode<=(age-4) || @optioncode==19 || @optioncode==97

SINGLE-SELECT b104

01 ○ Grade 1
02 ○ Grade 2
03 ○ Grade 3
04 ○ Grade 4
05 ○ Grade 5
06 ○ Grade 6
07 ○ Grade 7
08 ○ Grade 8
09 ○ Grade 9
10 ○ Grade 10
11 ○ Grade 11
12 ○ University Student
13 ○ Undergraduate
17 ○ Graduate
18 ○ Post graduate
19 ○ Other non-governmental education (monastic education etc.)

And 1 other symbols [3]

B105. In addition to operating a mill, which of the following occupations do the members of the mill owner's household have (rank in order of monetary importance)?

V1 `!(self.Contains(99)&&self.Length>1)`
M1 If you choose "Not Applicable", other options cannot be selected.

MULTI-SELECT: ORDERED b105

01 ☐ Oil seed trading business (buying and selling for profit, not for the mill)
02 ☐ Beans & pulses trading business
03 ☐ Paddy trading business

04 ☐ Agricultural inputs supply business
05 ☐ Rice mill
06 ☐ Oil wholesale business (buying from other mills for resale)
07 ☐ Oil retail shop
08 ☐ Dry goods shop
09 ☐ Truck rental business
10 ☐ Agricultural machinery rental business
11 ☐ Agricultural machinery dealership representative
12 ☐ Agriculture (crop farming)
13 ☐ Livestock/poultry raising business
14 ☐ Professional or government job
15 ☐ Other non-farm business (specify)
16 ☐ Other salaried work (specify)

And 1 other symbols [4]

B105a1. Please Specify Other non-farm business

E b105.Contains(15)

TEXT b105a1

B105a2. Please Specify Other non-farm business

I Put "9998" if there is no more non-farm business.
E b105.Contains(15)

TEXT b105a2

B105a3. Please Specify Other non-farm business

I Put "9998" if there is no more non-farm business.
E b105.Contains(15)

TEXT b105a3

B105b1. Please Specify Other salaried work

E b105.Contains(16)

TEXT b105b1

B105b2. Please Specify Other salaried work

I Put "9998" if there is no more salaried work.
E b105.Contains(16)

TEXT b105b2

B105b3. Please Specify Other salaried work

I Put "9998" if there is no more salaried work.
E b105.Contains(16)

TEXT b105b3

B106a. In which year did the mill owner's household begin Oilseed trading business?

I Please enter 9997, if the respondent doesn't know the year.
E b105.Contains(1)
V1 $validYear
M1 Please enter valid year.

NUMERIC: INTEGER b106a

B106b. In which year did the mill owner's household begin Beans & pulses trading business?

I Please enter 9997, if the respondent doesn't know the year.
E b105.Contains(2)
V1 $validYear

NUMERIC: INTEGER b106b

M1 Please enter valid year.

B106c. In which year did the mill owner's household begin Paddy trading business?

NUMERIC: INTEGER b106c

I Please enter 9997, if the respondent doesn't know the year.
E b105.Contains(3)
V1 $validYear
M1 Please enter valid year.

B106d. In which year did the mill owner's household begin Agricultural inputs supply business?

NUMERIC: INTEGER b106d

I Please enter 9997, if the respondent doesn't know the year.
E b105.Contains(4)
V1 $validYear
M1 Please enter valid year.

B106e. In which year did the mill owner's household begin Rice mill?

NUMERIC: INTEGER b106e

I Please enter 9997, if the respondent doesn't know the year.
E b105.Contains(5)
V1 $validYear
M1 Please enter valid year.

B106f. In which year did the mill owner's household begin Oil wholesale business (buying from other mills for resale)?

NUMERIC: INTEGER b106f

I Please enter 9997, if the respondent doesn't know the year.
E b105.Contains(6)
V1 $validYear
M1 Please enter valid year.

B106g. In which year did the mill owner's household begin Oil retail shop?

NUMERIC: INTEGER b106g

I Please enter 9997, if the respondent doesn't know the year.
E b105.Contains(7)
V1 $validYear
M1 Please enter valid year.

B106h. In which year did the mill owner's household begin Dry goods shop?

NUMERIC: INTEGER b106h

I Please enter 9997, if the respondent doesn't know the year.
E b105.Contains(8)
V1 $validYear
M1 Please enter valid year.

B106i. In which year did the mill owner's household begin Truck rental business?

NUMERIC: INTEGER b106i

I Please enter 9997, if the respondent doesn't know the year.
E b105.Contains(9)
V1 $validYear
M1 Please enter valid year.

B106j. In which year did the mill owner's household begin Agricultural machinery rental business?

NUMERIC: INTEGER b106j

I Please enter 9997, if the respondent doesn't know the year.
E b105.Contains(10)
V1 $validYear
M1 Please enter valid year.

B106k. In which year did the mill owner's household begin Agricultural machinery dealership representative ?

NUMERIC: INTEGER b106k

I Please enter 9997, if the respondent doesn't know the year.
E b105.Contains(11)
V1 $validYear
M1 Please enter valid year.

B106l. In which year did the mill owner's household begin non-farm business?

NUMERIC: INTEGER b106l

I Please enter 9997, if the respondent doesn't know the year.
E b105.Contains(15)
V1 $validYear
M1 Please enter valid year.

B106m. In which year did the mill owner's household begin Agriculture (crop farming)?

NUMERIC: INTEGER b106m

I Please enter 9997, if the respondent doesn't know the year.
E b105.Contains(12)
V1 $validYear
M1 Please enter valid year.

B106n. In which year did the mill owner's household begin Livestock/poultry raising business?

NUMERIC: INTEGER b106n

I Please enter 9997, if the respondent doesn't know the year.
E b105.Contains(13)
V1 $validYear
M1 Please enter valid year.

B106o. In which year did the mill owner's household begin Professional or government job?

NUMERIC: INTEGER b106o

I Please enter 9997, if the respondent doesn't know the year.
E b105.Contains(14)
V1 $validYear
M1 Please enter valid year.

B106p. In which year did the mill owner's household begin salaried work?

NUMERIC: INTEGER b106p

I Please enter 9997, if the respondent doesn't know the year.
E b105.Contains(16)
V1 $validYear
M1 Please enter valid year.

B107. Does the mill owner's household own any agricultural land?

SINGLE-SELECT b107

01 ○ Yes
02 ○ No

B108. What area of agricultural land is owned by the mill owner's HH?
Acres...

NUMERIC: DECIMAL b108

E b107==1

C. BUSINESS DETAILS

STATIC TEXT

Number of oil mill at present

C1_rural. How many all in one or other types of modern mills are there operating in %a106% at present?

NUMERIC: INTEGER c1_rural

I Please enter "9997" if the respondent doesn't know the answer.
E a104==1
V1 self<=50 || self==9997
M1 The number you entered is too much for the number of oil mills in a vill age tract. Please check again.

C1a_rural. How many traditional mills are there operating in %a106% at present?

NUMERIC: INTEGER c1a rural

I Please enter "9997" if the respondent doesn't know the answer.
E a104==1
V1 self<=100 || self==9997
M1 The number you entered is too much for the number of traditional oil mills in a village tract. Please check again.

C1_urban. How many modern oil mills are there operating in %a103b% at present?

NUMERIC: INTEGER c1 urban

I Please enter "9997" if the respondent doesn't know the answer.
E a104==2
V1 self<=100 || self==9997
M1 The number you entered is too much for the number of oil mills in a to wnship. Please check again.

C1a_urban. How many traditional oil mills are there operating in %a103b% at present?

NUMERIC: INTEGER c1a_urban

I Please enter "9997" if the respondent doesn't know the answer.
E a104==2
V1 self<=200 || self==9997
M1 The number you entered is too much for the number of traditional oil mills in a township. Please check again.

STATIC TEXT

Number of oil mill in 2012

C2_rural. How many all in one or other types of modern mills are there operating in %a106% in 2012?

NUMERIC: INTEGER c2_rural

I Please enter "9997" if the respondent doesn't know the answer.
E a104==1
V1 self<=50 || self==9997
M1 The number you entered is too much for the number of oil mills in a vill age tract. Please check again.

C2a_rural. How many traditional oil mills are there operating in %a106% in 2012?

NUMERIC: INTEGER c2a_rural

I Please enter "9997" if the respondent doesn't know the answer.
E a104==1
V1 self<=100 || self==9997
M1 The number you entered is too much for the number of traditional oil mills in a village tract. Please check again.

C2_urban. How many modern oil mills are there operating in %a103b% in 2012?

NUMERIC: INTEGER c2 urban

I Please enter "9997" if the respondent doesn't know the answer.
E a104==2
V1 self<=300 || self==9997
M1 The number you entered is too much for the number of oil mills in a to wnship. Please check again.

C2a_urban. How many traditional oil mills are

NUMERIC: INTEGER c2a urban

there operating in %a103b% in 2012?

I Please enter "9997" if the respondent doesn't know the answer.
E `a104==2`
V1 `self<=200 || self==9997`
M1 The number you entered is too much for the number of traditional oil mills in a township. Please check again.

STATIC TEXT

Number of oil mill in 2007

C3_rural. How many all in one or other types of modern mills are there operating in %a106% in 2007?

NUMERIC: INTEGER `c3 rural`

I Please enter "9997" if the respondent doesn't know the answer.
E `a104==1`
V1 `self<=50 || self==9997`
M1 The number you entered is too much for the number of oil mills in a vill age tract. Please check again.

C3a_rural. How many traditional oil mills are there operating in %a106% in 2007?

NUMERIC: INTEGER `c3a rural`

I Please enter "9997" if the respondent doesn't know the answer.
E `a104==1`
V1 `self<=100 || self==9997`
M1 The number you entered is too much for the number of traditional oil mills in a village tract. Please check again.

C3_urban. How many modern oil mills are there operating in %a103b% in 2007?

NUMERIC: INTEGER `c3_urban`

I Please enter "9997" if the respondent doesn't know the answer.
E `a104==2`
V1 `self<=300 || self==9997`
M1 The number you entered is too much for the number of oil mills in a to wnship. Please check again.

C3a_urban. How many traditional oil mills are there operating in %a103b% in 2007?

NUMERIC: INTEGER `c3a urban`

I Please enter "9997" if the respondent doesn't know the answer.
E `a104==2`
V1 `self<=200 || self==9997`
M1 The number you entered is too much for the number of traditoinal oil mills in a township. Please check again.

C100. In what year was your oil milling business established?

NUMERIC: INTEGER `c100`

I Please enter 9997, if the respondent doesn't know the year.
V1 `$validYear`
M1 Enter a valid year.

C101. Aside from this oil mill, does this business operate any other oil mills?

SINGLE-SELECT `c101`

01 ○ Yes
02 ○ No

C102. If Yes, How many?

NUMERIC: INTEGER `c102`

E `c101 == 1`
V1 `self <=10`
M1 Please check again...

C103. In which years was Mill-1 established?

NUMERIC: INTEGER `c103a`

I Please enter 9997, if the respondent doesn't know the year.
E `c102 >= 1`

V1 $validYear
M1 Enter a valid year

C103. In which years was Mill-2 established?

NUMERIC: INTEGER c103b

I Please enter 9997, if the respondent doesn't know the year.
E c102 >= 2
V1 $validYear
M1 Enter a valid year

C103. In which years was Mill-3 established?

NUMERIC: INTEGER c103c

I Please enter 9997, if the respondent doesn't know the year.
E c102 >= 3
V1 $validYear
M1 Enter a valid year

C103. In which years was Mill-4 established?

NUMERIC: INTEGER c103d

I Please enter 9997, if the respondent doesn't know the year.
E c102 >= 4
V1 $validYear
M1 Enter a valid year

C103. In which years was Mill-5 established?

NUMERIC: INTEGER c103e

I Please enter 9997, if the respondent doesn't know the year.
E c102 >= 5
V1 $validYear
M1 Enter a valid year

C103. In which years was Mill-6 established?

NUMERIC: INTEGER c103f

I Please enter 9997, if the respondent doesn't know the year.
E c102 >= 6
V1 $validYear
M1 Enter a valid year

C103. In which years was Mill-7 established?

NUMERIC: INTEGER c103g

I Please enter 9997, if the respondent doesn't know the year.
E c102 >= 7
V1 $validYear
M1 Enter a valid year

C103. In which years was Mill-8 established?

NUMERIC: INTEGER c103h

I Please enter 9997, if the respondent doesn't know the year.
E c102 >= 8
V1 $validYear
M1 Enter a valid year

C103. In which years was Mill-9 established?

NUMERIC: INTEGER c103i

I Please enter 9997, if the respondent doesn't know the year.
E c102 >= 9
V1 $validYear
M1 Enter a valid year

C103. In which years was Mill-10 established?

NUMERIC: INTEGER c103j

I Please enter 9997, if the respondent doesn't know the year.
E c102 >= 10
V1 $validYear
M1 Enter a valid year

C104. Who established this mill?

SINGLE-SELECT c104

01 ○ Self (interviewee)

02 ○ Interviewee's parents
03 ○ Interviewee's spouse
04 ○ Other relative of interviwee
05 ○ Interviewee's business partner
06 ○ Interviewee's employer
99 ○ Other (specify)

C104s. Please specify your answer

E `c104 == 99`

TEXT c104s

C105. Has the business always operated in its current location?

SINGLE-SELECT c105
01 ○ Yes
02 ○ NO

C106. When did the business move to its current location?

E `c105 == 2`
V1 `$validYear`
M1 Enter a valid year.
V2 `self>=c100`
M2 This year should not be earlier than the established year.

NUMERIC: INTEGER c106

C107. Why did the business move to its current location?

E `c105 == 2`

SINGLE-SELECT c107
01 ○ Business expanded and needed new premises
02 ○ Business downsized
03 ○ Current location has better facilities
04 ○ Government required relocation to industrial zone
99 ○ Other (specify)

C107s. Please specify your answer

E `c107 == 99`

TEXT c107s

C108. Does the mill owner's household own the property where the mill is located?

SINGLE-SELECT c108
01 ○ Yes
02 ○ No

C109. What was the source of capital used to purchase the mill property?

E `c108 == 1`

MULTI-SELECT c109
01 ☐ Household owned the land already
02 ☐ Savings from previous/ other business
03 ☐ Savings from agriculture
04 ☐ Sale of previous business
05 ☐ Sale of land
06 ☐ Sale of other assets
07 ☐ Inheritance
08 ☐ Loan from bank (specify bank)
99 ☐ Other (specify)

C109a. Please specify the bank

E `c109.Contains(8)`

TEXT c109a

C109s. Please specify the other ...

E `c109.Contains(99)`

TEXT c109s

C110a. Does this mill have a warehouse associated with it?

SINGLE-SELECT c110a
01 ○ Yes
02 ○ No

C110. Is the warehouse separated from the workshop?

E c110a==1

SINGLE-SELECT c110

01 ○ Yes
02 ○ No

C111a. What is length of the workshop ? Feet....

E c110==1

NUMERIC: DECIMAL c111a

C111ab. What is width of the workshop? Feet ....

E c110==1

NUMERIC: DECIMAL c111ab

C111b. What is the length of warehouse? Feet ...

E c110 == 1

NUMERIC: DECIMAL c111b

C111ba. What is the Width of warehouse? Feet ...

E c110 == 1

NUMERIC: DECIMAL c111ba

C113. What is the total length of the mill (workshop + any warehouse space)? feet ...

E c110==2

NUMERIC: DECIMAL c113

C113a. What is the total width of the mill (workshop + any warehouse space)? Feet ...

E c110==2

NUMERIC: DECIMAL c113a

C115. Does the mill employ any salaried worker?

SINGLE-SELECT c115

01 ○ Yes
02 ○ No

C116. How many salaried workers does the mill employ?

E c115==1

NUMERIC: INTEGER c116

C117. How much does the mill spend in total each month on salary (including any meals and other in kind payments) for these workers?

E c115==1

NUMERIC: DECIMAL c117

C117a. MMK or Lakh Kyat ?

E IsAnswered(c117)

V1 (c117.InRange(10000,99999) && self==1) || (c117.InRange(0.1,100) && self==2)

M1 ERROR! The selected option is not consistant with the amount of salary you've entered.

SINGLE-SELECT c117a

01 ○ MMK
02 ○ Lakh Kyat

C118. Does the mill have any full time workers paid a daily wage and/or piece rate?

SINGLE-SELECT c118

01 ○ Yes
02 ○ No

C119. How many full time workers does the mill pay a daily wage and/or piece rate?

E c118==1

NUMERIC: INTEGER c119

C119a. How much does the mill spend in total each month on wages (including any meals and other in kind payments) for daily waged and/or piece rate full time workers, during these months?

NUMERIC: DECIMAL c119a

E c118==1

C119a1. MMK or Lakh Kyat ?

SINGLE-SELECT c119a1

01 ○ MMK
02 ○ Lakh Kyat

E IsAnswered(c119a)
V1 (c119a.InRange(10000,99999) && self==1) || (c119a.InRange(0.1,100) && self==2)
M1 ERROR! The selected option is not consistant with the amount of salary you've entered.

C120. Does the mill ever employ any part time casual workers?

SINGLE-SELECT c120

01 ○ Yes
02 ○ No

C121. During which months does the mill employ part time casual workers?

MULTI-SELECT c121

13 ☐ All 12 months
01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

I If the option 'All 12 months' is selected, no other option is able to be selected.
E c120==1
V1 !(self.Contains(13)&&self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

C122. For how many days per month are the casual part time workers usually employed during these months?

NUMERIC: INTEGER c122

E c120==1
V1 self<=31
M1 Please check again...

C123. During these months, how many part time casual workers does the mill usually employ?

NUMERIC: INTEGER c123

E c120==1

C124. How much does the mill spend in total each month on wages (including any meals and other in kind payments) for casual workers, during these months?

NUMERIC: DECIMAL c124

E c120==1

C124a. MMK or Lakh Kyat ?

SINGLE-SELECT c124a

01 ○ MMK
02 ○ Lakh Kyat

E IsAnswered(c124)
V1 (c124.InRange(100,99999) && self==1) || (c124.InRange(0.01,100) && self==2)
M1 ERROR! The selected option is not consistant with the amount of salary you've entered.

D. MILLING EQUIPMENT

D100. What items of equipment does the mill use?

MULTI-SELECT d100

- 01 ☐ Peanut thresher
- 02 ☐ Sesame cleaning machine
- 03 ☐ Sesame color sorter
- 04 ☐ All in one milling machine (village style mill)
- 05 ☐ Crushing machine (Modern)
- 07 ☐ Crushing machine + Boiler (Modern)
- 08 ☐ Crushing machine (Traditional - Manual screw Type)
- 09 ☐ Crushing machine (Traditional - Motor screw Type)
- 10 ☐ Peanut screener (for cleaning peanut)
- 11 ☐ Automated feeder conveyor belt for line of crushing machines (Elevator)
- 12 ☐ Oil settlement tank
- 13 ☐ Oil filter
- 14 ☐ Overhead oil tank
- 15 ☐ Boiler
- 16 ☐ Motor
- 17 ☐ Generator

And 3 other symbols [5]

D100a. Please specify other ...

E d100.Contains(99)

TEXT d100a

D. MILLING EQUIPMENT

Roster: NEW ROSTER

generated by multi-select question d100 machine

D101a. How many of %machine% does the mill have?

NUMERIC: INTEGER d101a

D101b. How many of %machine% does the mill use at present?

NUMERIC: INTEGER d101b

D. MILLING EQUIPMENT / NEW ROSTER

Roster: %MACHINE%

generated by numeric question d101a n_machine

D102. In which year was %machine% No. [%n_machine%] acquired?

V1 $validYear

M1 Enter a valid year

NUMERIC: INTEGER d102

D103. How was %machine% No.[%n_machine%] acquired?

SINGLE-SELECT d103

- 01 ○ Purchased
- 02 ○ Rented
- 99 ○ Other (specify)

D103a. Please specify other...

E d103==99

TEXT d103a

D104. What was the costs of purchasing %machine% No.[%n_machine%] in %d102%?

NUMERIC: DECIMAL d104

I Put the value in Lahk Kyats
E d103==1

D105. What was the main source of capital used to pay for %machine% No.[%n_machine%] in %d102%?

E d103 == 1

MULTI-SELECT d105

- 01 ☐ Income/savings from milling business
- 02 ☐ Income/savings from other business
- 03 ☐ Income/savings from agriculture
- 04 ☐ Hire purchase agreement with bank, organized by machine supplier
- 05 ☐ Hire purchase agreement made with machine supplier
- 06 ☐ Loan from bank
- 07 ☐ Loan from informal sources
- 08 ☐ Remittances
- 09 ☐ Inheritance
- 10 ☐ Sale of assets
- 99 ☐ Other specify

D105a. Please specify other...

E d105.Contains(99)

TEXT d105a

D106. What was the annual cost of renting %machine% No.[%n_machine%] in 2017? Lakh Kyat ...

I Put the value in Lahk Kyats
E d103==2

NUMERIC: DECIMAL d106

D115. What is the country of origin of %machine% No.[%n_machine%], acquired in %d102%?

SINGLE-SELECT d115

- 01 ○ Myanmar
- 02 ○ China
- 03 ○ Japan
- 04 ○ Thailand
- 05 ○ India
- 99 ○ Other (specify)
- 97 ○ Don't Know

D115s. Please specify your answer

E d115 == 99

TEXT d115s

D116. What is the power rating in HP of %machine% No.[%n_machine%], acquired in %d102%?

I Put "9998" if it is NOT APPLICABLE.

NUMERIC: DECIMAL d116

D109. Which power sources does the mill make use of?

E !d100.ContainsOnly(8)

MULTI-SELECT d109

- 01 ☐ mains electricity
- 02 ☐ generator
- 03 ☐ diesel engine & belt

D110. What share of the mills total power needs are from mains electricity? %...

E d109.Contains(1) && !(d109.ContainsOnly(1))
V1 self<=100
M1 Percentage should not be more than 100.

NUMERIC: INTEGER d110

D111. What share of the mills total power

NUMERIC: INTEGER d111

needs are from generator?
%...

E d109.Contains(2) && !(d109.ContainsOnly(2))
V1 self<=100
M1 Percentage should not be more than 100.

D112. What share of the mills total power needs are from diesel engine & belt?
%...

NUMERIC: INTEGER d112

E d109.Contains(3) && !(d109.ContainsOnly(3))
V1 self<=100
M1 Percentage should not be more than 100.

VARIABLE

(d110.HasValue? d110:0)+ (d111.HasValue? d111:0)+ (d112.HasValue? d112:0)

DOUBLE share_power

STATIC TEXT

E share_power!=100 && !d100.ContainsOnly(8) && !(d109.ContainsOnly(1)) && !(d109.ContainsOnly(2))&&!(d109.ContainsOnly(3))

ERROR.
TOTAL SHARE MUST BE 100%.

D117. Does the mill own any motor vehicles that are used in the milling business?

SINGLE-SELECT d117
01 ○ Yes
02 ○ No

D118. What type of vehicles does the mill own?

E d117 == 1

MULTI-SELECT d118
01 ☐ Motorbike
02 ☐ Tuk Tuk
03 ☐ Trawlerjee
04 ☐ Car
05 ☐ 4 wheel truck
06 ☐ 6 wheel truck
07 ☐ 12 wheel truck
99 ☐ Other

D118a. Please specify other ...

TEXT d118a

E d118.Contains(99)

D. MILLING EQUIPMENT
Roster: NEW ROSTER
generated by multi-select question d118 r_vehicle

D119. How many of [%r_vehicle%] does the mill own?

NUMERIC: INTEGER d119

D. MILLING EQUIPMENT / NEW ROSTER
Roster: %R_VEHICLE%
generated by numeric question d119 r_nvehicle

D120. In what year was [%r_nvehicle%] of [%r_vehicle%] purchased?

NUMERIC: INTEGER d120

V1 self>=1900 && self<=2017
M1 Please check again...

D121. What are the main source of capital used to pay for [%r_nvehicle%] of [%r_vehicle%] in %d120%?

MULTI-SELECT d121
01 ☐ Income/savings from milling business

02 ☐ Income/savings from other business
03 ☐ Income/savings from agriculture
04 ☐ Hire purchase agreement with bank, organized by vehicle supplier
05 ☐ Hire purchase agreement made with vehicle supplier
06 ☐ Loan from bank
07 ☐ Loan from informal source
08 ☐ Remittances
09 ☐ Inheritance
10 ☐ Sale of assets
99 ☐ Other (specify)

D121a. Please specify the other.

E `d121.Contains(99)`

TEXT d121a

D122a1. In which months did you use Motorbike for the milling business?

E `d118.Contains(1)`
V1 `!(self.Contains(13)&&self.Length>1)`
M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT d122a1
13 ☐ All 12 months
01 ☐ January
02 ☐ February
03 ☐ March
04 ☐ April
05 ☐ May
06 ☐ June
07 ☐ July
08 ☐ August
09 ☐ September
10 ☐ October
11 ☐ November
12 ☐ December

D122a2. In those months, what was the average monthly expenditure on fuel and associated costs for Motorbike?

E `d118.Contains(1)`

NUMERIC: DECIMAL d122a2

D122a3. MMK or Lakh Kyat ?

E `IsAnswered(d122a2)`
V1 `(d122a2.InRange(1000,99999) && self==1) || (d122a2.InRange(0.1,3) && self==2)`
M1 ERROR! The selected option is not consistant with the amount of average monthly expenditure you've entered.

SINGLE-SELECT d122a3
01 ○ MMk
02 ○ Lakh Kyat

D122b1. In which months did you use Tuk Tuk for the milling business?

E `d118.Contains(2)`
V1 `!(self.Contains(13)&&self.Length>1)`
M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT d122b1
13 ☐ All 12 months
01 ☐ January
02 ☐ February
03 ☐ March
04 ☐ April
05 ☐ May
06 ☐ June
07 ☐ July
08 ☐ August
09 ☐ September
10 ☐ October
11 ☐ November
12 ☐ December

D122b2. In those months, what was the average monthly expenditure on fuel and associated costs for Tuk Tuk?

NUMERIC: DECIMAL d122b2

E d118.Contains(2)

D122b3. MMK or Lakh Kyat ?

SINGLE-SELECT d122b3

01 ○ MMk
02 ○ Lakh Kyat

E IsAnswered(d122b2)
V1 (d122b2.InRange(1000,99999) & self==1)||(d122b2.InRange(0.1,5) && self==2)
M1 ERROR! The selected option is not consistant with the amount of average monthly expenditure you've entered.

D122c1. In which months did you use Trawlerjee for the milling business?

MULTI-SELECT d122c1

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

E d118.Contains(3)
V1 !(self.Contains(13)&&self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

D122c2. In those months, what was the average monthly expenditure on fuel and associated costs for Trawlerjee?

NUMERIC: DECIMAL d122c2

E d118.Contains(3)

D122c3. MMK or Lakh Kyat ?

SINGLE-SELECT d122c3

01 ○ MMk
02 ○ Lakh Kyat

E IsAnswered(d122c2)
V1 (d122c2.InRange(1000,99999) && self==1)||(d122c2.InRange(0.1,2) && self==2)
M1 ERROR! The selected option is not consistant with the amount of average monthly expenditure you've entered.

D122d1. In which months did you use Car for the milling business?

MULTI-SELECT d122d1

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

E d118.Contains(4)
V1 !(self.Contains(13)&&self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

D122d2. In those months, what was the average monthly expenditure on fuel and associated costs for Car?

NUMERIC: DECIMAL d122d2

E d118.Contains(4)

D122d3. MMK or Lakh Kyat ?

SINGLE-SELECT d122d3

01 ○ MMk
02 ○ Lakh Kyat

E IsAnswered(d122d2)
V1 (d122d2.InRange(1000,99999) && self==1)||(d122d2.InRange(0.1,10) && self==2)
M1 ERROR! The selected option is not consistant with the amount of average monthly expenditure you've entered.

D122e1. In which months did you use 4-wheel truck for the milling business?

E d118.Contains(5)
V1 !(self.Contains(13)&&self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT d122e1
13 ☐ All 12 months
01 ☐ January
02 ☐ February
03 ☐ March
04 ☐ April
05 ☐ May
06 ☐ June
07 ☐ July
08 ☐ August
09 ☐ September
10 ☐ October
11 ☐ November
12 ☐ December

D122e2. In those months, what was the average monthly expenditure on fuel and associated costs for 4-wheel truck?

E d118.Contains(5)

NUMERIC: DECIMAL d122e2

D122e3. MMK or Lakh Kyat ?

E IsAnswered(d122e2)
V1 (d122e2.InRange(1000,99999) && self==1)|| (d122e2.InRange(0.1,15) && self==2)
M1 ERROR! The selected option is not consistant with the amount of average monthly expenditure you've entered.

SINGLE-SELECT d122e3
01 ○ MMk
02 ○ Lakh Kyat

D122f1. In which months did you use 6-wheel truck for the milling business?

E d118.Contains(6)
V1 !(self.Contains(13)&&self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT d122f1
13 ☐ All 12 months
01 ☐ January
02 ☐ February
03 ☐ March
04 ☐ April
05 ☐ May
06 ☐ June
07 ☐ July
08 ☐ August
09 ☐ September
10 ☐ October
11 ☐ November
12 ☐ December

D122f2. In those months, what was the average monthly expenditure on fuel and associated costs for 6-wheel truck?

E d118.Contains(6)

NUMERIC: DECIMAL d122f2

D122f3. MMK or Lakh Kyat ?

E IsAnswered(d122f2)
V1 (d122f2.InRange(1000,99999) && self==1)||(d122f2.InRange(0.1,20) && self==2)
M1 ERROR! The selected option is not consistant with the amount of average monthly expenditure you've entered.

SINGLE-SELECT d122f3
01 ○ MMk
02 ○ Lakh Kyat

D122g1. In which months did you use 12-wheel truck for the milling business?

E d118.Contains(7)
V1 !(self.Contains(13)&&self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT d122g1
13 ☐ All 12 months
01 ☐ January
02 ☐ February
03 ☐ March
04 ☐ April
05 ☐ May
06 ☐ June
07 ☐ July

08 ☐ August
09 ☐ September
10 ☐ October
11 ☐ November
12 ☐ December

D122g2. In those months, what was the average monthly expenditure on fuel and associated costs for 12-wheel truck?

NUMERIC: DECIMAL d122g2

E d118.Contains(7)

D122g3. MMK or Lakh Kyat ?

SINGLE-SELECT d122g3

01 ○ MMk
02 ○ Lakh Kyat

E IsAnswered(d122g2)

V1 (d122g2.InRange(1000,99999) && self==1)||(d122g2.InRange(0.1,50) && self==2)

M1 ERROR! The selected option is not consistant with the amount of avera ge monthly expenditure you've entered.

D122h1. In which months did you use %d118a% for the milling business?

MULTI-SELECT d122h1

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

E d118.Contains(99)

V1 !(self.Contains(13)&&self.Length>1)

M1 If you choose "All 12 months", other options cannot be selected.

D122h2. In those months, what was the average monthly expenditure on fuel and associated costs for %d118a%?

NUMERIC: DECIMAL d122h2

E d118.Contains(99)

D122h3. MMK or Lakh Kyat ?

SINGLE-SELECT d122h3

01 ○ MMk
02 ○ Lakh Kyat

E IsAnswered(d122h2)

V1 (d122h2.InRange(0,99999) && self==1)||(d122h2.InRange(0.1,50) && self==2)

M1 ERROR! The selected option is not consistant with the amount of avera ge monthly expenditure you've entered.

D123. Does the milling business make use of any motor vehicles that it does not own?

SINGLE-SELECT d123

01 ○ Yes
02 ○ No

D124. What type of vehicles does the mill make use of ...

MULTI-SELECT d124

E d123==1

01 ☐ Motorbike [Rental]
02 ☐ Tuk Tuk [Rental]
03 ☐ Trawlerjee [Rental]
04 ☐ Car [Rental]
05 ☐ 4-wheel truck [Rental]
06 ☐ 6-wheel truck [Rental]
07 ☐ 12-wheel truck [Rental]
08 ☐ Public bus
09 ☐ Public truck
99 ☐ Other

D124a. Please Specify other...

TEXT d124a

E d124.Contains(99)

D125a. How is the rental of motorbike organized?

E d124.Contains(1)

SINGLE-SELECT d125a

01 ○ Mill rents vehicle and operates by self
02 ○ Vehicle owner provides all services

D126a. In what year did the mill begin to rent motorbike?

E d124.Contains(1)
V1 $validYear
M1 Please enter a valid year ...

NUMERIC: INTEGER d126a

D127a1. In which months did you rent Motorbike for the milling business?

E d124.Contains(1)
V1 !(self.Contains(13)&&self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT d127a1

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

D127a2. In those months, what was the average monthly expenditure on rent, fuel and associated costs for Motorbike [rental]?

E d124.Contains(1)

NUMERIC: DECIMAL d127a2

D127a3. MMK or Lakh Kyat ?

E IsAnswered(d127a2)
V1 (d127a2.InRange(1000,99999) && self==1)||(d127a2.InRange(0.1,3) && self==2)
M1 ERROR! The selected option is not consistant with the amount of avera ge monthly expenditure you've entered.

SINGLE-SELECT d127a3

01 ○ MMk
02 ○ Lakh Kyat

D125a2. How is the rental of Tuk Tuk organized?

E d124.Contains(2)

SINGLE-SELECT d125a2

01 ○ Mill rents vehicle and operates by self
02 ○ Vehicle owner provides all services

D126a2. In what year did the mill begin to rent Tuk Tuk?

E d124.Contains(2)
V1 $validYear
M1 Please enter a valid year ...

NUMERIC: INTEGER d126a2

D127b1. In which months did you rent Tuk Tuk for the milling business?

E d124.Contains(2)
V1 !(self.Contains(13)&&self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT d127b1

13 ☐ All 12 months
01 ☐ January
02 ☐ February
03 ☐ March
04 ☐ April
05 ☐ May
06 ☐ June
07 ☐ July
08 ☐ August

09 ☐ September
10 ☐ October
11 ☐ November
12 ☐ December

D127b2. In those months, what was the average monthly expenditure on rent, fuel and associated costs for Tuk Tuk [rental]?

NUMERIC: DECIMAL d127b2

E d124.Contains(2)

D127b3. MMK or Lakh Kyat ?

SINGLE-SELECT d127b3

01 ○ MMk
02 ○ Lakh Kyat

E IsAnswered(d127b2)
V1 (d127b2.InRange(1000,99999) && self==1)||(d127b2.InRange(0.1,10) && self==2)
M1 ERROR! The selected option is not consistant with the amount of avera ge monthly expenditure you've entered.

D125a3. How is the rental of Trawlerjee organized?

SINGLE-SELECT d125a3

01 ○ Mill rents vehicle and operates by self
02 ○ Vehicle owner provides all services

E d124.Contains(3)

D126a3. In what year did the mill begin to rent Trawlerjee?

NUMERIC: INTEGER d126a3

E d124.Contains(3)
V1 $validYear
M1 Please enter a valid year ...

D127c1. In which months did you rent Trawlerjee for the milling business?

MULTI-SELECT d127c1

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

E d124.Contains(3)
V1 !(self.Contains(13)&&self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

D127c2. In those months, what was the average monthly expenditure on rent, fuel and associated costs for Trawlerjee [rental]?

NUMERIC: DECIMAL d127c2

E d124.Contains(3)

D127c3. MMK or Lakh Kyat ?

SINGLE-SELECT d127c3

01 ○ MMk
02 ○ Lakh Kyat

E IsAnswered(d127c2)
V1 (d127c2.InRange(1000,99999) && self==1)||(d127c2.InRange(0.1,10) && self==2)
M1 ERROR! The selected option is not consistant with the amount of avera ge monthly expenditure you've entered.

D125b. How is the rental of car organized?

SINGLE-SELECT d125b

01 ○ Mill rents vehicle and operates by self
02 ○ Vehicle owner provides all services

E d124.Contains(4)

D126b. In what year did the mill begin to rent

NUMERIC: INTEGER d126b

car?

E d124.Contains(4)
V1 self>=1900 && self<=2017
M1 Please enter a valid year ...

D127d1. In which months did you rent Car for the milling business?

MULTI-SELECT d127d1

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

E d124.Contains(4)
V1 !(self.Contains(13)&&self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

D127d2. In those months, what was the average monthly expenditure on rent, fuel and associated costs for Car [rental]?

NUMERIC: DECIMAL d127d2

E d124.Contains(4)

D127d3. MMK or Lakh Kyat ?

SINGLE-SELECT d127d3

- 01 ○ MMk
- 02 ○ Lakh Kyat

E IsAnswered(d127d2)
V1 (d127d2.InRange(1000,99999) && self==1)||(d127d2.InRange(0.1,20) && self==2)
M1 ERROR! The selected option is not consistant with the amount of average monthly expenditure you've entered.

D125c. How is the rental of 4-wheel truck organized?

SINGLE-SELECT d125c

- 01 ○ Mill rents vehicle and operates by self
- 02 ○ Vehicle owner provides all services

E d124.Contains(5)

D126c. In what year did the mill begin to rent 4-wheel truck?

NUMERIC: INTEGER d126c

E d124.Contains(5)
V1 self>=1900 && self<=2017
M1 Please enter a valid year ...

D127e1. In which months did you rent 4-wheel truck for the milling business?

MULTI-SELECT d127e1

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

E d124.Contains(5)
V1 !(self.Contains(13)&&self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

D127e2. In those months, what was the average monthly expenditure on rent, fuel and associated costs for 4-wheel truck [rental]?

NUMERIC: DECIMAL d127e2

E d124.Contains(5)

D127e3. MMK or Lakh Kyat ?

SINGLE-SELECT d127e3

01 ○ MMk
02 ○ Lakh Kyat

E IsAnswered(d127e2)
V1 (d127e2.InRange(5000,99999) && self==1) || (d127e2.InRange(0.1,20) && self==2)
M1 ERROR! The selected option is not consistant with the amount of average monthly expenditure you've entered.

D125d. How is the rental of 6-wheel truck organized?

SINGLE-SELECT d125d

01 ○ Mill rents vehicle and operates by self
02 ○ Vehicle owner provides all services

E d124.Contains(6)

D126d. In what year did the mill begin to rent 6-wheel truck?

NUMERIC: INTEGER d126d

E d124.Contains(6)
V1 self>=1900 && self<=2017
M1 Please enter a valid year ...

D127f1. In which months did you rent 6-wheel truck for the milling business?

MULTI-SELECT d127f1

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

E d124.Contains(6)
V1 !(self.Contains(13)&&self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

D127f2. In those months, what was the average monthly expenditure on rent, fuel and associated costs for 6-wheel truck [rental]?

NUMERIC: DECIMAL d127f2

E d124.Contains(6)

D127f3. MMK or Lakh Kyat ?

SINGLE-SELECT d127f3

01 ○ MMk
02 ○ Lakh Kyat

E IsAnswered(d127f2)
V1 (d127f2.InRange(5000,99999) && self==1) || (d127f2.InRange(0.1,50) && self==2)
M1 ERROR! The selected option is not consistant with the amount of average monthly expenditure you've entered.

D125e. How is the rental of 12-wheel truck organized?

SINGLE-SELECT d125e

01 ○ Mill rents vehicle and operates by self
02 ○ Vehicle owner provides all services

E d124.Contains(7)

D126e. In what year did the mill begin to rent 12-wheel truck?

NUMERIC: INTEGER d126e

E d124.Contains(7)
V1 $validYear
M1 Please enter a valid year ...

D127g1. In which months did you rent 12-wheel truck for the milling business?

MULTI-SELECT d127g1

13 ☐ All 12 months

E d124.Contains(7)
V1 !(self.Contains(13)&&self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

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

D127g2. In those months, what was the average monthly expenditure on rent, fuel and associated costs for 12-wheel truck [rental]?

NUMERIC: DECIMAL d127g2

E d124.Contains(7)

D127g3. MMK or Lakh Kyat ?

SINGLE-SELECT d127g3

E IsAnswered(d127g2)
V1 (d127g2.InRange(10000,99999) && self==1) || (d127g2.InRange(0.1,150) && self==2)
M1 ERROR! The selected option is not consistant with the amount of average monthly expenditure you've entered.

01 ○ MMk
02 ○ Lakh Kyat

D126f. In what year did the mill begin to use public bus to transport goods?

NUMERIC: INTEGER d126f

E d124.Contains(8)
V1 $validYear
M1 Please enter a valid year ...

D127h1. In which months did you use Public bus for the milling business?

MULTI-SELECT d127h1

E d124.Contains(8)
V1 !(self.Contains(13)&&self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

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

D127h2. In those months, what was the average monthly expenditure on fares and associated costs for Public bus?

NUMERIC: DECIMAL d127h2

E d124.Contains(8)

D127h3. MMK or Lakh Kyat ?

SINGLE-SELECT d127h3

E IsAnswered(d127h2)
V1 (d127h2.InRange(1000,99999) && self==1) || (d127h2.InRange(0.1,3) && self==2)
M1 ERROR! The selected option is not consistant with the amount of average monthly expenditure you've entered.

01 ○ MMk
02 ○ Lakh Kyat

D126g. In what year did the mill begin to use public truck to transport goods?

NUMERIC: INTEGER d126g

E d124.Contains(9)
V1 $validYear

M1 Please enter a valid year ...

D127i1. In which months did you use Public truck for the milling business?

E `d124.Contains(9)`

V1 `!(self.Contains(13)&&self.Length>1)`

M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT d127i1

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

D127i2. In those months, what was the average monthly expenditure on fares, fuel and associated costs for Public truck?

E `d124.Contains(9)`

NUMERIC: DECIMAL d127i2

D127i3. MMK or Lakh Kyat ?

E `IsAnswered(d127i2)`

V1 `(d127i2.InRange(10000,99999) && self==1) || (d127i2.InRange(0.1,200) && self==2)`

M1 ERROR! The selected option is not consistant with the amount of average monthly expenditure you've entered.

SINGLE-SELECT d127i3

- 01 ○ MMk
- 02 ○ Lakh Kyat

D127j1. In which months did you use %d124a% for the milling business?

E `d124.Contains(99)`

V1 `!(self.Contains(13)&&self.Length>1)`

M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT d127j1

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

D127j2. In those months, what was the average monthly expenditure on fares, fuel and associated costs for %d124a%?

E `d124.Contains(99)`

NUMERIC: DECIMAL d127j2

D127j3. MMK or Lakh Kyat ?

E `IsAnswered(d127j2)`

V1 `(d127j2.InRange(1,99999) && self==1) || (d127j2.InRange(0.1,200) && self==2)`

M1 ERROR! The selected option is not consistant with the amount of average monthly expenditure you've entered.

SINGLE-SELECT d127j3

- 01 ○ MMk
- 02 ○ Lakh Kyat

E. INPUTS

E100. Which of the following have you ever milled?

MULTI-SELECT e100

- 01 ☐ Peanut

02 ☐ Sesame
03 ☐ Sunflower
04 ☐ Niger
05 ☐ Cotton Seed
99 ☐ Other (specify)

E100a. Please specify other...

E e100.Contains(99)

TEXT e100a

E101a. Have you ever milled peanut, but stopped doing so?

E e100.Contains(1)

SINGLE-SELECT e101a
01 ○ Yes
02 ○ No

E101b. In what year, did you stop milling peanut?

I Please enter "9997", if the respondent doesn't know the year.
E e101a==1
V1 $validYear
M1 Enter a valid year.
V2 self>=c100
M2 This year should not be earlier than the established year.

NUMERIC: INTEGER e101b

E101c. Why did you stop milling peanut?

E e101a==1

MULTI-SELECT e101c
01 ☐ No longer profitable to do so
02 ☐ Not available in sufficent quantities
03 ☐ Insufficent demand
04 ☐ Farmers no longer producing
05 ☐ Milling alternative crop more profitable
99 ☐ Other

E101c_s. Please specify other ...

E e101c.Contains(99)

TEXT e101c_s

E102a. Have you ever milled sesame, but stopped doing so?

E e100.Contains(2)

SINGLE-SELECT e102a
01 ○ Yes
02 ○ No

E102b. In what year, did you stop milling sesame?

I Please enter "9997", if the respondent doesn't know the year.
E e102a==1

NUMERIC: INTEGER e102b

E102c. Why did you stop milling sesame?

E e102a==1

MULTI-SELECT e102c
01 ☐ No longer profitable to do so
02 ☐ Not available in sufficent quantities
03 ☐ Insufficent demand
04 ☐ Farmers no longer producing
05 ☐ Milling alternative crop more profitable
99 ☐ Other

E102c_s. Please specify other ...

E e102c.Contains(99)

TEXT e102c_s

E103a. Have you ever milled sunflower, but stopped doing so?

SINGLE-SELECT e103a
01 ○ Yes
02 ○ No

E e100.Contains(3)

E103b. In what year, did you stop milling sunflower?

NUMERIC: INTEGER e103b

I Please enter "9997", if the respondent doesn't know the year.

E e103a==1

E103c. Why did you stop milling sunflower?

MULTI-SELECT e103c

E e103a==1

- 01 ☐ No longer profitable to do so
- 02 ☐ Not available in sufficent quantities
- 03 ☐ Insufficent demand
- 04 ☐ Farmers no longer producing
- 05 ☐ Milling alternative crop more profitable
- 99 ☐ Other

E103c_s. Please specify other ...

TEXT e103c_s

E e103c.Contains(99)

E104a. Have you ever milled niger, but stopped doing so?

SINGLE-SELECT e104a

E e100.Contains(4)

- 01 ○ Yes
- 02 ○ No

E104b. In what year, did you stop milling niger?

NUMERIC: INTEGER e104b

I Please enter "9997", if the respondent doesn't know the year.

E e104a==1

E104c. Why did you stop milling niger?

MULTI-SELECT e104c

E e104a==1

- 01 ☐ No longer profitable to do so
- 02 ☐ Not available in sufficent quantities
- 03 ☐ Insufficent demand
- 04 ☐ Farmers no longer producing
- 05 ☐ Milling alternative crop more profitable
- 99 ☐ Other

E104c_s. Please specify other ...

TEXT e104c_s

E e104c.Contains(99)

E104a1. Have you ever milled cotton seed, but stopped doing so?

SINGLE-SELECT e104a1

E e100.Contains(5)

- 01 ○ Yes
- 02 ○ No

E104a2. In what year, did you stop milling cotton seed?

NUMERIC: INTEGER e104a2

I Please enter "9997", if the respondent doesn't know the year.

E e104a1==1

E104a3. Why did you stop milling cotton seed?

MULTI-SELECT e104a3

E e104a1==1

- 01 ☐ No longer profitable to do so
- 02 ☐ Not available in sufficent quantities
- 03 ☐ Insufficent demand
- 04 ☐ Farmers no longer producing
- 05 ☐ Milling alternative crop more profitable
- 99 ☐ Other

E104a4. Please specify other ...

E e104a3.Contains(99)

TEXT e104a4

E105a. Have you ever milled %e100a%, but stopped doing so?

E e100.Contains(99)

SINGLE-SELECT e105a

01 ○ Yes
02 ○ No

E105b. In what year, did you stop milling %e100a%?

I Please enter "9997", if the respondent doesn't know the year.
E e105a==1

NUMERIC: INTEGER e105b

E105c. Why did you stop milling %e100a%?

E e105a==1

MULTI-SELECT e105c

01 ☐ No longer profitable to do so
02 ☐ Not available in sufficent quantities
03 ☐ Insufficent demand
04 ☐ Farmers no longer producing
05 ☐ Milling alternative crop more profitable
99 ☐ Other

E105c_s. Please specify other ...

E e105c.Contains(99)

TEXT e105c_s

E. INPUTS

PEANUT

E e100.Contains(1) && e101a==2

E111. From where did you source peanut during the last 12 months?

E e100.Contains(1)

MULTI-SELECT e111

01 ☐ Purchase from farmer
02 ☐ Purchase from trader (wholesaler, Agent, Broker)
03 ☐ Purchase from peanut thresher
04 ☐ Custom milling for farmer / others (milling for a fee)
05 ☐ Custom milling for trader (milling for a fee)
06 ☐ Own production
99 ☐ Other (Specify)

E111a. Specify your answer

E e111.Contains(99)

TEXT e111a

E106. During which months in last 12, did you buy peanut?

E !e111.ContainsOnly(4,5,6)
V1 !(self.Contains(13) && self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT e106

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

VARIABLE

```
e106.Contains(13)? 12:e106.Length
```

DOUBLE `mth_e106`

E1a. Are there any High seasons for purshasing of peanut?

E `!e111.ContainsOnly(4,5,6)`

SINGLE-SELECT `e1a`

01 ○ Yes
02 ○ No

E107. Among months you bought peanut, which were the high seasons for purchase of peanut?

F e106.Contains(13) || e106.Contains(@optioncode)
E `e1a==1`
V1 `!e108.ContainsAny(self)`
M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT `e107`

01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE

```
(e107.Length>=1 && IsAnswered(e107))? e107.Length:0
```

DOUBLE `high`

E109. What quantity of peanut (with shell) did you buy during the most recent high seasons?

I If the mill did not buy peanut (with shell), please enter '0'.
E `e1a==1`

NUMERIC: DECIMAL `e109`

E109a. Unit ...

E `IsAnswered(e109) && e109!=0`

SINGLE-SELECT `e109a`

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other (Specify)

E109a1. Please specify the 'other'.

E `e109a==99`

TEXT `e109a1`

E109b. Per ...

E `IsAnswered(e109) && e109!=0`

SINGLE-SELECT `e109b`

01 ○ Per day
02 ○ Per week
03 ○ Per month
04 ○ Total for the whole high season

E113. What was the average purchase price paid of peanut (with shell) during high seasons?
MMK...

E `e1a==1 && e109!=0`

NUMERIC: INTEGER `e113`

E113a. Per ...

E `IsAnswered(e113)`

SINGLE-SELECT `e113a`

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other (Specify)

E113a1. Please specify the 'other'.

E `e113a==99`

TEXT `e113a1`

E109_2. What quantity of peanut (without shell) did you buy during the most recent high seasons?

I If the mill did not buy peanut (without shell), please enter '0'.

E `e1a==1`

NUMERIC: DECIMAL `e109_2`

E109a_2. Unit ...

E `IsAnswered(e109_2) && e109_2!=0`

SINGLE-SELECT `e109a_2`

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other (Specify)

E109a1_2. Please specify the 'other'.

E `e109a_2==99`

TEXT `e109a1_2`

.....

E109b_2. Per ...

E `IsAnswered(e109_2) && e109_2!=0`

SINGLE-SELECT `e109b_2`

01 ○ Per day
02 ○ Per week
03 ○ Per month
04 ○ Total for the whole high season

E113_2. What was the average purchase price paid of peanut (without shell) during high seasons?
MMK...

E `e1a==1 && e109_2!=0`

NUMERIC: INTEGER `e113_2`

E113a_2. Per ...

E `IsAnswered(e113_2)`

SINGLE-SELECT `e113a_2`

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other (Specify)

E113a1_2. Please specify the 'other'.

E `e113a_2==99`

TEXT `e113a1_2`

.....

E1b. Are there any Low seasons for purshasing of peanut?

E `!e111.ContainsOnly(4,5,6)`

SINGLE-SELECT `e1b`

01 ○ Yes
02 ○ No

E108. Among months you bought peanut, which were the low seasons for purchase of peanut?

F e106.Contains(13) || e106.Contains(@optioncode)
E `e1b==1`
V1 `!e107.ContainsAny(self)`
M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT `e108`

01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE

`(e108.Length>=1 && IsAnswered(e108))? e108.Length:0`

DOUBLE `low`

E110. What quantity of peanut (with shell) did you buy during the most recent low seasons?

NUMERIC: DECIMAL e110

I If the mill did not buy peanut (with shell), please enter '0'.

E e1b==1

E110a. Unit ...

E IsAnswered(e110) && e110!=0

SINGLE-SELECT e110a

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

E110a1. Please specify the 'other'.

E e110a==99

TEXT e110a1

E110b. Per ...

E IsAnswered(e110) && e110!=0

SINGLE-SELECT e110b

01 ○ Per day
02 ○ Per week
03 ○ Per month
04 ○ Total for the whole low season

E114. What was the average purchase price paid of peanut (with shell) during low seasons? MMK...

E e1b==1 && e110!=0

NUMERIC: INTEGER e114

E114a. Per...

E IsAnswered(e114)

SINGLE-SELECT e114a

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other (Specify)

E114a1. Please specify the 'other'.

E e114a==99

TEXT e114a1

E110_2. What quantity of peanut (without shell) did you buy during the most recent low seasons?

NUMERIC: DECIMAL e110_2

I If the mill did not buy peanut (without shell), please enter '0'.

E e1b==1

E110a_2. Unit ...

E IsAnswered(e110_2) && e110_2!=0

SINGLE-SELECT e110a_2

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other

E110a1_2. Please specify the 'other'.

E e110a_2==99

TEXT e110a1_2

E110b_2. Per ...

E IsAnswered(e110_2) && e110_2!=0

SINGLE-SELECT e110b_2

01 ○ Per day
02 ○ Per week
03 ○ Per month
04 ○ Total for the whole low season

E114_2. What was the average purchase price paid of peanut (without shell) during low

NUMERIC: INTEGER e114_2

seasons?
MMK...

E e1b==1 && e110_2!=0

E114a_2. Per...

E IsAnswered(e114_2)

SINGLE-SELECT e114a_2

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other (Specify)

E114a1_2. Please specify the 'other'.

E e114a_2==99

TEXT e114a1_2

E1100. What quantity of peanut (with shell) did you buy during the intermediate seasons?

I If the mill did not buy peanut (with shell), please enter '0'.

E (e1a==2 && e1b==2) || (high+low<mth_e106) || ((e1a==1 && e1b==2)&&(high<mth_e106)) || ((e1a==2 && e1b==1)&&(low<mth_e106))

NUMERIC: DECIMAL e1100

E1100a. Unit ...

E IsAnswered(e1100) && e1100!=0

SINGLE-SELECT e1100a

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other (Specify)

E1100a1. Please specify the 'other'.

E e1100a==99

TEXT e1100a1

E1100b. Per ...

E IsAnswered(e1100) && e1100!=0

SINGLE-SELECT e1100b

01 ○ Per day
02 ○ Per week
03 ○ Per month
04 ○ Total for the whole intermediate season

E1144. What was the average purchase price paid of peanut (with shell) during Intermediate seasons?
MMK...

E ((e1a==2 && e1b==2) || (high+low<mth_e106) || ((e1a==1 && e1b==2)&&(high<mth_e106)) || ((e1a==2 && e1b==1)&&(low<mth_e106))) && e1100!=0

NUMERIC: INTEGER e1144

E1144a. Per...

E IsAnswered(e1144)

SINGLE-SELECT e1144a

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other (Specify)

E1144a1. Please specify the 'other'.

E e1144a==99

TEXT e1144a1

E1100_2. What quantity of peanut (without shell) did you buy during the intermediate seasons?

I If the mill did not buy peanut (without shell), please enter '0'.

E (e1a==2 && e1b==2) || (high+low<mth_e106) || ((e1a==1 &&

NUMERIC: DECIMAL e1100_2

e1b==2)&&(high<mth_e106)) || ((e1a==2 && e1b==1)&&(low<mth_e106))

E1100a_2. Unit ...

E IsAnswered(e1100_2) && e1100_2!=0

SINGLE-SELECT e1100a_2

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other (Specify)

E1100a1_2. Please specify the 'other'.

E e1100a_2==99

TEXT e1100a1_2

E1100b_2. Per ...

E IsAnswered(e1100_2) && e1100_2!=0

SINGLE-SELECT e1100b_2

01 ○ Per day
02 ○ Per week
03 ○ Per month
04 ○ Total for the whole intermediate season

E1144_2. What was the average purchase price paid of peanut (without shell) during Intermediate seasons?
MMK...

E ((e1a==2 && e1b==2) || (high+low<mth_e106) || ((e1a==1 && e1b==2)&&(high<mth_e106)) || ((e1a==2 && e1b==1)&&(low<mth_e106))) && e1100_2!=0

NUMERIC: INTEGER e1144_2

E1144a_2. Per...

E IsAnswered(e1144_2)

SINGLE-SELECT e1144a_2

01 ○ Viss
02 ○ Bag (equivalent to 1.5 baskets)
03 ○ Bag (equivalent to 3 baskets)
04 ○ Basket
99 ○ Other (Specify)

E1144a1_2. Please specify the 'other'.

E e1144a_2==99

TEXT e1144a1_2

E. INPUTS / PEANUT

CUSTOM MILLING PEANUT (IN THE LAST 12 MONTHS)

E e111.ContainsAny(4,5)

E112. What is the custom milling fee for peanut in 2017?
MMK...

E e111.ContainsAny(4,5)

NUMERIC: INTEGER e112

E112a. Unit ...

E IsAnswered(e112)

SINGLE-SELECT e112a

01 ○ Cycle
02 ○ Pyi
03 ○ Viss
04 ○ Bag (equivalent with 3 baskets)
05 ○ Bag (equivalent with 1.5 baskets)
06 ○ Basket

E112a_1. What amount of peanut (without shell) is equivalent to 1 cycle?

I Please enter the amount of peanut and its unit.(e.g. 1 viss, 1 basket, etc.)

E e112a==1

TEXT e112a_1

E112a_2. During which months in last 12, did you custom-mill peanut?

V1 `!(self.Contains(13) && self.Length>1)`
M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT `e112a_2`

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

VARIABLE

`e112a_2.Contains(13)? 12:e112a_2.Length`

DOUBLE `months_custom_milling_2017`

E112b_1. Were there any high months for custom milling peanut in the last 12 months?

SINGLE-SELECT `e112b_1`

- 01 ○ Yes
- 02 ○ No

E112c_1. Which are the high months for custom milling peanut in the last 12 months?

F e112a_2.Contains(13)||e112a_2.Contains(@optioncode)
E `e112b_1==1`
V1 `!e112c_2.ContainsAny(self)`
M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT `e112c_1`

- 01 ☐ Jan
- 02 ☐ Feb
- 03 ☐ Mar
- 04 ☐ Apr
- 05 ☐ May
- 06 ☐ Jun
- 07 ☐ July
- 08 ☐ Aug
- 09 ☐ Sep
- 10 ☐ Oct
- 11 ☐ Nov
- 12 ☐ Dec

VARIABLE

`IsAnswered(e112c_1)?e112c_1.Length:0`

DOUBLE `high_custom_milling_2017`

E112d_1. How much income did you make on average from custom milling peanuts each month during high season of the last 12 months?

E `e112b_1==1`

NUMERIC: DECIMAL `e112d_1`

E112d_1a. Kyat or Lakh Kyat?

E `IsAnswered(e112d_1)`
V1 `(e112d_1.InRange(100,99999) && self==1) || (e112d_1.InRange(0.1,100) && self==2)`
M1 ERROR! The selected option is not consistant with the amount of income you've entered.

SINGLE-SELECT `e112d_1a`

- 01 ○ Kyat
- 02 ○ Lakh Kyat

E112e_1. What quantity of peanuts did you custom mill on average during high season of the last 12 months?

E `e112b_1==1`

NUMERIC: INTEGER `e112e_1`

E112f_1. Unit ...

E `IsAnswered(e112e_1)`

SINGLE-SELECT `e112f_1`

- 01 ○ Cycle
- 02 ○ Pyi
- 03 ○ Viss
- 04 ○ Bag (equivalent with 3 baskets)

05 ○ Bag (equivalent with 1.5 baskets)
06 ○ Basket

E112b_2. Were there any low months for custom milling peanut in the last 12 months?

SINGLE-SELECT e112b_2

01 ○ Yes
02 ○ No

E112c_2. Which are the low months for custom milling peanut in the last 12 months?

F e112a_2.Contains(13)||e112a_2.Contains(@optioncode)
E e112b_2==1
V1 !e112c_1.ContainsAny(self)
M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT e112c_2

01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE

IsAnswered(e112c_2)?e112c_2.Length:0

DOUBLE low_custom_milling_2017

E112d_2. How much income did you make on average from custom milling peanuts each month during low season of the last 12 months?

E e112b_2==1

NUMERIC: DECIMAL e112d_2

E112d_2a. Kyat or Lakh Kyat?

E IsAnswered(e112d_2)
V1 (e112d_2.InRange(100,99999) && self==1) || (e112d_2.InRange(0.1,100) && self==2)
M1 ERROR! The selected option is not consistant with the amount of income you've entered.

SINGLE-SELECT e112d_2a

01 ○ Kyat
02 ○ Lakh Kyat

E112e_2. What quantity of peanuts did you custom mill on average during low season of the last 12 months?

E e112b_2==1

NUMERIC: INTEGER e112e_2

E112f_2. Unit ...

E IsAnswered(e112e_2)

SINGLE-SELECT e112f_2

01 ○ Cycle
02 ○ Pyi
03 ○ Viss
04 ○ Bag (equivalent with 3 baskets)
05 ○ Bag (equivalent with 1.5 baskets)
06 ○ Basket

E112d_3. How much income did you make on average from custom milling peanuts each month during intermediate season of the last 12 months?

E (e112b_1==2 && e112b_2==2) || (high_custom_milling_2017+low_custom_milling_2017<months_custom_milling_2017) || ((e112b_1==1 && e112b_2==2) && (high_custom_milling_2017<months_custom_milling_2017)) | And 87 other symbols [1]

NUMERIC: DECIMAL e112d_3

E112d_3a. Kyat or Lakh Kyat?

E IsAnswered(e112d_3)

SINGLE-SELECT e112d_3a

01 ○ Kyat
02 ○ Lakh Kyat

V1 `(e112d_3.InRange(100,99999) && self==1) || (e112d_3.InRange(0.1,100) && self==2)`

M1 ERROR! The selected option is not consistant with the amount of income you've entered.

E112e_3. What quantity of peanuts did you custom mill on average during intermediate season of the last 12 months?

NUMERIC: INTEGER e112e_3

E `(e112b_1==2 && e112b_2==2) || (high_custom_milling_2017+low_custom_milling_2017<months_custom_milling_2017) || ((e112b_1==1 && e112b_2==2) && (high_custom_milling_2017<months_custom_milling_2017)) | And 87 other symbols [2]`

E112f_3. Unit ...

SINGLE-SELECT e112f_3

E `IsAnswered(e112e_3)`

- 01 ○ Cycle
- 02 ○ Pyi
- 03 ○ Viss
- 04 ○ Bag (equivalent with 3 baskets)
- 05 ○ Bag (equivalent with 1.5 baskets)
- 06 ○ Basket

E. INPUTS / PEANUT

Roster: NEW ROSTER

generated by multi-select question e111 s_peanut

E `!e111.ContainsOnly(6)`

E115. Did the mill provide any credit to %s_peanut% during the last 12 months?

SINGLE-SELECT e115

- 01 ○ Yes
- 02 ○ No
- 03 ○ Not Applicable

E116. What share of %s_peanut% did you provide credit to during the last 12 months? %

NUMERIC: DECIMAL e116

E `e115==1`

V1 `self.InRange(1,100)`

M1 The share % should be in the range of 1 to 100.

E117. What was the average value of loan provided to %s_peanut%?

NUMERIC: DECIMAL e117

E `e115==1`

E117a. Unit...

SINGLE-SELECT e117a

E `IsAnswered(e117)`

V1 `(e117.InRange(10000,99999) && self==1) || (e117.InRange(0.1,2000) && self==2)`

M1 ERROR! The selected option is not consistant with the average value of loan you've entered.

- 01 ○ MMK
- 02 ○ Lakh Kyat

E118. Was this in cash or kind?

SINGLE-SELECT e118

E `e115==1`

- 01 ○ In Cash
- 02 ○ In Kind
- 03 ○ Both

E119. Did you charge interest?

SINGLE-SELECT e119

E `e115==1`

- 01 ○ Yes
- 02 ○ No

E120. Did this loan committ the recipient to sell part or all of their product to you?

SINGLE-SELECT e120

E `e115==1`

- 01 ○ Yes
- 02 ○ No

E121. Did you buy or custom-mill peanut in 2012?

E `c100<=2012 || c100==9997`

SINGLE-SELECT e121

01 ○ Yes
02 ○ No

E. INPUTS / PEANUT

2012

E `e121==1`

E127. From where did you source peanut in 2012?

MULTI-SELECT e127

01 ☐ Purchase from farmer
02 ☐ Purchase from trader
03 ☐ Purchase from peanut thresher
04 ☐ Custom milling for farmer (milling for a fee)
05 ☐ Custom milling for trader (milling for a fee)
06 ☐ Own Production
99 ☐ Other (Specify)

E127a. Specify your answer

E `e127.Contains(99)`

TEXT e127a

E122. During which months in 2012 did you buy peanut?

E `!e127.ContainsOnly(4,5)`
V1 `!(self.Contains(13) && self.Length>1)`
M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT e122

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

VARIABLE

`e122.Contains(13)? 12:e122.Length`

DOUBLE mth_e122

E2a. Are there any High seasons for purshasing of peanut?

E `!e127.ContainsOnly(4,5)`

SINGLE-SELECT e2a

01 ○ Yes
02 ○ No

E123. Among months you bought peanut, which were the high seasons for purchase of peanut

F e122.Contains(13) || e122.Contains(@optioncode)
E `e2a==1`
V1 `!e124.ContainsAny(self)`
M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT e123

01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE

DOUBLE high_e123

(e123.Length>=1 && IsAnswered(e123))? e123.Length:0

E125. What quantity of peanut (with shell) did you buy during the most recent peak months in 2012?

NUMERIC: DECIMAL e125

I If the mill did not buy peanut (with shell), please enter '0'.

E e2a==1

E125a. Unit ...

E IsAnswered(e125) && e125!=0

SINGLE-SELECT e125a

01 ○ Viss
02 ○ Bag (equivalent 3 baskets)
03 ○ Bag (equivalent 1.5 baskets)
04 ○ Basket
99 ○ Other (Specify)

E125a1. Please specify the 'other'.

E e125a==99

TEXT e125a1

E125b. Per ...

E IsAnswered(e125) && e125!=0

SINGLE-SELECT e125b

01 ○ Per day
02 ○ Per week
03 ○ Per month
04 ○ Total for the whole high season

E125_2. What quantity of peanut (without shell) did you buy during the most recent peak months in 2012?

NUMERIC: DECIMAL e125_2

I If the mill did not buy peanut (without shell), please enter '0'.

E e2a==1

E125a_2. Unit ...

E IsAnswered(e125_2) && e125_2!=0

SINGLE-SELECT e125a_2

01 ○ Viss
02 ○ Bag (equivalent 3 baskets)
03 ○ Bag (equivalent 1.5 baskets)
04 ○ Basket
99 ○ Other (Specify)

E125a1_2. Please specify the 'other'.

E e125a_2==99

TEXT e125a1_2

E125b_2. Per ...

E IsAnswered(e125_2) && e125_2!=0

SINGLE-SELECT e125b_2

01 ○ Per day
02 ○ Per week
03 ○ Per month
04 ○ Total for the whole high season

E2b. Are there any Low seasons for purshasing of peanut?

E !e127.ContainsOnly(4,5)

SINGLE-SELECT e2b

01 ○ Yes
02 ○ No

E124. Among months you bought peanut, which were the low seasons for purchase of peanut

F e122.Contains(13) || e122.Contains(@optioncode)

E e2b==1

V1 !e123.ContainsAny(self)

M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT e124

01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug

09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE

```
(e124.Length>=1 && IsAnswered(e124))? e124.Length:0
```

DOUBLE low_e124

E126. What quantity of peanut (with shell) did you buy during the most recent lean months in 2012?

I If the mill did not buy peanut (with shell), please enter '0'.

E `e2b==1`

NUMERIC: DECIMAL e126

E126a. Unit ...

E `IsAnswered(e126) && e126!=0`

SINGLE-SELECT e126a

01 ○ Viss
02 ○ Bag (equivalent 3 baskets)
03 ○ Bag (equivalent 1.5 baskets)
04 ○ Basket
99 ○ Other (Specify)

E126a1. Please specify the 'other'.

E `e126a==99`

TEXT e126a1

E126b. Per ...

E `IsAnswered(e126) && e126!=0`

SINGLE-SELECT e126b

01 ○ Per day
02 ○ Per week
03 ○ Per month
04 ○ Total for the whole low season

E126_2. What quantity of peanut (without shell) did you buy during the most recent lean months in 2012?

I If the mill did not buy peanut (without shell), please enter '0'.

E `e2b==1`

NUMERIC: DECIMAL e126_2

E126a_2. Unit ...

E `IsAnswered(e126_2) && e126_2!=0`

SINGLE-SELECT e126a_2

01 ○ Viss
02 ○ Bag (equivalent 3 baskets)
03 ○ Bag (equivalent 1.5 baskets)
04 ○ Basket
99 ○ Other (Specify)

E126a1_2. Please specify the 'other'.

E `e126a_2==99`

TEXT e126a1_2

E126b_2. Per ...

E `IsAnswered(e126_2) && e126_2!=0`

SINGLE-SELECT e126b_2

01 ○ Per day
02 ○ Per week
03 ○ Per month
04 ○ Total for the whole low season

E1266. What quantity of peanut (with shell) did you buy during the intermediate months in 2012?

I If the mill did not buy peanut (with shell), please enter '0'.

E `(e2a==2 && e2b==2) || (high_e123+low_e124<mth_e122) || ((e2a==1 && e2b==2)&&(high_e123<mth_e122)) || ((e2a==2 && e2b==1)&&(low_e124<mth_e122))`

NUMERIC: DECIMAL e1266

E1266a. Unit ...

SINGLE-SELECT e1266a

E IsAnswered(e1266) && e1266!=0

01 ○ Viss
02 ○ Bag (equivalent 3 baskets)
03 ○ Bag (equivalent 1.5 baskets)
04 ○ Basket
99 ○ Other (Specify)

E1266a1. Please specify the 'other'.

E e1266a==99

TEXT e1266a1

E1266b. Per ...

E IsAnswered(e1266) && e1266!=0

SINGLE-SELECT e1266b

01 ○ Per day
02 ○ Per week
03 ○ Per month
04 ○ Total for the whole intermediate season

E1266_2. What quantity of peanut (without shell) did you buy during the intermediate months in 2012?

I If the mill did not buy peanut (without shell), please enter '0'.

E (e2a==2 && e2b==2) || (high_e123+low_e124<mth_e122) || ((e2a==1 && e2b==2)&&(high_e123<mth_e122)) || ((e2a==2 && e2b==1)&&(low_e124<mth_e122))

NUMERIC: DECIMAL e1266_2

E1266a_2. Unit ...

E IsAnswered(e1266_2) && e1266_2!=0

SINGLE-SELECT e1266a_2

01 ○ Viss
02 ○ Bag (equivalent 3 baskets)
03 ○ Bag (equivalent 1.5 baskets)
04 ○ Basket
99 ○ Other (Specify)

E1266a1_2. Please specify the 'other'.

E e1266a_2==99

TEXT e1266a1_2

E1266b_2. Per ...

E IsAnswered(e1266_2) && e1266_2!=0

SINGLE-SELECT e1266b_2

01 ○ Per day
02 ○ Per week
03 ○ Per month
04 ○ Total for the whole intermediate season

E. INPUTS / PEANUT / 2012

CUSTOM MILLING PEANUT 2012

E e127.ContainsAny(4,5)

E128. What is the custom milling fee for peanut in 2012?
MMK...

E e127.ContainsAny(4,5)

NUMERIC: DECIMAL e128

E128a. Unit ...

E IsAnswered(e128)

SINGLE-SELECT e128a

01 ○ Cycle
02 ○ Pyi
03 ○ Viss
04 ○ Bag (equivalent with 3 basket)
05 ○ Bag (equivalent with 1.5 basket)
06 ○ Basket

E128a_1. What amount of peanut (without shell) is equivalent to 1 cycle?

TEXT e128a_1

I Please enter the amount of peanut and its unit.(e.g. 1 viss, 1 basket, etc.)

E `e128a==1`

E128a_2. During which months in 2012, did you custom-mill peanut?

MULTI-SELECT `e128a_2`

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

V1 `!(self.Contains(13) && self.Length>1)`

M1 If you choose "All 12 months", other options cannot be selected.

VARIABLE

`e128a_2.Contains(13)? 12:e128a_2.Length`

DOUBLE `months_custom_milling_2012`

E128b_1. Were there any high months for custom milling peanut in 2012?

SINGLE-SELECT `e128b_1`

- 01 ○ Yes
- 02 ○ No

E128c_1. Which are the high months for custom milling peanut in 2012?

MULTI-SELECT `e128c_1`

- 01 ☐ Jan
- 02 ☐ Feb
- 03 ☐ Mar
- 04 ☐ Apr
- 05 ☐ May
- 06 ☐ Jun
- 07 ☐ July
- 08 ☐ Aug
- 09 ☐ Sep
- 10 ☐ Oct
- 11 ☐ Nov
- 12 ☐ Dec

F e128a_2.Contains(13) || e128a_2.Contains(@optioncode)

E `e128b_1==1`

V1 `!e128c_2.ContainsAny(self)`

M1 High, Intermediate and Low months should not be the same.

VARIABLE

`IsAnswered(e128c_1)?e128c_1.Length:0`

DOUBLE `high custom milling 2012`

E128d_1. How much income did you make on average from custom milling peanuts each month during high season of 2012?

NUMERIC: DECIMAL `e128d_1`

E `e128b_1==1`

E128d_1a. Kyat or Lakh Kyat?

SINGLE-SELECT `e128d_1a`

- 01 ○ Kyat
- 02 ○ Lakh Kyat

E `IsAnswered(e128d_1)`

V1 `(e128d_1.InRange(100,99999) && self==1) || (e128d_1.InRange(0.1,100) && self==2)`

M1 ERROR! The selected option is not consistant with the amount of income you've entered.

E128e_1. What quantity of peanuts did you custom mill on average during high season in 2012?

NUMERIC: INTEGER `e128e_1`

E `e128b_1==1`

E128f_1. Unit ...

SINGLE-SELECT `e128f_1`

- 01 ○ Cycle
- 02 ○ Pyi

E `IsAnswered(e128e_1)`

03 ○ Viss
04 ○ Bag (equivalent with 3 baskets)
05 ○ Bag (equivalent with 1.5 baskets)
06 ○ Basket

E128b_2. Were there any low months for custom milling peanut in 2012?

SINGLE-SELECT e128b_2

01 ○ Yes
02 ○ No

E128c_2. Which are the low months for custom milling peanut in 2012?

F e128a_2.Contains(13)||e128a_2.Contains(@optioncode)
E e128b_2==1
V1 !e128c_1.ContainsAny(self)
M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT e128c_2

01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE

IsAnswered(e128c_2)?e128c_2.Length:0

DOUBLE low_custom_milling_2012

E128d_2. How much income did you make on average from custom milling peanuts each month during low season in 2012?

E e128b_2==1

NUMERIC: DECIMAL e128d_2

E128d_2a. Kyat or Lakh Kyat?

E IsAnswered(e128d_2)
V1 (e128d_2.InRange(100,99999) && self==1) || (e128d_2.InRange(0.1,100) && self==2)
M1 ERROR! The selected option is not consistant with the amount of income you've entered.

SINGLE-SELECT e128d_2a

01 ○ Kyat
02 ○ Lakh Kyat

E128e_2. What quantity of peanuts did you custom mill on average during low season in 2012?

E e128b_2==1

NUMERIC: INTEGER e128e_2

E128f_2. Unit ...

E IsAnswered(e128e_2)

SINGLE-SELECT e128f_2

01 ○ Cycle
02 ○ Pyi
03 ○ Viss
04 ○ Bag (equivalent with 3 baskets)
05 ○ Bag (equivalent with 1.5 baskets)
06 ○ Basket

E128d_3. How much income did you make on average from custom milling peanuts each month during intermediate season?

E (e128b_1==2 && e128b_2==2) || (high_custom_milling_2012+low_custom_milling_2012<months_custom_milling_2012) || ((e128b_1==1 && e128b_2==2) && (high_custom_milling_2012<months_custom_milling_2012)) | And 87 other symbols [5]

NUMERIC: DECIMAL e128d_3

E128d_3a. Kyat or Lakh Kyat?

E IsAnswered(e128d_3)

SINGLE-SELECT e128d_3a

01 ○ Kyat
02 ○ Lakh Kyat

V1 (e128d_3.InRange(100,99999) && self==1) || (e128d_3.InRange(0.1,100) && self==2)

M1 ERROR! The selected option is not consistant with the amount of income you've entered.

E128e_3. What quantity of peanuts did you custom mill on average during intermediate season?

NUMERIC: INTEGER e128e_3

E (e128b_1==2 && e128b_2==2) || (high_custom_milling_2012+low_custom_milling_2012<months_custom_milling_2012) || ((e128b_1==1 && e128b_2==2) && (high_custom_milling_2012<months_custom_milling_2012)) | And 87 other symbols [6]

E128f_3. Unit ...

SINGLE-SELECT e128f_3

E IsAnswered(e128e_3)

- 01 ○ Cycle
- 02 ○ Pyi
- 03 ○ Viss
- 04 ○ Bag (equivalent with 3 baskets)
- 05 ○ Bag (equivalent with 1.5 baskets)
- 06 ○ Basket

E. INPUTS / PEANUT / 2012

Roster: NEW ROSTER

generated by multi-select question e127 s_peanut_2011

E !e127.ContainsOnly(6)

E129. Did the mill provide any credit to %s_peanut_2011% during 2012?

SINGLE-SELECT e129

- 01 ○ Yes
- 02 ○ No
- 03 ○ Not Applicable

E130. Did this loan committ the recipient to sell part or all of their product to you?

SINGLE-SELECT E130

E e129==1

- 01 ○ Yes
- 02 ○ No

E131. What share of %s_peanut_2011% did you provide credit to during 2012?

NUMERIC: DECIMAL e131

E e129==1

V1 self.InRange(1,100)

M1 The share % should be in the range of 1 and 100.

E. INPUTS

SESAME

E e100.Contains(2) && e102a==2

E137. From where did you buy source during the last 12 months?

MULTI-SELECT e137

E e100.Contains(2)

- 01 ☐ Purchase from farmer
- 02 ☐ Purchase from trader
- 03 ☐ Custom milling for farmer (milling for a fee)
- 04 ☐ Custom milling for trader (milling for a fee)
- 05 ☐ Own production
- 99 ☐ Other (Specify)

E137a. Specify your answer

TEXT e137a

E e137.Contains(99)

E132. During which months in last 12 did you

MULTI-SELECT e132

buy sesame?

E `!e137.ContainsOnly(3,4,5)`
V1 `!(self.Contains(13) && self.Length>1)`
M1 If you choose "All 12 months", other options cannot be selected.

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

VARIABLE
`e132.Contains(13)? 12:e132.Length`

DOUBLE `mths_e132`

E11a. Are there any High seasons for purshasing of sesame?

E `!e137.ContainsOnly(3,4,5)`

SINGLE-SELECT `e11a`

- ○ 01 Yes
- ○ 02 No

E133. Among months you bought sesame, which were the high seasons for purchase of sesame?

F e132.Contains(13) || e132.Contains(@optioncode)
E `e11a==1`
V1 `!e134.ContainsAny(self)`
M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT `e133`

- [ ] 01 Jan
- [ ] 02 Feb
- [ ] 03 Mar
- [ ] 04 Apr
- [ ] 05 May
- [ ] 06 Jun
- [ ] 07 July
- [ ] 08 Aug
- [ ] 09 Sep
- [ ] 10 Oct
- [ ] 11 Nov
- [ ] 12 Dec

VARIABLE
`(e133.Length>=1 && IsAnswered(e133))? e133.Length:0`

DOUBLE `high e133`

E135. What quantity of sesame did you buy during the most recent peak months?

E `e11a==1`

NUMERIC: DECIMAL `e135`

E135a. Unit ...

E `e11a==1`

SINGLE-SELECT `e135a`

- ○ 01 Viss
- ○ 02 Bag (equivalent 3 baskets)
- ○ 03 Bag (equivalent 1.5 baskets)
- ○ 04 Basket
- ○ 99 Other (Specify)

E135a1. Please specify the 'other'.

E `e11a==1 && e135a==99`

TEXT `e135a1`

E135b. Per ...

E `e11a==1`

SINGLE-SELECT `e135b`

- ○ 01 Per day
- ○ 02 Per week
- ○ 03 Per month
- ○ 04 Total for the whole high season

E11b. Are there any Low seasons for purshasing of sesame?

E `!e137.ContainsOnly(3,4,5)`

SINGLE-SELECT `e11b`

- ○ 01 Yes
- ○ 02 No

E134. Among months you bought sesame, which were the low seasons for purchase of sesame?

F e132.Contains(13) || e132.Contains(@optioncode)
E e11b==1
V1 !e133.ContainsAny(self)
M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT e134

- 01 ☐ Jan
- 02 ☐ Feb
- 03 ☐ Mar
- 04 ☐ Apr
- 05 ☐ May
- 06 ☐ Jun
- 07 ☐ July
- 08 ☐ Aug
- 09 ☐ Sep
- 10 ☐ Oct
- 11 ☐ Nov
- 12 ☐ Dec

VARIABLE

(e134.Length>=1 && IsAnswered(e134))? e134.Length:0

DOUBLE low e134

E136. What quantity of sesame did you buy during the most recent lean months?

E e11b==1

NUMERIC: DECIMAL e136

E136a. Unit ...

E e11b==1

SINGLE-SELECT e136a

- 01 ○ Viss
- 02 ○ Bag (equivalent 3 baskets)
- 03 ○ Bag (equivalent 1.5 baskets)
- 04 ○ Basket
- 99 ○ Other (Specify)

E136a1. Please specify the 'other'.

E e11b==1 && e136a==99

TEXT e136a1

E136b. Per ...

E e11b==1

SINGLE-SELECT e136b

- 01 ○ Per day
- 02 ○ Per week
- 03 ○ Per month
- 04 ○ Total for the whole low season

E1366. What quantity of sesame did you buy during the intermediate seasons?

E (e11a==2 && e11b==2) || (high_e133+low_e134<mths_e132) || ((e11a==1 && e11b==2)&&(high_e133<mths_e132)) || ((e11a==2 && e11b==1)&&(low_e134<mths_e132))

NUMERIC: DECIMAL e1366

E1366a. Unit ...

E (e11a==2 && e11b==2) || (high_e133+low_e134<mths_e132) || ((e11a==1 && e11b==2)&&(high_e133<mths_e132)) || ((e11a==2 && e11b==1)&&(low_e134<mths_e132))

SINGLE-SELECT e1366a

- 01 ○ Viss
- 02 ○ Bag (equivalent 3 baskets)
- 03 ○ Bag (equivalent 1.5 baskets)
- 04 ○ Basket
- 99 ○ Other (Specify)

E1366a1. Please specify the 'other'.

E ((e11a==2 && e11b==2) || (high_e133+low_e134<mths_e132) || ((e11a==1 && e11b==2)&&(high_e133<mths_e132)) || ((e11a==2 && e11b==1)&&(low_e134<mths_e132))) && e1366a==99

TEXT e1366a1

E1366b. Per ...

E (e11a==2 && e11b==2) || (high_e133+low_e134<mths_e132) || ((e11a==1 && e11b==2)&&(high_e133<mths_e132)) || ((e11a==2 && e11b==1)&&(low_e134<mths_e132))

SINGLE-SELECT e1366b

- 01 ○ Per day
- 02 ○ Per week
- 03 ○ Per month
- 04 ○ Total for the whole intermediate season

E139. What was the average purchase price paid of sesame during high seasons?
MMK...

NUMERIC: DECIMAL e139

E e11a==1

E139a. Per...

SINGLE-SELECT e139a

E IsAnswered(e139)

01 ○ Viss
02 ○ Bag (equivalent 3 baskets)
03 ○ Bag (equivalent 1.5 baskets)
04 ○ Basket
99 ○ Other (Specify)

E139a1. Please specify the 'other'.

TEXT e139a1

E e139a==99

E140. What was the average purchase price paid of sesame during low seasons?
MMK...

NUMERIC: DECIMAL e140

E e11b==1

E140a. Per...

SINGLE-SELECT e140a

E IsAnswered(e140)

01 ○ Viss
02 ○ Bag (equivalent 3 baskets)
03 ○ Bag (equivalent 1.5 baskets)
04 ○ Basket
99 ○ Other (Specify)

E140a1. Please specify the 'other'.

TEXT e140a1

E e140a==99

E1400. What was the average purchase price paid of sesame during Intermediate seasons?
MMK...

NUMERIC: DECIMAL e1400

E (e11a==2 && e11b==2) || (high+low<mths_e132) || ((e11a==1 && e11b==2)&&(high_e133<mths_e132)) || ((e11a==2 && e11b==1)&&(low_e134<mths_e132))

E1400a. Per...

SINGLE-SELECT e1400a

E IsAnswered(e1400)

01 ○ Viss
02 ○ Bag (equivalent 3 baskets)
03 ○ Bag (equivalent 1.5 baskets)
04 ○ Basket
99 ○ Other (Specify)

E1400a1. Please specify the 'other'.

TEXT e1400a1

E e1400a==99

E. INPUTS / SESAME

CUTOM MILLING SESAME (IN THE LAST 12 MONTHS)

E e137.ContainsAny(3,4)

E138. What is the custom milling fee for sesame in 2017?
MMK...

NUMERIC: DECIMAL e138

E138a. Unit ...

SINGLE-SELECT e138a

E IsAnswered(e138)

01 ○ Cycle
02 ○ Pyi

03 ○ Viss
04 ○ Bag (equivalent with 3 basket)
05 ○ Bag (equivalent with 1.5 basket)
06 ○ Basket

E138a_1. What amount of sesame is equivalent to 1 cycle?

I Please enter the amount of sesame and its unit.(e.g. 1 viss, 1 basket, etc.)
E e138a==1

TEXT e138a_1

E138a_2. During which months in last 12, did you custom-mill sesame?

V1 !(self.Contains(13) && self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT e138a_2
13 ☐ All 12 months
01 ☐ January
02 ☐ February
03 ☐ March
04 ☐ April
05 ☐ May
06 ☐ June
07 ☐ July
08 ☐ August
09 ☐ September
10 ☐ October
11 ☐ November
12 ☐ December

VARIABLE
e138a_2.Contains(13)? 12:e138a_2.Length

DOUBLE mths_custom_milling_2017

E138b_1. Were there any high months for custom milling sesame in the last 12 months?

SINGLE-SELECT e138b_1
01 ○ Yes
02 ○ No

E138c_1. Which are the high months for custom milling sesame in the last 12 months?

F e138a_2.Contains(13)||e138a_2.Contains(@optioncode)
E e138b_1==1
V1 !e138c_2.ContainsAny(self)
M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT e138c_1
01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE
IsAnswered(e138c_1)?e138c_1.Length:0

DOUBLE h_custom_milling_2017

E138d_1. How much income did you make on average from custom milling sesame each month during high season of the last 12 months?

E e138b_1==1

NUMERIC: DECIMAL e138d_1

E138d_1a. Kyat or Lakh Kyat?

E IsAnswered(e138d_1)
V1 (e138d_1.InRange(100,99999) && self==1) || (e138d_1.InRange(0.1,100) && self==2)
M1 ERROR! The selected option is not consistant with the amount of income you've entered.

SINGLE-SELECT e138d_1a
01 ○ Kyat
02 ○ Lakh Kyat

E138e_1. What quantity of sesame did you custom mill on average during high season of the last 12 months?

E e138b_1==1

NUMERIC: INTEGER e138e_1

E138f_1. Unit ...

E IsAnswered(e138e_1)

SINGLE-SELECT e138f_1

01 ○ Cycle
02 ○ Pyi
03 ○ Viss
04 ○ Bag (equivalent with 3 baskets)
05 ○ Bag (equivalent with 1.5 baskets)
06 ○ Basket

E138b_2. Were there any low months for custom milling sesame in the last 12 months?

SINGLE-SELECT e138b_2

01 ○ Yes
02 ○ No

E138c_2. Which are the low months for custom milling sesame in the last 12 months?

F e138a_2.Contains(13)||e138a_2.Contains(@optioncode)
E e138b_2==1
V1 !e138c_1.ContainsAny(self)
M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT e138c_2

01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE

IsAnswered(e138c_2)?e138c_2.Length:0

DOUBLE l_custom_milling_2017

E138d_2. How much income did you make on average from custom milling sesame each month during low season of the last 12 months?

E e138b_2==1

NUMERIC: DECIMAL e138d_2

E138d_2a. Kyat or Lakh Kyat?

E IsAnswered(e138d_2)
V1 (e138d_2.InRange(100,99999) && self==1) || (e138d_2.InRange(0.1,100) && self==2)
M1 ERROR! The selected option is not consistant with the amount of income you've entered.

SINGLE-SELECT e138d_2a

01 ○ Kyat
02 ○ Lakh Kyat

E138e_2. What quantity of sesame did you custom mill on average during low season of the last 12 months?

E e138b_2==1

NUMERIC: INTEGER e138e_2

E138f_2. Unit ...

E IsAnswered(e138e_2)

SINGLE-SELECT e138f_2

01 ○ Cycle
02 ○ Pyi
03 ○ Viss
04 ○ Bag (equivalent with 3 baskets)
05 ○ Bag (equivalent with 1.5 baskets)
06 ○ Basket

E138d_3. How much income did you make on

NUMERIC: DECIMAL e138d_3

average from custom milling sesame each month during intermediate season of the last 12 months?

E `(e138b_1==2 && e138b_2==2) || (h_custom_milling_2017+l_custom_milling_2017<mths_custom_milling_2017) || ((e138b_1==1 && e138b_2==2) && (h_custom_milling_2017<mths_custom_milling_2017)) || ((e138b_1` And 71 other symbols [3]

E138d_3a. Kyat or Lakh Kyat?

SINGLE-SELECT e138d_3a

01 ○ Kyat
02 ○ Lakh Kyat

E `IsAnswered(e138d_3)`

V1 `(e138d_3.InRange(100,99999) && self==1) || (e138d_3.InRange(0.1,100) && self==2)`

M1 ERROR! The selected option is not consistant with the amount of income you've entered.

E138e_3. What quantity of sesame did you custom mill on average during intermediate season of the last 12 months?

NUMERIC: INTEGER e138e_3

E `(e138b_1==2 && e138b_2==2) || (h_custom_milling_2017+l_custom_milling_2017<mths_custom_milling_2017) || ((e138b_1==1 && e138b_2==2) && (h_custom_milling_2017<mths_custom_milling_2017)) || ((e138b_1` And 71 other symbols [4]

E138f_3. Unit ...

SINGLE-SELECT e138f_3

01 ○ Cycle
02 ○ Pyi
03 ○ Viss
04 ○ Bag (equivalent with 3 baskets)
05 ○ Bag (equivalent with 1.5 baskets)
06 ○ Basket

E `IsAnswered(e138e_3)`

E. INPUTS / SESAME

Roster: NEW ROSTER

generated by multi-select question e137 sesame

E `!e137.ContainsOnly(5)`

E141. Did the mill provide any credit to %sesame% during the last 12 months?

SINGLE-SELECT e141

01 ○ Yes
02 ○ No
03 ○ Not Applicable

E142. What share of %sesame% did you provide credit to during the last 12 months? %

NUMERIC: DECIMAL e142

E `e141==1`

V1 `self.InRange(1,100)`

M1 Percentage should not be between 1 and 100.

E143. What was the average value of loan provided to %sesame%?

NUMERIC: DECIMAL e143

E `e141==1`

E143a. MMK or Lakh Kyat ?

SINGLE-SELECT e143a

01 ○ MMK
02 ○ Lakh Kyat

E `IsAnswered(e143)`

V1 `(e143.InRange(10000,99999) && self==1) || (e143.InRange(0.1,2000) && self==2)`

M1 ERROR! The selected option is not consistant with the amount of loan you've entered.

E144. Was this in cash or kind?

SINGLE-SELECT e144

01 ○ In Cash

E e141==1

02 ○ In Kind
03 ○ Both

E145. Did you charge interest?

E e141==1

SINGLE-SELECT e145

01 ○ Yes
02 ○ No

E146. Did this loan committ the recipient to sell part or all of their product to you?

E e141==1

SINGLE-SELECT e146

01 ○ Yes
02 ○ No

E147. Did you buy or custom-mill sesame in 2012?

E c100<=2012 || c100==9997

SINGLE-SELECT e147

01 ○ Yes
02 ○ No

E. INPUTS / SESAME

2012

E e147==1

E153. From where did you source sesame from in 2012?

MULTI-SELECT e153

01 ☐ Purchase from farmer
02 ☐ Purchase from trader
03 ☐ Custom milling for farmer (milling for a fee)
04 ☐ Custom milling for trader (milling for a fee)
05 ☐ Own Production
99 ☐ Other (Specify)

E153a. Specify your answer

E e153.Contains(99)

TEXT e153a

E148. During which months in 2012 did you buy sesame?

E !e153.ContainsOnly(3,4)
V1 !(self.Contains(13) && self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT e148

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

VARIABLE

e148.Contains(13)? 12:e148.Length

DOUBLE mth_e148

E22a. Are there any High seasons for purshasing of sesame?

E !e153.ContainsOnly(3,4)

SINGLE-SELECT e22a

01 ○ Yes
02 ○ No

E149. Among months you bought sesame, which were the high seasons for purchase of sesame?

F e148.Contains(13) || e148.Contains(@optioncode)
E e22a==1
V1 !e150.ContainsAny(self)

MULTI-SELECT e149

01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May

M1 High, Intermediate and Low months should not be the same.

06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE

(e149.Length>=1 && IsAnswered(e149))? e149.Length:0

DOUBLE high_e149

E151. What quantity of sesame did you buy during the most recent peak months in 2012?

E e22a==1

NUMERIC: DECIMAL e151

E151a. Unit ...

E e22a==1

SINGLE-SELECT e151a

01 ○ Viss
02 ○ Bag (equivalent 3 baskets)
03 ○ Bag (equivalent 1.5 baskets)
04 ○ Basket
99 ○ Other (Specify)

E151a1. Please specify the 'other'.

E e22a==1 && e151a==99

TEXT e151a1

E151b. Per ...

E e22a==1

SINGLE-SELECT e151b

01 ○ Per day
02 ○ Per week
03 ○ Per month
04 ○ Total for the whole high season

E22b. Are there any Low seasons for purshasing of sesame?

E !e153.ContainsOnly(3,4)

SINGLE-SELECT e22b

01 ○ Yes
02 ○ No

E150. Among months you bought sesame, which were the low seasons for purchase of sesame?

F e148.Contains(13) || e148.Contains(@optioncode)
E e22b==1
V1 !e149.ContainsAny(self)
M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT e150

01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE

(e150.Length>=1 && IsAnswered(e150))? e150.Length:0

DOUBLE low_e150

E152. What quantity of sesame did you buy during the most recent lean months in 2012?

E e22b==1

NUMERIC: DECIMAL e152

E152a. Unit ...

E e22b==1

SINGLE-SELECT e152a

01 ○ Viss
02 ○ Bag (equivalent 3 baskets)
03 ○ Bag (equivalent 1.5 baskets)
04 ○ Basket

99 ○ Other (Specify)

E152a1. Please specify the 'other'.

E e22b==1 && e152a==99

TEXT e152a1

E152b. Per ...

E e22b==1

SINGLE-SELECT e152b

01 ○ Per day
02 ○ Per week
03 ○ Per month
04 ○ Total for the whole low season

E1522. What quantity of sesame did you buy during the intermediate months in 2012?

E (e22a==2 && e22b==2) || (high_e149+low_e150<mth_e148) || ((e22a==1 && e22b==2)&&(high_e149<mth_e122)) || ((e22a==2 && e22b==1)&&(low_e150<mth_e122))

NUMERIC: DECIMAL e1522

E1522a. Unit ...

E (e22a==2 && e22b==2) || (high_e149+low_e150<mth_e148) || ((e22a==1 && e22b==2)&&(high_e149<mth_e122)) || ((e22a==2 && e22b==1)&&(low_e150<mth_e122))

SINGLE-SELECT e1522a

01 ○ Viss
02 ○ Bag (equivalent 3 baskets)
03 ○ Bag (equivalent 1.5 baskets)
04 ○ Basket
99 ○ Other (Specify)

E1522a1. Please specify the 'other'.

E ((e22a==2 && e22b==2) || (high_e149+low_e150<mth_e148) || ((e22a==1 && e22b==2)&&(high_e149<mth_e122)) || ((e22a==2 && e22b==1)&&(low_e150<mth_e122))) && e1522a==99

TEXT e1522a1

E1522b. Per ...

E (e22a==2 && e22b==2) || (high_e149+low_e150<mth_e148) || ((e22a==1 && e22b==2)&&(high_e149<mth_e122)) || ((e22a==2 && e22b==1)&&(low_e150<mth_e122))

SINGLE-SELECT e1522b

01 ○ Per day
02 ○ Per week
03 ○ Per month
04 ○ Total for the whole intemediate season

E. INPUTS / SESAME / 2012

CUSTOM MILLING SESAME 2012

E e153.ContainsAny(3,4)

E154. What is the custom milling fee for sesame in 2012?
MMK...

E e153.ContainsAny(3,4)

NUMERIC: DECIMAL e154

E154a. Unit ...

E IsAnswered(e154)

SINGLE-SELECT e154a

01 ○ Cycle
02 ○ Pyi
03 ○ Viss
04 ○ Bag (equivalent with 3 basket)
05 ○ Bag (equivalent with 1.5 basket)
06 ○ Basket

E154a_1. What amount of sesame is equivalent to 1 cycle?

I Please enter the amount of sesame and its unit.(e.g. 1 viss, 1 basket, etc.)

E e154a==1

TEXT e154a_1

MULTI-SELECT e154a_2

E154a_2. During which months in 2012, did you custom-mill sesame?

V1 `!(self.Contains(13) && self.Length>1)`
M1 If you choose "All 12 months", other options cannot be selected.

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

VARIABLE
`e154a_2.Contains(13)? 12:e154a_2.Length`

DOUBLE `mths custom milling 2012`

E154b_1. Were there any high months for custom milling sesame in 2012?

SINGLE-SELECT `e154b_1`
01 ○ Yes
02 ○ No

E154c_1. Which are the high months for custom milling sesame in 2012?

F e154a_2.Contains(13)||e154a_2.Contains(@optioncode)
E `e154b_1==1`
V1 `!e154c_2.ContainsAny(self)`
M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT `e154c_1`
01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE
`IsAnswered(e154c_1)?e154c_1.Length:0`

DOUBLE `h custom milling 2012`

E154d_1. How much income did you make on average from custom milling sesame each month during high season of 2012?

E `e154b_1==1`

NUMERIC: DECIMAL `e154d_1`

E154d_1a. Kyat or Lakh Kyat?

E `IsAnswered(e154d_1)`
V1 `(e154d_1.InRange(100,99999) && self==1) || (e154d_1.InRange(0.1,100) && self==2)`
M1 ERROR! The selected option is not consistant with the amount of income you've entered.

SINGLE-SELECT `e154d_1a`
01 ○ Kyat
02 ○ Lakh Kyat

E154e_1. What quantity of sesame did you custom mill on average during high season in 2012?

E `e154b_1==1`

NUMERIC: INTEGER `e154e_1`

E154f_1. Unit ...

E `IsAnswered(e154e_1)`

SINGLE-SELECT `e154f_1`
01 ○ Cycle
02 ○ Pyi
03 ○ Viss
04 ○ Bag (equivalent with 3 baskets)
05 ○ Bag (equivalent with 1.5 baskets)
06 ○ Basket

E154b_2. Were there any low months for custom milling sesame in 2012?

SINGLE-SELECT e154b_2

01 ○ Yes
02 ○ No

E154c_2. Which are the low months for custom milling sesame in 2012?

F e154a_2.Contains(13)||e154a_2.Contains(@optioncode)
E e154b_2==1
V1 !e154c_1.ContainsAny(self)
M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT e154c_2

01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE

IsAnswered(e154c_2)?e154c_2.Length:0

DOUBLE l_custom_milling_2012

E154d_2. How much income did you make on average from custom milling sesame each month during low season in 2012?

E e154b_2==1

NUMERIC: DECIMAL e154d_2

E154d_2a. Kyat or Lakh Kyat?

E IsAnswered(e154d_2)
V1 (e154d_2.InRange(100,99999) && self==1) || (e154d_2.InRange(0.1,100) && self==2)
M1 ERROR! The selected option is not consistant with the amount of income you've entered.

SINGLE-SELECT e154d_2a

01 ○ Kyat
02 ○ Lakh Kyat

E154e_2. What quantity of sesame did you custom mill on average during low season in 2012?

E e154b_2==1

NUMERIC: INTEGER e154e_2

E154f_2. Unit ...

E IsAnswered(e154e_2)

SINGLE-SELECT e154f_2

01 ○ Cycle
02 ○ Pyi
03 ○ Viss
04 ○ Bag (equivalent with 3 baskets)
05 ○ Bag (equivalent with 1.5 baskets)
06 ○ Basket

E154d_3. How much income did you make on average from custom milling sesame each month during intermediate season?

E (e154b_1==2 && e154b_2==2) || (h_custom_milling_2012+l_custom_milling_2012<mths_custom_milling_2012) || ((e154b_1==1 && e154b_2==2) && (h_custom_milling_2012<mths_custom_milling_2012)) || ((e154b_1 And 71 other symbols [7]

NUMERIC: DECIMAL e154d_3

E154d_3a. Kyat or Lakh Kyat?

E IsAnswered(e154d_3)
V1 (e154d_3.InRange(100,99999) && self==1) || (e154d_3.InRange(0.1,100) && self==2)
M1 ERROR! The selected option is not consistant with the amount of income you've entered.

SINGLE-SELECT e154d_3a

01 ○ Kyat
02 ○ Lakh Kyat

E154e_3. What quantity of sesame did you

NUMERIC: INTEGER e154e_3

custom mill on average during intermediate season?

E `(e154b_1==2 && e154b_2==2) || (h_custom_milling_2012+l_custom_milling_2012<mths_custom_milling_2012) || ((e154b_1==1 && e154b_2==2) && (h_custom_milling_2012<mths_custom_milling_2012)) || ((e154b_1` And 71 other symbols [8]

E154f_3. Unit ...

E `IsAnswered(e154e_3)`

SINGLE-SELECT e154f_3

- 01 ○ Cycle
- 02 ○ Pyi
- 03 ○ Viss
- 04 ○ Bag (equivalent with 3 baskets)
- 05 ○ Bag (equivalent with 1.5 baskets)
- 06 ○ Basket

E. INPUTS / SESAME / 2012

Roster: NEW ROSTER

generated by multi-select question e153 sesame_2011

E `!e153.ContainsOnly(5)`

E155. Did the mill provide any credit to %sesame_2011% during 2012?

SINGLE-SELECT e155

- 01 ○ Yes
- 02 ○ No
- 03 ○ Not Applicable

E156. Did this loan committ the recipient to sell part or all of their product to you?

E `e155==1`

SINGLE-SELECT e156

- 01 ○ Yes
- 02 ○ No

E157. What share of %sesame_2011% did you provide credit to during 2012?

E `e155==1`
V1 `self.InRange(1,100)`
M1 The share % should be in the range of 1 and 100.

NUMERIC: DECIMAL e157

E. INPUTS

PALM OIL

E158. Did you buy any palm oil within the last 12 months?

SINGLE-SELECT e158

- 01 ○ Yes
- 02 ○ No

E159. During the last 12 months, in which months did you buy palm oil?

E `e158==1`
V1 `!(self.Contains(13)&&self.Length>1)`
M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT e159

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

E160. What quantity of palm oil did you buy on average during these months?

NUMERIC: INTEGER e160

E e158==1

E160a. Unit ...

E e158==1

SINGLE-SELECT e160a

01 ○ Barrel
02 ○ Container (equivalent to 10 Viss)

E160b. Per ...

E e158==1

SINGLE-SELECT e160b

01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total purchase during these months

E161. What was the average price of the palm oil you purchased in the last 12 months? MMK/viss...

E e158==1

NUMERIC: INTEGER e161

E162. If you were to have sold pure palm oil during the past 12 months, what would have been the sales price? MMK/viss...

E e158==1

NUMERIC: INTEGER e162

STATIC TEXT

E c100<=2012 || c100==9997

2012

E163. Did you buy any palm oil in 2012?

E c100<=2012 || c100==9997

SINGLE-SELECT e163

01 ○ Yes
02 ○ No

E164. During 2012, in which months did you buy palm oil?

E e163==1

V1 !(self.Contains(13)&&self.Length>1)

M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT e164

13 ☐ All 12 months
01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

E165. What quantity of palm oil did you buy on average in 2012?

E e163==1

NUMERIC: DECIMAL e165

E165a. Unit ...

E e163==1

SINGLE-SELECT e165a

01 ○ Barrel
02 ○ Container (equivalent to 10 viss)

E165b. Per ...

E e163==1

SINGLE-SELECT e165b

01 ○ Day
02 ○ Week
03 ○ Month

04 ○ Total purchase during these months

E166. What was the average price of the palm oil you purchased in 2012? MMK/viss...

E e163==1

NUMERIC: INTEGER e166

E167. If you were to have sold pure palm oil during 2012, what would have been the sales price? (MMK/viss)

E e163==1

NUMERIC: INTEGER e167

F. MILLING

F100. During which months in last 12 did you operate the mill?

V1 !(self.Contains(13)&&self.Length>1)

M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT f100

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

VARIABLE

(f100.Contains(13)? 12:f100.Length)

DOUBLE mth_f100

F101. Among the months when you milled, were there any months when you milled more than others?

SINGLE-SELECT f101

01 ○ Yes
02 ○ No

F102. Among months you milled, which were the peak months for milling?

F f100.Contains(13) || f100.Contains(@optioncode)

E f101==1

V1 !f110.ContainsAny(self)

M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT f102

01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE

IsAnswered(f102)?f102.Length:0

DOUBLE mth_high

F103. During those peak months, on how many days per month did you mill?

E f101==1

V1 self<=31

M1 Days per month should not exceed 31. Please check again.

NUMERIC: INTEGER f103

F104. During those peak months, for how many hours per day did run the mill?

NUMERIC: INTEGER f104

E f101==1
V1 self<=24
M1 Please check again...

F105. During those peak months, how many viss did you mill per day?

NUMERIC: DECIMAL f105

E f101==1

F106a. Of %f105% - viss, what % was peanut? %...

NUMERIC: DECIMAL f106a

E IsAnswered(f105) && e100.Contains(1)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

F106b. Of %f105% - viss, what % was sesame? %...

NUMERIC: DECIMAL f106b

E IsAnswered(f105) && e100.Contains(2)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

F106c. Of %f105% - viss, what % were others? %...

NUMERIC: DECIMAL f106c

E IsAnswered(f105) && e100.ContainsAny(3,4,5,99)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

VARIABLE

(f106a.HasValue? f106a:0)+ (f106b.HasValue? f106b:0)+ (f106c.HasValue? f106c:0)

DOUBLE peanut_sesame_other_high

STATIC TEXT

E peanut_sesame_other_high!=100

ERROR.
TOTAL SHARE MUST BE 100%.

F107. During those peak months, how much did you spend per month on electricity?

NUMERIC: DECIMAL f107

E f101==1 && d109.Contains(1)

F107a. MMK or Lakh Kyat ?

SINGLE-SELECT f107a

01 ○ MMK
02 ○ Lakh Kyat

E IsAnswered(f107)
V1 (f107.InRange(1,99999)&&self==1)||(f107.InRange(0.1,200)&&self==2)
M1 ERROR! The selected option is not consistant with the amount of monthly expenditure on electricity you've entered.

F108. During those peak months, how much did you spend per month on diesel of engines & generators?

NUMERIC: DECIMAL f108

E f101==1 && d109.ContainsAny(2,3)

F108a. MMK or Lakh Kyat ?

SINGLE-SELECT f108a

01 ○ MMK
02 ○ Lakh Kyat

E IsAnswered(f108)
V1 (f108.InRange(0,99999)&&self==1)||(f108.InRange(0,200)&&self==2)
M1 ERROR! The selected option is not consistant with the amount of average monthly expenditure on diesel you've entered.

F109. Among the months when you milled, were there any months when you milled less than others?

SINGLE-SELECT f109

01 ○ Yes
02 ○ No

F110. Among months you milled, which were the low months for milling?

F f100.Contains(13) || f100.Contains(@optioncode)
E f109==1
V1 !f102.ContainsAny(self)
M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT f110

01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE

IsAnswered(f110)?f110.Length:0

DOUBLE mth_low

F111. During those low months, on how many days per month did you mill?

E f109==1
V1 self<=31
M1 Days per month should not exceed 31. Please check again.

NUMERIC: INTEGER f111

F112. During those low months, for how many hours per day did run the mill?

E f109==1
V1 self<=24
M1 Please check again...

NUMERIC: INTEGER f112

F113. During those low months, how many viss did you mill per day?

E f109==1

NUMERIC: DECIMAL f113

F114a. Of %f113% - viss, what % was peanut? %...

E IsAnswered(f113) && e100.Contains(1)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL f114a

F114b. Of %f113% - viss, what % was sesame? %...

E IsAnswered(f113) && e100.Contains(2)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL f114b

F114c. Of %f113% - viss, what % were others? %...

E IsAnswered(f113) && e100.ContainsAny(3,4,5,99)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL f114c

VARIABLE

(f114a.HasValue? f114a:0)+ (f114b.HasValue? f114b:0)+ (f114c.HasValue? f114c:0)

DOUBLE peanut_sesame_other_low

STATIC TEXT

E peanut_sesame_other_low!=100

ERROR.
TOTAL SHARE MUST BE 100%.

F115. During those low months, how much did you spend per month on electricity?

E f109==1 && d109.Contains(1)

NUMERIC: DECIMAL f115

F115a. MMK or Lakh Kyat ?

E IsAnswered(f115)
V1 (f115.InRange(1,99999)&&self==1)||(f115.InRange(0.1,200)&&self==2)
M1 ERROR! The selected option is not consistant with the amount of monthly expenditure on electricity you've entered.

SINGLE-SELECT f115a
01 ○ MMK
02 ○ Lakh Kyat

F116. During those low months, how much did you spend per month on diesel of engines & generators?

E f109==1 && d109.ContainsAny(2,3)

NUMERIC: DECIMAL f116

F116a. MMK or Lakh Kyat ?

E IsAnswered(f116)
V1 (f116.InRange(0,99999)&&self==1)||(f116.InRange(0,200)&&self==2)
M1 ERROR! The selected option is not consistant with the amount of average monthly expenditure on diesel you've entered.

SINGLE-SELECT f116a
01 ○ MMK
02 ○ Lakh Kyat

F117. During the intermediate months, for how many days per month did you mill?

E (f101==2 && f109==2) || (mth_high+mth_low<mth_f100) || ((f101==1 && f109==2) && (mth_high<mth_f100)) || ((f101==2 && f109==1) && (mth_low<mth_f100))

NUMERIC: INTEGER f117

F118. During the intermediate months, for how many hours per day did run the mill?

E (f101==2 && f109==2) || (mth_high+mth_low<mth_f100) || ((f101==1 && f109==2) && (mth_high<mth_f100)) || ((f101==2 && f109==1) && (mth_low<mth_f100))
V1 self<=24
M1 Please check again...

NUMERIC: INTEGER f118

F119. During the intermediate months, how many viss did you mill per day?

E (f101==2 && f109==2) || (mth_high+mth_low<mth_f100) || ((f101==1 && f109==2) && (mth_high<mth_f100)) || ((f101==2 && f109==1) && (mth_low<mth_f100))

NUMERIC: DECIMAL f119

F120a. Of %f119% - viss, what % was peanut? %...

E IsAnswered(f119) && e100.Contains(1)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL f120a

F120b. Of %f119% - viss, what % was sesame? %...

E IsAnswered(f119) && e100.Contains(2)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL f120b

F120c. Of %f119% - viss, what % were others? %...

NUMERIC: DECIMAL f120c

E IsAnswered(f119) && e100.ContainsAny(3,4,5,99)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

VARIABLE

(f120a.HasValue? f120a:0)+ (f120b.HasValue? f120b:0)+ (f120c.HasValue? f120c:0)

DOUBLE peanut_sesame_intermediate

STATIC TEXT

E peanut_sesame_intermediate!=100

ERROR.
TOTAL SHARE MUST BE 100%.

F121. During the intermediate months, how much did you spend per month on electricity?

NUMERIC: DECIMAL f121

E ((f101==2 && f109==2)|| (f101==1 && f109==2 && mth_high<mth_f100)|| (f101==2 && f109==1 && mth_low<mth_f100)|| (f101==1 && f109==1 && ((mth_high+mth_low)<mth_f100))) && d109.Contains(1)

F121a. MMK or Lakh Kyat ?

SINGLE-SELECT f121a

01 ○ MMK
02 ○ Lakh Kyat

E IsAnswered(f121)
V1 (f121.InRange(1,99999)&&self==1)||(f121.InRange(0.1,200)&&self==2)
M1 ERROR! The selected option is not consistant with the amount of monthly expenditure on electricity you've entered.

F122. During the intermediate months, how much did you spend per month on diesel of engines & generators?

NUMERIC: DECIMAL f122

E ((f101==2 && f109==2)|| (f101==1 && f109==2 && mth_high<mth_f100)|| (f101==2 && f109==1 && mth_low<mth_f100)|| (f101==1 && f109==1 && ((mth_high+mth_low)<mth_f100))) && d109.ContainsAny(2,3)

F122a. MMK or Lakh Kyat ?

SINGLE-SELECT f122a

01 ○ MMK
02 ○ Lakh Kyat

E IsAnswered(f122)
V1 (f122.InRange(0,99999)&&self==1)||(f122.InRange(0,200)&&self==2)
M1 ERROR! The selected option is not consistant with the amount of average monthly expenditure on diesel you've entered.

F123. What quantity of oil is produced from 1 viss of peanut?
Viss...

NUMERIC: DECIMAL f123

E e100.Contains(1)
V1 self<1
M1 The quantity you enter must be less than 1 and the sum of the quantity of peanut oil and peanut oil cake produced must not exceed 1 viss.

F124. What quantity of oil cake is produced from 1 viss of peanut?
Viss...

NUMERIC: DECIMAL f124

E e100.Contains(1)
V1 self<1 && self+f123<=1
M1 The quantity you enter must be less than 1 and the sum of the quantity of peanut oil and peanut oil cake produced must not exceed 1 viss.

F123a. What quantity of oil is produced from 1 viss of sesame?
Viss...

NUMERIC: DECIMAL f123a

E e100.Contains(2)
V1 self<1
M1 The quantity you enter must be less than 1 and the sum of the quantity of sesame oil and sesame oil cake produced must not exceed 1 viss.

F124a. What quantity of oil cake is produced from 1 viss of sesame?
Viss...

NUMERIC: DECIMAL f124a

E e100.Contains(2)
V1 self<1 && self+f123a<=1
M1 The quantity you enter must be less than 1 and the sum of the quantity of sesame oil and sesame oil cake produced must not exceed 1 viss.

F125. If the mill were to have run at maximum capacity for one 24 hour period during the last 12 months, what quantity of (peanut or sesame) could it have processed?

NUMERIC: DECIMAL f125

F125a. Unit ...

SINGLE-SELECT f125a

01 ○ Pyi
02 ○ Viss
03 ○ Bag (equivalent 3 basket)
04 ○ Bag (equivalent 1.5 basket)
05 ○ Basket

F126. Did you operate the mill in 2012?

E c100<=2012 || c100==9997

SINGLE-SELECT f126

01 ○ Yes
02 ○ No

F. MILLING
2012

E f126==1

F127. During which months 2012 did you operate the mill?

V1 !(self.Contains(13)&&self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT f127

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

VARIABLE
(f127.Contains(13)?12:f127.Length)

DOUBLE mth_f127

F128. Among the months when you milled, were there any months when you milled more than others?

SINGLE-SELECT f128

01 ○ Yes
02 ○ No

F129. Among months you milled, which were the peak months for milling?

F f127.Contains(13) || f127.Contains(@optioncode)
E f128==1
V1 !f133.ContainsAny(self)
M1 High, Intermediate and Low months should not be the same.

MULTI-SELECT f129

01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep

10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE
`IsAnswered(f129)?f129.Length:0`

DOUBLE `mth_high_2012`

F130. During those peak months, on how many days per month did you operate the mill?

NUMERIC: INTEGER `f130`

E `f128==1`
V1 `self<=31`
M1 Days per month should not exceed 31. Please check again.

F130a. During those peak months, for how many hours per day did run the mill?

NUMERIC: INTEGER `f130a`

E `f128==1`
V1 `self<=24`
M1 Please check again...

F131. During those peak months, how many viss did you mill per day?

NUMERIC: DECIMAL `f131`

E `f128==1`

F131a. Of %f131% - viss, what % was peanut? %...

NUMERIC: DECIMAL `f131a`

E `IsAnswered(f131) && e100.Contains(1)`
V1 `self.InRange(0,100)`
M1 Percentage should not be more than 100.

F131b. Of %f131% - viss, what % was sesame? %...

NUMERIC: DECIMAL `f131b`

E `IsAnswered(f131) && e100.Contains(2)`
V1 `self.InRange(0,100)`
M1 Percentage should not be more than 100.

F131c. Of %f131% - viss, what % were others? %...

NUMERIC: DECIMAL `f131c`

E `IsAnswered(f131) && e100.ContainsAny(3,4,5,99)`
V1 `self.InRange(0,100)`
M1 Percentage should not be more than 100.

VARIABLE
`(f131a.HasValue? f131a:0)+ (f131b.HasValue? f131b:0)+ (f131c.HasValue? f131c:0)`

DOUBLE `peanut_sesame_other_high_2012`

STATIC TEXT

E `peanut_sesame_other_high_2012!=100`

ERROR.
TOTAL SHARE MUST BE 100%.

F132. Among the months when you milled, were there any months when you milled less than others?

SINGLE-SELECT `f132`

01 ○ Yes
02 ○ No

F133. Among months you milled, which were the low months for milling?

MULTI-SELECT `f133`

F f127.Contains(13) || f127.Contains(@optioncode)
E `f132==1`
V1 `!f129.ContainsAny(self)`
M1 High, Intermediate and Low months should not be the same.

01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun

07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE
`IsAnswered(f133)?f133.Length:0`

DOUBLE `mth_low_2012`

F134. During those low months, on how many days per month did you operate the mill?

NUMERIC: INTEGER `f134`

E `f132==1`
V1 `self<=31`
M1 Days per month should not exceed 31. Please check again.

F134b. During those low months, for how many hours per day did run the mill?

NUMERIC: INTEGER `f134b`

E `f132==1`
V1 `self<=24`
M1 Please check again...

F135. During those low months, how many viss did you operate per day?

NUMERIC: DECIMAL `f135`

E `f132==1`

F135a. Of %f135% - viss, what % was peanut? %...

NUMERIC: DECIMAL `f135a`

E `IsAnswered(f135) && e100.Contains(1)`
V1 `self.InRange(0,100)`
M1 Percentage should not be more than 100.

F135b. Of %f135% - viss, what % was sesame? %...

NUMERIC: DECIMAL `f135b`

E `IsAnswered(f135) && e100.Contains(2)`
V1 `self.InRange(0,100)`
M1 Percentage should not be more than 100.

F135c. Of %f135% - viss, what % were others? %...

NUMERIC: DECIMAL `f135c`

E `IsAnswered(f135) && e100.ContainsAny(3,4,5,99)`
V1 `self.InRange(0,100)`
M1 Percentage should not be more than 100.

VARIABLE
`(f135a.HasValue? f135a:0)+ (f135b.HasValue? f135b:0)+ (f135c.HasValue? f135c:0)`

DOUBLE `peanut_sesame_other_low_2012`

STATIC TEXT

E `peanut_sesame_other_low_2012!=100`

ERROR.
TOTAL SHARE MUST BE 100%.

F136. During the intermediate months, for how many days per month did you operate the mill?

NUMERIC: INTEGER `f136`

E `(f128==2 && f132==2) || (mth_high_2012+mth_low_2012<mth_f127) || ((f128==1 && f132==2) && (mth_high_2012<mth_f127)) || ((f128==2 && f132==1) && (mth_low_2012<mth_f127))`

F137. During the intermediate months, for how

NUMERIC: INTEGER `f137`

many hours per day did operate the mill?

E `(f128==2 && f132==2) || (mth_high_2012+mth_low_2012<mth_f127) || ((f128==1 && f132==2) && (mth_high_2012<mth_f127)) || ((f128==2 && f132==1) && (mth_low_2012<mth_f127))`

V1 `self<=24`

M1 Please check again...

F138. During the intermediate months, how many viss did you mill per day?

NUMERIC: DECIMAL f138

E `(f128==2 && f132==2) || (mth_high_2012+mth_low_2012<mth_f127) || ((f128==1 && f132==2) && (mth_high_2012<mth_f127)) || ((f128==2 && f132==1) && (mth_low_2012<mth_f127))`

F139a. Of %f138% - viss, what % was peanut? %...

NUMERIC: DECIMAL f139a

E `IsAnswered(f138) && e100.Contains(1)`

V1 `self.InRange(0,100)`

M1 Percentage should not be more than 100.

F139b. Of %f138% - viss, what % was sesame? %...

NUMERIC: INTEGER f139b

E `IsAnswered(f138) && e100.Contains(2)`

V1 `self.InRange(0,100)`

M1 Percentage should not be more than 100.

F139c. Of %f138% - viss, what % were others? %...

NUMERIC: DECIMAL f139c

E `IsAnswered(f138) && e100.ContainsAny(3,4,5,99)`

V1 `self.InRange(0,100)`

M1 Percentage should not be more than 100.

VARIABLE

`(f139a.HasValue? f139a:0)+ (f139b.HasValue? f139b:0)+ (f139c.HasValue? f139c:0)`

DOUBLE peanut_sesame_other_2012

STATIC TEXT

E `peanut_sesame_other_2012!=100`

ERROR.
TOTAL SHARE MUST BE 100%.

F140. If the mill were to have run at maximum capacity for one 24 hour period during 2012, what quantity of (peanut or sesame) could it have processed?

NUMERIC: DECIMAL f140

F140a. Unit ...

SINGLE-SELECT f140a

E `IsAnswered(f140)`

01 ○ Pyi
02 ○ Viss
03 ○ Bag (equivalent 3 basket)
04 ○ Bag (equivalent 1.5 basket)
05 ○ Basket

G. MARKETING

G. MARKETING

PEANUT

E `e100.Contains(1) && !(e111.ContainsOnly(4,5)) && e101a==2`

G100. During which months in last 12 did you sell peanut oil?

V1 `!(self.Contains(13) && self.Length>1)`
M1 If you choose "All 12 months", other options cannot be selected.

MULTI-SELECT g100

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

VARIABLE

`(g100.Contains(13)? 12:g100.Length)`

DOUBLE mth_g100

G101. Among the months when you sold peanut oil, were there any months when you sold more than others?

SINGLE-SELECT g101

01 ○ Yes
02 ○ No

G102. Among months you sold peanut oil, which were the peak months for sales of peanut oil?

F g100.Contains(13) || g100.Contains(@optioncode)
E `g101==1`
V1 `!g105.ContainsAny(self)`
M1 Peak month and lean month should not be the same.

MULTI-SELECT g102

01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE

`g102.Length>=1? g102.Length:0`

DOUBLE high g102

G103. What quantity of peanut oil did you sell during the most recent high season months?

E `g101==1`

NUMERIC: DECIMAL g103

G103a. Unit...

E `g101==1`

SINGLE-SELECT g103a

01 ○ Viss
02 ○ Container (equivalent to 10 Viss)
03 ○ Barrel

G103b. Per...

E `g101==1`

SINGLE-SELECT g103b

01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total

G104. Among the months when you sold peanut oil, were there any months when you sold less than others?

E `(g100.Contains(13)&& g101==1 && g102.Length!=12) || (g101==1 && g102.Length!=mth_g100) || (g101==2)`

SINGLE-SELECT g104

01 ○ Yes
02 ○ No

G105. Among months you sold peanut oil, which were the lean months for sales of

MULTI-SELECT g105

01 ☐ Jan

peanut oil?

F g100.Contains(13) || g100.Contains(@optioncode)
E g104==1
V1 !g102.ContainsAny(self)
M1 Peak month and lean month should not be the same.

02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE
g105.Length>=1? g105.Length:0

DOUBLE low_g105

G106. What quantity of peanut oil did you sell during the most recent low season months?

E g104==1

NUMERIC: DECIMAL g106

G106a. Unit...

E IsAnswered(g106)

SINGLE-SELECT g106a
01 ○ Viss
02 ○ Container (equivalent to 10 Viss)
03 ○ Barrel

G106b. Per...

E IsAnswered(g106)

SINGLE-SELECT g106b
01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total

G107. On how many days per month did you sell peanut oil?

E g104==2
V1 self<=31
M1 Days in a month must not exceed 31. Please check again...

NUMERIC: INTEGER g107

G108. What quantity of peanut oil did you sell during intermediate months on average?

E g104==2

NUMERIC: DECIMAL g108

G108a. Unit...

E IsAnswered(g108)

SINGLE-SELECT g108a
01 ○ Viss
02 ○ Container (equivalent to 10 Viss)
03 ○ Barrel

G108b. Per ...

E IsAnswered(g108)

SINGLE-SELECT g108b
01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total

G109. What share of the peanut oil sold in the last 12 months was sold as pure peanut oil? %...

V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g109

G110. What share of the peanut oil sold in the last 12 months was mixed with palm oil?

NUMERIC: DECIMAL g110

V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

VARIABLE
(g109.HasValue? g109:0)+ (g110.HasValue? g110:0)

DOUBLE share_peanut_oil

STATIC TEXT

E share_peanut_oil!=100

ERROR
SALES OF PURE PEANUT OIL AND MIXED PEANUT OIL MUST BE 100% IN TOTAL.
****

G111. Who were the main customers for pure peanut oil?

E g109>0

MULTI-SELECT g111

01 ☐ Local consumers
02 ☐ Local retailers
03 ☐ Consumers from elsewhere in dryzone
04 ☐ Consumers from Yangon
05 ☐ Retailers from elsewhere in dryzone
06 ☐ Retailers from Yangon
07 ☐ Wholesalers in Dry Zone
08 ☐ Wholesalers in Yangon
09 ☐ Wholesalers in other part of country
10 ☐ Other 1 (specify)
11 ☐ Other 2 (specify)

G111a. Please specify other ...

E g111.Contains(10)

TEXT g111a

G111b. Please specify other ...

E g111.Contains(11)

TEXT g111b

G112a. What share of pure peanut oil did you sell to Local consumers?
%...

E g111.Contains(1)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

NUMERIC: DECIMAL g112a

G112b. What share of pure peanut oil did you sell to Local retailers?
%...

E g111.Contains(2)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

NUMERIC: DECIMAL g112b

G112c. What share of pure peanut oil did you sell to Consumers from elsewhere in dryzone?
%...

E g111.Contains(3)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

NUMERIC: DECIMAL g112c

G112d. What share of pure peanut oil did you sell to Consumers from Yangon?
%...

E g111.Contains(4)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

NUMERIC: DECIMAL g112d

G112e. What share of pure peanut oil did you sell to Retailers from elsewhere in dryzone? %...

NUMERIC: DECIMAL g112e

E g111.Contains(5)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G112f. What share of pure peanut oil did you sell to Retailers from Yangon? %...

NUMERIC: DECIMAL g112f

E g111.Contains(6)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G112g. What share of pure peanut oil did you sell to Wholesalers in Dry Zone? %...

NUMERIC: DECIMAL g112g

E g111.Contains(7)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G112h. What share of pure peanut oil did you sell to Wholesalers in Yangon? %...

NUMERIC: DECIMAL g112h

E g111.Contains(8)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G112i. What share of pure peanut oil did you sell to Wholesalers in other part of country? %...

NUMERIC: DECIMAL g112i

E g111.Contains(9)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G112j. What share of pure peanut oil did you sell to %g111a%? %...

NUMERIC: DECIMAL g112j

E g111.Contains(10)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G112k. What share of pure peanut oil did you sell to %g111b%? %...

NUMERIC: DECIMAL g112k

E g111.Contains(11)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

VARIABLE

DOUBLE share_customer_peanut_2017

```
(g112a.HasValue? g112a:0)+ (g112b.HasValue? g112b:0)+ (g
112c.HasValue? g112c:0)+ (g112d.HasValue? g112d:0)+ (g11
2e.HasValue? g112e:0)+ (g112f.HasValue? g112f:0)+ (g112g
.HasValue? g112g:0)+ (g112h.HasV
```

And 95 other symbols [1]

STATIC TEXT

E share_customer_peanut_2017!=100

ERROR
SHARE OF CUSTOMERS IN SELLING PURE PEANUT OIL MUST BE 100% IN TOTAL.
****

Roster: PURE OIL BUYERS :

generated by multi-select question g111 — buyers_pure_oil

G113. How was pure peanut oil sold to %buyers_pure_oil% during the last 12 months packaged?

MULTI-SELECT — g113

01 ☐ Container supplied by customer
02 ☐ Unbranded container provided by this mill
03 ☐ Branded container provided by this mill

G114. What % of the pure peanut oil sold by this mill in the last 12 months was packaged in container supplied by consumer.
%

NUMERIC: DECIMAL — g114

E g113.Contains(1)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G115. What % of the pure peanut oil sold by this mill in the last 12 months was packaged in unbranded container provided by this mill.
%

NUMERIC: DECIMAL — g115

E g113.Contains(2)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G116. What % of the pure peanut oil sold by this mill in the last 12 months was packaged in branded container provided by this mill.
%

NUMERIC: DECIMAL — g116

E g113.Contains(3)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

VARIABLE

(g114.HasValue? g114:0)+ (g115.HasValue? g115:0)+ (g116.HasValue? g116:0)

DOUBLE — share_packaged_pure_peanut

STATIC TEXT

E share_packaged_pure_peanut!=100

Error
Total percentage must be 100%

G117. In what year did the mill begin to sell pure peanut oil in branded packaging?

NUMERIC: INTEGER — g117

I Put 9998 if the shop does not sell in branded packaging.
V1 $validYear
M1 Please check again...

G118. What was the average sales price per viss of pure peanut oil during peak months?
MMK...

NUMERIC: INTEGER — g118

E g101==1

G119. What was the average sales price per viss of pure peanut oil during low months?
MMK...

NUMERIC: INTEGER — g119

E g104==1

G120. What was the average sales price per viss of pure peanut oil during intermediate months?
MMK...

NUMERIC: INTEGER g120

E ((high_g102+low_g105)<mth_g100)|| (g101==1 && g104==2 && high_g102<mth_g100) || (g101==2 && g104==1 && low_g105<mth_g100) || (g101==2 && g104==2)

G121. Who were the main customers for mixed peanut and palm oil?

MULTI-SELECT g121

E g110>0

- 01 ☐ Local consumers
- 02 ☐ Local retailers
- 03 ☐ Consumers from elsewhere in dryzone
- 04 ☐ Consumers from Yangon
- 05 ☐ Retailers from elsewhere in dryzone
- 06 ☐ Retailers from Yangon
- 07 ☐ Wholesalers in Dry Zone
- 08 ☐ Wholesalers in Yangon
- 09 ☐ Wholesalers in other part of country
- 10 ☐ Other 1 (specify)
- 11 ☐ Other 2 (specify)

G121a. Please specify other ...

TEXT g121a

E g121.Contains(10)

G121b. Please specify other ...

TEXT g121b

E g121.Contains(11)

G122a. What share of mixed peanut and palm oil did you sell to Local consumers?
%...

NUMERIC: DECIMAL g122a

E g121.Contains(1)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G122b. What share of mixed peanut and palm oil did you sell to Local retailers?
%...

NUMERIC: DECIMAL g122b

E g121.Contains(2)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G122c. What share of mixed peanut and palm oil did you sell to Consumers from elsewhere in dryzone?
%...

NUMERIC: DECIMAL g122c

E g121.Contains(3)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G122d. What share of mixed peanut and palm oil did you sell to Consumers from Yangon?
%...

NUMERIC: DECIMAL g122d

E g121.Contains(4)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G122e. What share of mixed peanut and palm oil did you sell to Retailers from elsewhere in dryzone?

NUMERIC: DECIMAL g122e

%...

E g121.Contains(5)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G122f. What share of mixed peanut and palm oil did you sell to Retailers from Yangon?
%...

NUMERIC: DECIMAL g122f

E g121.Contains(6)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G122g. What share of mixed peanut and palm oil did you sell to Wholesalers in Dry Zone?
%...

NUMERIC: DECIMAL g122g

E g121.Contains(7)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G122h. What share of mixed peanut and palm oil did you sell to Wholesalers in Yangon?
%...

NUMERIC: DECIMAL g122h

E g121.Contains(8)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G122i. What share of mixed peanut and palm oil did you sell to Wholesalers in other part of country?
%...

NUMERIC: DECIMAL g122i

E g121.Contains(9)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G122j. What share of mixed peanut and palm oil did you sell to %g121a%?
%...

NUMERIC: DECIMAL g122j

E g121.Contains(10)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G122k. What share of mixed peanut and palm oil did you sell to %g121b%?
%...

NUMERIC: DECIMAL g122k

E g121.Contains(11)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

VARIABLE

```
(g122a.HasValue? g122a:0)+ (g122b.HasValue? g122b:0)+ (g
122c.HasValue? g122c:0)+ (g122d.HasValue? g122d:0)+ (g12
2e.HasValue? g122e:0)+ (g122f.HasValue? g122f:0)
```

DOUBLE share_customer_mix_peanut_2017

STATIC TEXT

E share_customer_mix_peanut_2017!=100

****ERROR****
SHARE OF CUSTOMERS IN SELLING MIXED PEANUT OIL MUST BE 100% IN TOTAL.
****

G. MARKETING / PEANUT
Roster: MIXED OIL BUYERS :

G123. How was mixed peanut oil sold to %buyers_mix_oil% during the last 12 months packaged?

MULTI-SELECT g123

01 ☐ Container supplied by customer
02 ☐ Unbranded container provided by this mill
03 ☐ Branded container provided by this mill

G124. What % of the mixed peanut oil sold by this mill in the last 12 months was packaged in container supplied by consumer%

E g123.Contains(1)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g124

G125. What % of the mixed peanut oil sold by this mill in the last 12 months was packaged in unbranded container provided by this mill.
%

E g123.Contains(2)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g125

G126. What % of the mixed peanut oil sold by this mill in the last 12 months was packaged in branded container provided by this mill.
%

E g123.Contains(3)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g126

VARIABLE

(g124.HasValue? g124:0)+ (g125.HasValue? g125:0)+ (g126.HasValue? g126:0)

DOUBLE share_packaged_mix_peanut

STATIC TEXT

E share_packaged_mix_peanut!=100

Error
Total percentage must be 100%

G127. In what year did the mill begin to sell mixed peanut oil in branded packaging?

I Put 9998 if the shop does not sell in branded packaging.
V1 $validYear
M1 Please check again...

NUMERIC: INTEGER g127

G128. Who were the main customers for peanut oilcake in last 12 months?

MULTI-SELECT g128

01 ☐ Use for own animal feed
02 ☐ Retained by custom milling customers
03 ☐ Sold to local households
04 ☐ Sold to local retailers
05 ☐ Traders (Wholesalers, Agents, Brokers) in dry zone
06 ☐ Traders (Wholesalers, Agents, Brokers) in Yangon
07 ☐ Traders (Wholesalers, Agents, Brokers) in other parts of country
08 ☐ Sold direct to animal/fish feed manufacturing company

09 ☐ Sold direct to animal/fish farms
10 ☐ Other (specify)

G128a. Please specify the 'other'.

E g128.Contains(10)

TEXT g128a

G129a. What share (%) of the peanut oilcake sold in the last 12 months was Use for own animal feed?

E g128.Contains(1)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g129a

G129b. What share (%) of the peanut oilcake sold in the last 12 months was Retained by custom milling customers?

E g128.Contains(2)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g129b

G129c. What share (%) of the peanut oilcake sold in the last 12 months was Sold to local households?

E g128.Contains(3)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g129c

G129d. What share (%) of the peanut oilcake sold in the last 12 months was Sold to local retailers?

E g128.Contains(4)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g129d

G129e. What share (%) of the peanut oilcake sold in the last 12 months was Traders (Wholesalers, Agents, Brokers) in dry zone?

E g128.Contains(5)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g129e

G129f. What share (%) of the peanut oilcake sold in the last 12 months was Traders (Wholesalers, Agents, Brokers) in Yangon?

E g128.Contains(6)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g129f

G129g. What share (%) of the peanut oilcake sold in the last 12 months was Traders (Wholesalers, Agents, Brokers) in other parts of country?

E g128.Contains(7)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g129g

G129h. What share (%) of the peanut oilcake sold in the last 12 months was Sold direct to animal/fish feed manufacturing company?

NUMERIC: DECIMAL g129h

E g128.Contains(8)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G129i. What share (%) of the peanut oilcake sold in the last 12 months was Sold direct to animal/fish farms?

NUMERIC: DECIMAL g129i

E g128.Contains(9)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G129j. What share (%) of the peanut oilcake sold in the last 12 months was %g128a%?

NUMERIC: DECIMAL g129j

E g128.Contains(10)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

VARIABLE

DOUBLE share customer peanut oilcake 17

```
(g129a.HasValue? g129a:0)+ (g129b.HasValue? g129b:0)+ (g
129c.HasValue? g129c:0)+ (g129d.HasValue? g129d:0)+ (g12
9e.HasValue? g129e:0)+ (g129f.HasValue? g129f:0)+ (g129g
.HasValue? g129g:0)+ (g129h.HasV
```

And 68 other symbols [2]

STATIC TEXT

E share_customer_peanut_oilcake_17!=100

ERROR
SHARE OF CUSTOMERS IN SELLING PEANUT OILCAKE MUST BE 100% IN TOTAL.
****

G130c. What was the average price of peanut oilcake sold to Sold to local households in the last 12 months?
MMK/Viss...

NUMERIC: INTEGER g130c

E g128.Contains(3)
V1 self.InRange(500,1500)
M1 The value you've entered is not possible for the price of peanut oil cake. Please check again.

G130d. What was the average price of peanut oilcake sold to Sold to local retailers in the last 12 months?
MMK/Viss...

NUMERIC: INTEGER g130d

E g128.Contains(4)
V1 self.InRange(500,1500)
M1 The value you've entered is not possible for the price of peanut oil cake. Please check again.

G130e. What was the average price of peanut oilcake sold to Traders (Wholesalers, Agents, Brokers) in dry zone in the last 12 months?
MMK/Viss...

NUMERIC: INTEGER g130e

E g128.Contains(5)
V1 self.InRange(500,1500)
M1 The value you've entered is not possible for the price of peanut oil cake. Please check again.

G130f. What was the average price of peanut oilcake sold to Traders (Wholesalers, Agents, Brokers) in Yangon in the last 12 months?
MMK/Viss...

NUMERIC: INTEGER g130f

E g128.Contains(6)
V1 self.InRange(500,1500)

M1 The value you've entered is not possible for the price of peanut oil cak e. Please check again.

G130g. What was the average price of peanut oilcake sold to Traders (Wholesalers, Agents, Brokers) in other parts of country in the last 12 months?
MMK/Viss...

NUMERIC: INTEGER g130g

E `g128.Contains(7)`
V1 `self.InRange(500,1500)`
M1 The value you've entered is not possible for the price of peanut oil cak e. Please check again.

G130h. What was the average price of peanut oilcake sold to Sold direct to animal/fish feed manufacturing company in the last 12 months?
MMK/Viss...

NUMERIC: INTEGER g130h

E `g128.Contains(8)`
V1 `self.InRange(500,1500)`
M1 The value you've entered is not possible for the price of peanut oil cak e. Please check again.

G130i. What was the average price of peanut oilcake sold to Sold direct to animal/fish farms in the last 12 months?
MMK/Viss...

NUMERIC: INTEGER g130i

E `g128.Contains(9)`
V1 `self.InRange(500,1500)`
M1 The value you've entered is not possible for the price of peanut oil cak e. Please check again.

G131. Did you sell peanut oil in 2012?

SINGLE-SELECT g131

E `c100<=2012 || c100==9997`

01 ○ Yes
02 ○ No

G. MARKETING / PEANUT
2012

E `g131==1`

G132. During which months in 2012 did you sell peanut oil?

MULTI-SELECT g132

V1 `!(self.Contains(13) && self.Length>1)`
M1 If you choose "All 12 months", other options cannot be selected.

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

VARIABLE
`(g132.Contains(13)? 12:g132.Length)`

DOUBLE mth g132

G133. Among the months when you sold peanut oil, were there any months when you sold more than others?

SINGLE-SELECT g133

01 ○ Yes
02 ○ No

G134. Among months you sold peanut oil in

MULTI-SELECT g134

2012, which were the peak months for sales of peanut oil?

F g132.Contains(13) || g132.Contains(@optioncode)
E g133==1
V1 !g137.ContainsAny(self)
M1 Peak month and lean month should not be the same.

- 01 ☐ Jan
- 02 ☐ Feb
- 03 ☐ Mar
- 04 ☐ Apr
- 05 ☐ May
- 06 ☐ Jun
- 07 ☐ July
- 08 ☐ Aug
- 09 ☐ Sep
- 10 ☐ Oct
- 11 ☐ Nov
- 12 ☐ Dec

VARIABLE

g134.Length>=1? g134.Length:0

DOUBLE high_g134

G135. What quantity of peanut oil did you sell during peak months in 2012?

E g133==1

NUMERIC: DECIMAL g135

G135a. Unit...

E IsAnswered(g135)

SINGLE-SELECT g135a

- 01 ○ Viss
- 02 ○ Container (equivalent to 10 viss)
- 03 ○ Barrel

G135b. Per...

E IsAnswered(g135)

SINGLE-SELECT g135b

- 01 ○ Day
- 02 ○ Week
- 03 ○ Month
- 04 ○ Total

G136. Among the months when you sold peanut oil, were there any months when you sold less than others?

E (g132.Contains(13)&& g133==1 && g134.Length!=12) || (g133==1 && g134.Length!=mth_g132) || (g133==2)

SINGLE-SELECT g136

- 01 ○ Yes
- 02 ○ No

G137. Among months you sold peanut oil in 2012, which were the lean months for sales of peanut oil?

F g132.Contains(13) || g132.Contains(@optioncode)
E g136==1
V1 !g134.ContainsAny(self)
M1 Peak month and lean month should not be the same.

MULTI-SELECT g137

- 01 ☐ Jan
- 02 ☐ Feb
- 03 ☐ Mar
- 04 ☐ Apr
- 05 ☐ May
- 06 ☐ Jun
- 07 ☐ July
- 08 ☐ Aug
- 09 ☐ Sep
- 10 ☐ Oct
- 11 ☐ Nov
- 12 ☐ Dec

VARIABLE

g137.Length>=1? g137.Length:0

DOUBLE low g137

G138. What quantity of peanut oil did you sell during low months in 2012?

E g136==1

NUMERIC: DECIMAL g138

G138a. Unit...

E IsAnswered(g138)

SINGLE-SELECT g138a

- 01 ○ Viss
- 02 ○ Container (equivalent to 10 viss)

03 ○ Barrel

G138b. Per...

E IsAnswered(g138)

SINGLE-SELECT g138b

01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total

G139. On how many days per month did you sell peanut oil?

E g136==2
V1 self<=31
M1 Please check again...

NUMERIC: INTEGER g139

G140. What quantity of peanut oil did you sell during intermediate months on average?

E g136==2

NUMERIC: DECIMAL g140

G140a. Unit...

E IsAnswered(g140)

SINGLE-SELECT g140a

01 ○ Viss
02 ○ Container (equivalent to 10 viss)
03 ○ Barrel

G140b. Per ...

E IsAnswered(g140)

SINGLE-SELECT g140b

01 ○ Per day
02 ○ Per week
03 ○ Per month
04 ○ Total

G141. What share of the peanut oil sold in 2012 was sold as pure peanut oil?
%...

V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g141

G142. What share of the peanut oil sold in 2012 was sold as mixed peanut and palm oil?
%...

V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g142

VARIABLE
(g141.HasValue? g141:0)+ (g142.HasValue? g142:0)

DOUBLE share_peanut_oil_2012

STATIC TEXT

E share_peanut_oil_2012!=100

ERROR
SALES OF PURE PEANUT OIL AND MIXED PEANUT OIL MUST BE 100% IN TOTAL.
****

G143. What was the average sales price per viss of pure peanut oil during peak months in 2012?
MMK/Viss

E g133==1

NUMERIC: INTEGER g143

G144. What was the average sales price per viss of pure peanut oil during low months in 2012?

E g136==1

NUMERIC: INTEGER g144

G144a. What was the average sales price per viss of pure peanut oil during intermediate months in 2012?

NUMERIC: INTEGER g144a

E ((high_g134+low_g137)<mth_g132)|| (g133==1 && g136==2 && high_g134<mth_g132) || (g133==2 && g136==1 && low_g137<mth_g132) || (g133==2 && g136==2)

G145. Who were the main customers for peanut oilcake in 2012?

MULTI-SELECT g145

- 01 ☐ Use for own animal feed
- 02 ☐ Retained by custom milling customers
- 03 ☐ Sold to local households
- 04 ☐ Sold to local retailers
- 05 ☐ Traders (Wholesalers, Agents, Brokers) in dry zone
- 06 ☐ Traders (Wholesalers, Agents, Brokers) in Yangon
- 07 ☐ Traders (Wholesalers, Agents, Brokers) in other parts of country
- 08 ☐ Sold direct to animal/fish feed manufacturing company
- 09 ☐ Sold direct to animal/fish farms
- 10 ☐ Other (specify)

G145a. Please specify the 'other'.

TEXT g145a

E g145.Contains(10)

G164a. What share (%) of the peanut oilcake sold in 2012 was Use for own animal feed?

NUMERIC: DECIMAL g146a

E g145.Contains(1)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

G146b. What share (%) of the peanut oilcake sold in 2012 was Retained by custom milling customers?

NUMERIC: DECIMAL g146b

E g145.Contains(2)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

G146c. What share (%) of the peanut oilcake sold in 2012 was Sold to local households?

NUMERIC: DECIMAL g146c

E g145.Contains(3)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

G146d. What share (%) of the peanut oilcake sold in 2012 was Sold to local retailers?

NUMERIC: DECIMAL g146d

E g145.Contains(4)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

G146e. What share (%) of the peanut oilcake sold in 2012 was Traders (Wholesalers, Agents, Brokers) in dry zone?

NUMERIC: DECIMAL g146e

E g145.Contains(5)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

G146f. What share (%) of the peanut oilcake sold in 2012 was Traders (Wholesalers, Agents, Brokers) in Yangon?

NUMERIC: DECIMAL g146f

E g145.Contains(6)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

G146g. What share (%) of the peanut oilcake sold in 2012 was Traders (Wholesalers, Agents, Brokers) in other parts of country?

NUMERIC: DECIMAL g146g

E g145.Contains(7)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

G146h. What share (%) of the peanut oilcake sold in 2012 was Sold direct to animal/fish feed manufacturing company?

NUMERIC: DECIMAL g146h

E g145.Contains(8)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

G146i. What share (%) of the peanut oilcake sold in 2012 was Sold direct to animal/fish farms?

NUMERIC: DECIMAL g146i

E g145.Contains(9)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

G146j. What share (%) of the peanut oilcake sold in 2012 was %g145a%?

NUMERIC: DECIMAL g146j

E g145.Contains(10)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

VARIABLE

```
(g146a.HasValue? g146a:0)+ (g146b.HasValue? g146b:0)+ (g
146c.HasValue? g146c:0)+ (g146d.HasValue? g146d:0)+ (g14
6e.HasValue? g146e:0)+ (g146f.HasValue? g146f:0)+ (g146g
.HasValue? g146g:0)+ (g146h.HasV
```

And 68 other symbols [4]

DOUBLE share_customer_peanut_oilcake_12

STATIC TEXT

E share_customer_peanut_oilcake_12!=100

ERROR
SHARE OF CUSTOMERS IN SELLING PEANUT OILCAKE MUST BE 100% IN TOTAL.
****

G147c. What was the average price of peanut oilcake sold to Sold to local households in 2012?
MMK/Viss...

NUMERIC: INTEGER g147c

E g145.Contains(3)
V1 self.InRange(400,1300) || self==9997 || self==9998
M1 The value you've entered is not possible for the price of peanut oil cak e in 2012. Please check again.

G147d. What was the average price of peanut oilcake sold to Sold to local retailers in 2012?
MMK/Viss...

NUMERIC: INTEGER g147d

E g145.Contains(4)
V1 self.InRange(400,1300) || self==9997 || self==9998
M1 The value you've entered is not possible for the price of peanut oil cak

e in 2012. Please check again.

G147e. What was the average price of peanut oilcake sold to Traders (Wholesalers, Agents, Brokers) in dry zone in 2012?
MMK/Viss...

NUMERIC: INTEGER g147e

E g145.Contains(5)
V1 self.InRange(400,1300) || self==9997 || self==9998
M1 The value you've entered is not possible for the price of peanut oil cak e in 2012. Please check again.

G147f. What was the average price of peanut oilcake sold to Traders (Wholesalers, Agents, Brokers) in Yangon in 2012?
MMK/Viss...

NUMERIC: INTEGER g147f

E g145.Contains(6)
V1 self.InRange(400,1300) || self==9997 || self==9998
M1 The value you've entered is not possible for the price of peanut oil cak e in 2012. Please check again.

G147g. What was the average price of peanut oilcake sold to Traders (Wholesalers, Agents, Brokers) in other parts of country in 2012?
MMK/Viss...

NUMERIC: INTEGER g147g

E g145.Contains(7)
V1 self.InRange(400,1300) || self==9997 || self==9998
M1 The value you've entered is not possible for the price of peanut oil cak e in 2012. Please check again.

G147h. What was the average price of peanut oilcake sold to Sold direct to animal/fish feed manufacturing company in 2012?
MMK/Viss...

NUMERIC: INTEGER g147h

E g145.Contains(8)
V1 self.InRange(400,1300) || self==9997 || self==9998
M1 The value you've entered is not possible for the price of peanut oil cak e in 2012. Please check again.

G147i. What was the average price of peanut oilcake sold to Sold direct to animal/fish farms in 2012?
MMK/Viss...

NUMERIC: INTEGER g147i

E g145.Contains(9)
V1 self.InRange(400,1300) || self==9997 || self==9998
M1 The value you've entered is not possible for the price of peanut oil cak e in 2012. Please check again.

G. MARKETING

SESAME

E e100.Contains(2) && !(e137.ContainsOnly(3,4)) && e102a==2

G148. During which months in last 12 did you sell sesame oil?

MULTI-SELECT g148

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

V1 !(self.Contains(13) && self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

11 ☐ November
12 ☐ December

VARIABLE
(g148.Contains(13)? 12:g148.Length)

DOUBLE mth_g148

G149. Among the months when you sold sesame oil, were there any months when you sold more than others?

SINGLE-SELECT g149
01 ○ Yes
02 ○ No

G150. Among months you sold sesame oil, which were the peak months for sales of sesame oil?

F g148.Contains(13) || g148.Contains(@optioncode)
E g149==1
V1 !g153.ContainsAny(self)
M1 Peak month and lean month should not be the same.

MULTI-SELECT g150
01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE
g150.Length>=1? g150.Length:0

DOUBLE high g150

G151. What quantity of sesame oil did you sell during the most recent peak months?

E g149==1

NUMERIC: DECIMAL g151

G151a. Unit...

E IsAnswered(g151)

SINGLE-SELECT g151a
01 ○ Viss
02 ○ Container (equivalent to 10 Viss)
03 ○ Barrel

G151b. Per...

E IsAnswered(g151)

SINGLE-SELECT g151b
01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total

G152. Among the months when you sold sesame oil, were there any months when you sold less than others?

E (g148.Contains(13)&& g149==1 && g150.Length!=12) || (g149==1 && g150.Length!=mth_g148) || (g149==2)

SINGLE-SELECT g152
01 ○ Yes
02 ○ No

G153. Among months you sold sesame oil, which were the lean months for sales of sesame oil?

F g148.Contains(13) || g148.Contains(@optioncode)
E g152==1
V1 !g150.ContainsAny(self)
M1 Peak month and lean month should not be the same.

MULTI-SELECT g153
01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE

g153.Length>=1? g153.Length:0

DOUBLE low_g153

G154. What quantity of sesame oil did you sell during the most recent lean months?

E g152==1

NUMERIC: DECIMAL g154

G154a. Unit...

E IsAnswered(g154)

SINGLE-SELECT g154a

01 ○ Viss
02 ○ Container (equivalent to 10 viss)
03 ○ Barrel

G154b. Per...

E IsAnswered(g154)

SINGLE-SELECT g154b

01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total

G155. On how many days per month did you sell sesame oil?

E g152==2
V1 self<=31
M1 Please check again...

NUMERIC: INTEGER g155

G156. What quantity of sesame oil did you sell during intermediate months on average?

E g152==2

NUMERIC: DECIMAL g156

G156a. Unit...

E IsAnswered(g156)

SINGLE-SELECT g156a

01 ○ Viss
02 ○ Container (equivalent to 10 viss)
03 ○ Barrel

G156b. Per ...

E IsAnswered(g156)

SINGLE-SELECT g156b

01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total

G157. What share of the sesame oil sold in the last 12 months was sold as pure sesame oil? %...

V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g157

G158. What share of the sesame oil sold in the last 12 months was mixed with palm oil? %...

V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g158

VARIABLE

(g157.HasValue? g157:0)+ (g158.HasValue? g158:0)

DOUBLE share_sesame_oil

STATIC TEXT

E share_sesame_oil!=100

ERROR
SALES OF PURE SESAME OIL AND MIXED SESAME OIL MUST BE 100% IN TOTAL.
****

G159. Who were the main customers for pure sesame oil?

E g157>0

MULTI-SELECT g159

01 ☐ Local consumers
02 ☐ Local retailers
03 ☐ Consumers from elsewhere in dryzone
04 ☐ Consumers from Yangon
05 ☐ Retailers from elsewhere in dryzone
06 ☐ Retailers from Yangon
07 ☐ Wholesalers in Dry Zone
08 ☐ Wholesalers in Yangon
09 ☐ Wholesalers in other part of country
10 ☐ Other 1 (specify)
11 ☐ Other 2 (specify)

G159a. Please specify other ...

E g159.Contains(10)

TEXT g159a

G159b. Please specify other ...

E g159.Contains(11)

TEXT g159b

G160a. What share of pure sesame oil did you sell to Local consumers?
%...

E g159.Contains(1)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

NUMERIC: DECIMAL g160a

G160b. What share of pure sesame oil did you sell to Local retailers?
%...

E g159.Contains(2)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

NUMERIC: DECIMAL g160b

G160c. What share of pure sesame oil did you sell to Consumers from elsewhere in dryzone?
%...

E g159.Contains(3)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

NUMERIC: DECIMAL g160c

G160d. What share of pure sesame oil did you sell to Consumers from Yangon?
%...

E g159.Contains(4)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

NUMERIC: DECIMAL g160d

G160e. What share of pure sesame oil did you sell to Retailers from elsewhere in dryzone?
%...

E g159.Contains(5)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

NUMERIC: DECIMAL g160e

G160f. What share of pure sesame oil did you sell to Retailers from Yangon?
%...

NUMERIC: DECIMAL g160f

E g159.Contains(6)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G160g. What share of pure sesame oil did you sell to Wholesalers in Dry Zone?
%...

NUMERIC: DECIMAL g160g

E g159.Contains(7)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G160h. What share of pure sesame oil did you sell to Wholesalers in Yangon?
%...

NUMERIC: DECIMAL g160h

E g159.Contains(8)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G160i. What share of pure sesame oil did you sell to Wholesalers in other part of country?
%...

NUMERIC: DECIMAL g160i

E g159.Contains(9)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G160j. What share of pure sesame oil did you sell to %g159a%?
%...

NUMERIC: DECIMAL g160j

E g159.Contains(10)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G160k. What share of pure sesame oil did you sell to %g159b%?
%...

NUMERIC: DECIMAL g160k

E g159.Contains(11)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

VARIABLE

```
(g160a.HasValue? g160a:0)+ (g160b.HasValue? g160b:0)+ (g
160c.HasValue? g160c:0)+ (g160d.HasValue? g160d:0)+ (g16
0e.HasValue? g160e:0)+ (g160f.HasValue? g160f:0)
```

DOUBLE share_pure_sesame_consumer_17

STATIC TEXT

E share_pure_sesame_consumer_17!=100

ERROR*
SALES OF PURE SESAME OIL MUST BE 100% IN TOTAL.
****

G. MARKETING / SESAME

Roster: PURE OIL BUYERS :

generated by multi-select question g159 buyers_pure_sesame_oil

G162. How was pure sesame oil sold to %buyers_pure_sesame_oil% during the last 12 months packaged?

MULTI-SELECT g162

01 ☐ Container supplied by customer
02 ☐ Unbranded container provided by this mill
03 ☐ Branded container provided by this mill

G163. What % of the pure sesame oil sold by this mill in the last 12 months was packaged in container supplied by consumer.
%...

NUMERIC: DECIMAL g163

E g162.Contains(1)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G164. What % of the pure sesame oil sold by this mill in the last 12 months was packaged in unbranded container provided by this mill.
%...

NUMERIC: DECIMAL g164

E g162.Contains(2)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G165. What % of the pure sesame oil sold by this mill in the last 12 months was packaged in branded container provided by this mill.
%...

NUMERIC: DECIMAL g165

E g162.Contains(3)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

VARIABLE

(g163.HasValue? g163:0)+ (g164.HasValue? g164:0)+ (g165.HasValue? g165:0)

DOUBLE share packaged pure sesame

STATIC TEXT

E share_packaged_pure_sesame!=100

Error
Total percentage must be 100%

G166. In what year did the mill begin to sell pure sesame oil in branded packaging?

NUMERIC: INTEGER g166

I Put 9998 if the shop does not sell in branded packaging.
V1 $validYear
M1 Please enter a valid year...

G167. What was the average sales price per viss of pure sesame oil during peak months?
MMK/Viss

NUMERIC: DECIMAL g167

E g149==1

G168. What was the average sales price per viss of pure sesame oil during low months?
MMK/Viss

NUMERIC: DECIMAL g168

E g152==1

G169. What was the average sales price per viss of pure sesame oil during intermediate months?
MMK/Viss

NUMERIC: DECIMAL g169

E ((high_g150+low_g153)<mth_g148)|| (g149==1 && g152==2 && high_g150<mth_g148) || (g149==2 && g152==1 && low_g153<mth_g148) || (g149==2 && g152==2)

G170. Who were the main customers for mixed sesame and palm oil?

MULTI-SELECT g170

E g158>0

01 ☐ Local consumers
02 ☐ Local retailers
03 ☐ Consumers from elsewhere in dryzone

04 ☐ Consumers from Yangon
05 ☐ Retailers from elsewhere in dryzone
06 ☐ Retailers from Yangon
07 ☐ Wholesalers in Dry Zone
08 ☐ Wholesalers in Yangon
09 ☐ Wholesalers in other part of country
10 ☐ Other 1 (specify)
11 ☐ Other 2 (specify)

G170a. Please specify other ...

TEXT g170a

E g170.Contains(10)

G170b. Please specify other ...

TEXT g170b

E g170.Contains(11)

G171a. What share of mixed sesame and palm oil did you sell to Local consumers?
%...

NUMERIC: DECIMAL g171a

E g170.Contains(1)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G171b. What share of mixed sesame and palm oil did you sell to Local retailers?
%...

NUMERIC: DECIMAL g171b

E g170.Contains(2)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G171c. What share of mixed sesame and palm oil did you sell to Consumers from elsewhere in dryzone?
%...

NUMERIC: DECIMAL g171c

E g170.Contains(3)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G171d. What share of mixed sesame and palm oil did you sell to Consumers from Yangon?
%...

NUMERIC: DECIMAL g171d

E g170.Contains(4)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G171e. What share of mixed sesame and palm oil did you sell to Retailers from elsewhere in dryzone?
%...

NUMERIC: DECIMAL g171e

E g170.Contains(5)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G171f. What share of mixed sesame and palm oil did you sell to Retailers from Yangon?
%...

NUMERIC: DECIMAL g171f

E g170.Contains(6)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G171g. What share of mixed sesame and palm oil did you sell to Wholesalers in Dry Zone?
%...

NUMERIC: DECIMAL g171g

E g170.Contains(7)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G171h. What share of mixed sesame and palm oil did you sell to Wholesalers in Yangon?
%...

NUMERIC: DECIMAL g171h

E g170.Contains(8)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G171i. What share of mixed sesame and palm oil did you sell to Wholesalers in other part of country?
%...

NUMERIC: DECIMAL g171i

E g170.Contains(9)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G171j. What share of mixed sesame and palm oil did you sell to %g170a%?
%...

NUMERIC: DECIMAL g171j

E g170.Contains(10)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

G171k. What share of mixed sesame and palm oil did you sell to %g170b%?
%...

NUMERIC: DECIMAL g171k

E g170.Contains(11)
V1 self.InRange(0,100)
M1 Percentage must be less than 100.

VARIABLE

```
(g171a.HasValue? g171a:0)+ (g171b.HasValue? g171b:0)+ (g
171c.HasValue? g171c:0)+ (g171d.HasValue? g171d:0)+ (g17
1e.HasValue? g171e:0)+ (g171f.HasValue? g171f:0)
```

DOUBLE share_mix_sesame_consumer_17

STATIC TEXT

E share_mix_sesame_consumer_17!=100

ERROR
SALES OF MIXED SESAME OIL MUST BE 100% IN TOTAL.
****

G. MARKETING / SESAME

Roster: MIXED OIL BUYERS :

generated by multi-select question g170 buyers_mix_sesame_oil

G172. How was mixed sesame oil sold to %buyers_mix_sesame_oil% during the last 12 months packaged?

MULTI-SELECT g172

01 ☐ Container supplied by customer
02 ☐ Unbranded container provided by this mill
03 ☐ Branded container provided by this mill

G173. What % of the mixed sesame oil sold by this mill in the last 12 months was packaged in container supplied by consumer.

NUMERIC: DECIMAL g173

E g172.Contains(1)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G174. What % of the mixed sesame oil sold by this mill in the last 12 months was packaged in unbranded container provided by this mill.

NUMERIC: DECIMAL g174

E g172.Contains(2)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G175. What % of the mixed sesame oil sold by this mill in the last 12 months was packaged in branded container provided by this mill.

NUMERIC: DECIMAL g175

E g172.Contains(3)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

VARIABLE

(g173.HasValue? g173:0)+ (g174.HasValue? g174:0)+ (g175.HasValue? g175:0)

DOUBLE share_packaged_mix_sesame

STATIC TEXT

E share_packaged_mix_sesame!=100

Error
Total percentage must be 100%

G176. In what year did the mill begin to sell mixed sesame oil in branded packaging?

NUMERIC: INTEGER g176

I Put 9998 if the shop does not sell in branded packaging.
V1 $validYear
M1 Please enter a valid year ...

G177. Who were the main customers for sesame oilcake in last 12 months?

MULTI-SELECT g177

- 01 ☐ Use for own animal feed
- 02 ☐ Retained by custom milling customers
- 03 ☐ Sold to local households
- 04 ☐ Sold to local retailers
- 05 ☐ Traders (Wholesalers, Agents, Brokers) in dry zone
- 06 ☐ Traders (Wholesalers, Agents, Brokers) in Yangon
- 07 ☐ Traders (Wholesalers, Agents, Brokers) in other parts of country
- 08 ☐ Sold direct to animal/fish feed manufacturing company
- 09 ☐ Sold direct to animal/fish farms
- 10 ☐ Other (specify)

G177a. Please specify the 'other'.

TEXT g177a

E g177.Contains(10)

G178a. What share (%) of the sesame oilcake sold in the last 12 months was Use for own animal feed?

NUMERIC: DECIMAL g178a

E g177.Contains(1)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G178b. What share (%) of the sesame oilcake

NUMERIC: DECIMAL g178b

sold in the last 12 months was Retained by custom milling customers?

E g177.Contains(2)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G178c. What share (%) of the sesame oilcake sold in the last 12 months was Sold to local households?

NUMERIC: DECIMAL g178c

E g177.Contains(3)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G178d. What share (%) of the sesame oilcake sold in the last 12 months was Sold to local retailers?

NUMERIC: DECIMAL g178d

E g177.Contains(4)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G178e. What share (%) of the sesame oilcake sold in the last 12 months was Traders (Wholesalers, Agents, Brokers) in dry zone?

NUMERIC: DECIMAL g178e

E g177.Contains(5)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G178f. What share (%) of the sesame oilcake sold in the last 12 months was Traders (Wholesalers, Agents, Brokers) in Yangon?

NUMERIC: DECIMAL g178f

E g177.Contains(6)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G178g. What share (%) of the sesame oilcake sold in the last 12 months was Traders (Wholesalers, Agents, Brokers) in other parts of country?

NUMERIC: DECIMAL g178g

E g177.Contains(7)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G178h. What share (%) of the sesame oilcake sold in the last 12 months was Sold direct to animal/fish feed manufacturing company?

NUMERIC: DECIMAL g178h

E g177.Contains(8)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G178i. What share (%) of the sesame oilcake sold in the last 12 months was Sold direct to animal/fish farms?

NUMERIC: DECIMAL g178i

E g177.Contains(9)
V1 self.InRange(0,100)
M1 Percentage should not be more than 100.

G178j. What share (%) of the sesame oilcake sold in the last 12 months was %g177a%?

NUMERIC: DECIMAL g178j

E g177.Contains(10)
V1 self.InRange(0,100)

M1 Percentage should not be more than 100.

VARIABLE

```
(g178a.HasValue? g178a:0)+ (g178b.HasValue? g178b:0)+ (g
178c.HasValue? g178c:0)+ (g178d.HasValue? g178d:0)+ (g17
8e.HasValue? g178e:0)+ (g178f.HasValue? g178f:0)+ (g178g
.HasValue? g178g:0)+ (g178h.HasV
```

And 68 other symbols [3]

DOUBLE share_customer_sesame_oilcake_17

STATIC TEXT

E `share_customer_sesame_oilcake_17!=100`

****ERROR****
SHARE OF CUSTOMERS IN SELLING SESAME OILCAKE MUST BE 100% IN TOTAL.
****

G179c. What was the average price of sesame oilcake sold to Sold to local households in the last 12 months?
MMK/Viss...

NUMERIC: INTEGER g179c

E `g177.Contains(3)`
V1 `self.InRange(500,1500)`
M1 The value you've entered is not possible for the price of sesame oil cake. Please check again.

G179d. What was the average price of sesame oilcake sold to Sold to local retailers in the last 12 months?
MMK/Viss...

NUMERIC: INTEGER g179d

E `g177.Contains(4)`
V1 `self.InRange(500,1500)`
M1 The value you've entered is not possible for the price of sesame oil cake. Please check again.

G179e. What was the average price of sesame oilcake sold to Traders (Wholesalers, Agents, Brokers) in dry zone in the last 12 months?
MMK/Viss...

NUMERIC: INTEGER g179e

E `g177.Contains(5)`
V1 `self.InRange(500,1500)`
M1 The value you've entered is not possible for the price of sesame oil cake. Please check again.

G179f. What was the average price of sesame oilcake sold to Traders (Wholesalers, Agents, Brokers) in Yangon in the last 12 months?
MMK/Viss...

NUMERIC: INTEGER g179f

E `g177.Contains(6)`
V1 `self.InRange(500,1500)`
M1 The value you've entered is not possible for the price of sesame oil cake. Please check again.

G179g. What was the average price of sesame oilcake sold to Traders (Wholesalers, Agents, Brokers) in other parts of country in the last 12 months?
MMK/Viss...

NUMERIC: INTEGER g179g

E `g177.Contains(7)`
V1 `self.InRange(500,1500)`
M1 The value you've entered is not possible for the price of sesame oil cake. Please check again.

G179h. What was the average price of sesame oilcake sold to Sold direct to animal/fish feed manufacturing company in the last 12 months?
MMK/Viss...

NUMERIC: INTEGER g179h

E g177.Contains(8)
V1 self.InRange(500,1500)
M1 The value you've entered is not possible for the price of sesame oil cak e. Please check again.

G179i. What was the average price of sesame oilcake sold to Sold direct to animal/fish farms in the last 12 months?
MMK/Viss...

NUMERIC: INTEGER g179i

E g177.Contains(9)
V1 self.InRange(500,1500)
M1 The value you've entered is not possible for the price of sesame oil cak e. Please check again.

G180. Did you sell sesame oil in 2012?

SINGLE-SELECT g180
01 ○ Yes
02 ○ No

E c100<=2012 || c100==9997

G. MARKETING / SESAME
2012

E g180==1

G181. During which months in 2012 did you sell sesame oil?

MULTI-SELECT g181
13 ☐ All 12 months
01 ☐ January
02 ☐ February
03 ☐ March
04 ☐ April
05 ☐ May
06 ☐ June
07 ☐ July
08 ☐ August
09 ☐ September
10 ☐ October
11 ☐ November
12 ☐ December

V1 !(self.Contains(13) && self.Length>1)
M1 If you choose "All 12 months", other options cannot be selected.

VARIABLE
(g181.Contains(13)? 12:g181.Length)

DOUBLE mth g181

G182. Among the months when you sold sesame oil, were there any months when you sold more than others?

SINGLE-SELECT g182
01 ○ Yes
02 ○ No

G183. Among months you sold sesame oil in 2012, which were the peak months for sales of sesame oil?

MULTI-SELECT g183
01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

F g181.Contains(13) || g181.Contains(@optioncode)
E g182==1
V1 !g186.ContainsAny(self)
M1 Peak month and lean month should not be the same.

VARIABLE
g183.Length>=1? g183.Length:0

DOUBLE high g183

G184. What quantity of sesame oil did you sell

NUMERIC: DECIMAL g184

per week during peak months in 2012?

E g182==1

G184a. Unit...

E IsAnswered(g184)

SINGLE-SELECT g184a

01 ○ Viss
02 ○ Container (equivalent to 10 viss)
03 ○ Barrel

G184b. Per...

E IsAnswered(g184)

SINGLE-SELECT g184b

01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total

G185. Among the months when you sold sesame oil, were there any months when you sold less than others?

E (g181.Contains(13)&& g182==1 && g183.Length!=12) || (g182==1 && g183.Length!=mth_g181) || (g182==2)

SINGLE-SELECT g185

01 ○ Yes
02 ○ No

G186. Among months you sold sesame oil in 2012, which were the lean months for sales of sesame oil?

F g181.Contains(13) || g181.Contains(@optioncode)
E g185==1
V1 !g183.ContainsAny(self)
M1 Peak month and lean month should not be the same.

MULTI-SELECT g186

01 ☐ Jan
02 ☐ Feb
03 ☐ Mar
04 ☐ Apr
05 ☐ May
06 ☐ Jun
07 ☐ July
08 ☐ Aug
09 ☐ Sep
10 ☐ Oct
11 ☐ Nov
12 ☐ Dec

VARIABLE

g186.Length>=1? g186.Length:0

DOUBLE low g186

G187. What quantity of sesame oil did you sell per week during low months in 2012?

E g185==1

NUMERIC: DECIMAL g187

G187a. Unit...

E IsAnswered(g187)

SINGLE-SELECT g187a

01 ○ Viss
02 ○ Container (equivalent to 10 viss)
03 ○ Barrel

G187b. Per...

E IsAnswered(g187)

SINGLE-SELECT g187b

01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total

G188. On how many days per month did you sell sesame oil?

E g185==2
V1 self<=31
M1 Please check again...

NUMERIC: INTEGER g188

G189. What quantity of sesame oil did you sell during intermediate months on average?

NUMERIC: DECIMAL g189

E g185==2

G189a. Unit ...

E IsAnswered(g189)

SINGLE-SELECT g189a

01 ○ Viss
02 ○ Container (equivalent to 10 viss)
03 ○ Barrel

G189b. Per...

E IsAnswered(g189)

SINGLE-SELECT g189b

01 ○ Day
02 ○ Week
03 ○ Month
04 ○ Total

G190. What share of the sesame oil sold in 2012 was sold as pure sesame oil? %...

V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g190

G191. What share of the sesame oil sold in 2012 was sold as mixed sesame and palm oil? %...

V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g191

VARIABLE

(g190.HasValue? g190:0)+ (g191.HasValue? g191:0)

DOUBLE share_sesame_oil_2012

STATIC TEXT

E share_sesame_oil!=100

ERROR
SALES OF PURE SESAME OIL AND MIXED SESAME OIL MUST BE 100% IN TOTAL.
****

G192. What was the average sales price per viss of pure sesame oil during peak months in 2012?
MMK/Viss

E g182==1

NUMERIC: INTEGER g192

G193. What was the average sales price per viss of pure sesame oil during low months in 2012?
MMK/Viss

E g185==1

NUMERIC: INTEGER g193

G193a. What was the average sales price per viss of pure sesame oil during intermediate months in 2012?
MMK/Viss

E ((high_g183+low_g186)<mth_g181)|| (g182==1 && g185==2 && high_g183<mth_g181) || (g182==2 && g185==1 && low_g186<mth_g181) || (g182==2 && g185==2)

NUMERIC: INTEGER g193a

G194. Who were the main customers for sesame oilcake in 2012?

MULTI-SELECT g194

01 ☐ Use for own animal feed
02 ☐ Retained by custom milling customers
03 ☐ Sold to local households
04 ☐ Sold to local retailers

05 ☐ Traders (Wholesalers, Agents, Brokers) in dry zone
06 ☐ Traders (Wholesalers, Agents, Brokers) in Yangon
07 ☐ Traders (Wholesalers, Agents, Brokers) in other parts of country
08 ☐ Sold direct to animal/fish feed manufacturing company
09 ☐ Sold direct to animal/fish farms
10 ☐ Other (specify)

G194a. Please specify the 'other'.

E g194.Contains(10)

TEXT g194a

G195a. What share (%) of the sesame oilcake sold in 2012 was Use for own animal feed?

E g194.Contains(1)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g195a

G195b. What share (%) of the sesame oilcake sold in 2012 was Retained by custom milling customers?

E g194.Contains(2)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g195b

G195c. What share (%) of the sesame oilcake sold in 2012 was Sold to local households?

E g194.Contains(3)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g195c

G195d. What share (%) of the sesame oilcake sold in 2012 was Sold to local retailers?

E g194.Contains(4)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g195d

G195e. What share (%) of the sesame oilcake sold in 2012 was Traders (Wholesalers, Agents, Brokers) in dry zone?

E g194.Contains(5)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g195e

G195f. What share (%) of the sesame oilcake sold in 2012 was Traders (Wholesalers, Agents, Brokers) in Yangon?

E g194.Contains(6)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g195f

G195g. What share (%) of the sesame oilcake sold in 2012 was Traders (Wholesalers, Agents, Brokers) in other parts of country?

E g194.Contains(7)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

NUMERIC: DECIMAL g195g

G195h. What share (%) of the sesame oilcake sold in 2012 was Sold direct to animal/fish feed manufacturing company?

NUMERIC: DECIMAL g195h

E g194.Contains(8)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

G195i. What share (%) of the sesame oilcake sold in 2012 was Sold direct to animal/fish farms?

NUMERIC: DECIMAL g195i

E g194.Contains(9)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

G195j. What share (%) of the sesame oilcake sold in 2012 was %g194a%?

NUMERIC: DECIMAL g195j

E g194.Contains(10)
V1 self.InRange(0,100) || self==9997 || self==9998
M1 Percentage should not be more than 100.

VARIABLE

```
(g195a.HasValue? g195a:0)+ (g195b.HasValue? g195b:0)+ (g
195c.HasValue? g195c:0)+ (g195d.HasValue? g195d:0)+ (g19
5e.HasValue? g195e:0)+ (g195f.HasValue? g195f:0)+ (g195g
.HasValue? g195g:0)+ (g195h.HasV
```

And 68 other symbols [5]

DOUBLE share_customer_sesame_oilcake_12

STATIC TEXT

E share_customer_sesame_oilcake_12!=100

ERROR
SHARE OF CUSTOMERS IN SELLING SESAME OILCAKE MUST BE 100% IN TOTAL.
****

G196c. What was the average price of sesame oilcake sold to Sold to local households in 2012?
MMK/Viss...

NUMERIC: INTEGER g196c

E g194.Contains(3)
V1 self.InRange(400,1300) || self==9997 || self==9998
M1 The value you've entered is not possible for the price of sesame oil cak e in 2012. Please check again.

G196d. What was the average price of sesame oilcake sold to Sold to local retailers in 2012?
MMK/Viss...

NUMERIC: INTEGER g196d

E g194.Contains(4)
V1 self.InRange(400,1300) || self==9997 || self==9998
M1 The value you've entered is not possible for the price of sesame oil cak e in 2012. Please check again.

G196e. What was the average price of sesame oilcake sold to Traders (Wholesalers, Agents, Brokers) in dry zone in 2012?
MMK/Viss...

NUMERIC: INTEGER g196e

E g194.Contains(5)
V1 self.InRange(400,1300) || self==9997 || self==9998
M1 The value you've entered is not possible for the price of sesame oil cak e in 2012. Please check again.

G196f. What was the average price of sesame oilcake sold to Traders (Wholesalers, Agents, Brokers) in Yangon in 2012?

NUMERIC: INTEGER g196f

MMK/Viss...

E g194.Contains(6)
V1 self.InRange(400,1300) || self==9997 || self==9998
M1 The value you've entered is not possible for the price of sesame oil cak e in 2012. Please check again.

G196g. What was the average price of sesame oilcake sold to Traders (Wholesalers, Agents, Brokers) in other parts of country in 2012?
MMK/Viss...

NUMERIC: INTEGER g196g

E g194.Contains(7)
V1 self.InRange(400,1300) || self==9997 || self==9998
M1 The value you've entered is not possible for the price of sesame oil cak e in 2012. Please check again.

G196h. What was the average price of sesame oilcake sold to Sold direct to animal/fish feed manufacturing company in 2012?
MMK/Viss...

NUMERIC: INTEGER g196h

E g194.Contains(8)
V1 self.InRange(400,1300) || self==9997 || self==9998
M1 The value you've entered is not possible for the price of sesame oil cak e in 2012. Please check again.

G196i. What was the average price of sesame oilcake sold to Sold direct to animal/fish farms in 2012?
MMK/Viss...

NUMERIC: INTEGER g196i

E g194.Contains(9)
V1 self.InRange(400,1300) || self==9997 || self==9998
M1 The value you've entered is not possible for the price of sesame oil cak e in 2012. Please check again.

G197. Does the mill advertise the oil it produces?

SINGLE-SELECT g197
01 ○ Yes
02 ○ No

G198. How does it advertise?

E g197==1

MULTI-SELECT g198
01 ☐ Flyers
02 ☐ Posters
03 ☐ Radio advertisements
04 ☐ TV advertisements
05 ☐ Facebook
06 ☐ Own website
99 ☐ Other (Specify)

G198a. Please specify other...

E g198.Contains(99)

TEXT g198a

G198_1. In which year did the mill first advertise using Flyers?

E g198.Contains(1)
V1 $validYear
M1 Please entar a valid year ...

NUMERIC: INTEGER g198_1

G198_2. In which year did the mill first advertise using Posters?

E g198.Contains(2)
V1 $validYear
M1 Please entar a valid year ...

NUMERIC: INTEGER g198_2

G198_3. In which year did the mill first

NUMERIC: INTEGER g198_3

advertise using Radio Advertisements?

E `g198.Contains(3)`
V1 `$validYear`
M1 Please entar a valid year ...

G198_4. In which year did the mill first advertise using TV Advertisements?

NUMERIC: INTEGER `g198_4`

E `g198.Contains(4)`
V1 `$validYear`
M1 Please entar a valid year ...

G198_5. In which year did the mill first advertise using Facebook?

NUMERIC: INTEGER `g198_5`

E `g198.Contains(5)`
V1 `$validYear`
M1 Please entar a valid year ...
V2 `self.InRange(2004,2017) || self==9997`
M2 Facebook has not been launched in that year. Please check again.

G198_6. In which year did the mill first advertise using Own Website?

NUMERIC: INTEGER `g198_6`

E `g198.Contains(6)`
V1 `$validYear`
M1 Please entar a valid year ...

G198_7. In which year did the mill first advertise using %g198a%?

NUMERIC: INTEGER `g198_7`

E `g198.Contains(99)`
V1 `$validYear`
M1 Please entar a valid year ...

H. END OF INTERVIEW

End Time

DATE: CURRENT TIME `end`

APPENDIX A — ENABLING CONDITIONS

[1] e112d_3: E112d_3. How much income did you make on average from custom milling peanuts each month during intermediate season of the last 12 months?
Enablement Condition:

```
(e112b_1==2 && e112b_2==2) ||
(high_custom_milling_2017+low_custom_milling_2017<months_custom_milling_2017) ||
((e112b_1==1 && e112b_2==2) && (high_custom_milling_2017<months_custom_milling_2017)) ||
 ((e112b_1==2 && e112b_2==1) && (low_custom_milling_2017<months_custom_milling_2017))
```

[2] e112e_3: E112e_3. What quantity of peanuts did you custom mill on average during intermediate season of the last 12 months?
Enablement Condition:

```
(e112b_1==2 && e112b_2==2) ||
(high_custom_milling_2017+low_custom_milling_2017<months_custom_milling_2017) ||
((e112b_1==1 && e112b_2==2) && (high_custom_milling_2017<months_custom_milling_2017)) ||
 ((e112b_1==2 && e112b_2==1) && (low_custom_milling_2017<months_custom_milling_2017))
```

[3] e138d_3: E138d_3. How much income did you make on average from custom milling sesame each month during intermediate season of the last 12 months?
Enablement Condition:

```
(e138b_1==2 && e138b_2==2) ||
(h_custom_milling_2017+l_custom_milling_2017<mths_custom_milling_2017) ||
((e138b_1==1 && e138b_2==2) && (h_custom_milling_2017<mths_custom_milling_2017)) ||
 ((e138b_1==2 && e138b_2==1) && (l_custom_milling_2017<mths_custom_milling_2017))
```

[4] e138e_3: E138e_3. What quantity of sesame did you custom mill on average during intermediate season of the last 12 months?
Enablement Condition:

```
(e138b_1==2 && e138b_2==2) ||
(h_custom_milling_2017+l_custom_milling_2017<mths_custom_milling_2017) ||
((e138b_1==1 && e138b_2==2) && (h_custom_milling_2017<mths_custom_milling_2017)) ||
 ((e138b_1==2 && e138b_2==1) && (l_custom_milling_2017<mths_custom_milling_2017))
```

[5] e128d_3: E128d_3. How much income did you make on average from custom milling peanuts each month during intermediate season?
Enablement Condition:

```
(e128b_1==2 && e128b_2==2) ||
(high_custom_milling_2012+low_custom_milling_2012<months_custom_milling_2012) ||
((e128b_1==1 && e128b_2==2) && (high_custom_milling_2012<months_custom_milling_2012)) ||
 ((e128b_1==2 && e128b_2==1) && (low_custom_milling_2012<months_custom_milling_2012))
```

[6] e128e_3: E128e_3. What quantity of peanuts did you custom mill on average during intermediate season?
Enablement Condition:

```
(e128b_1==2 && e128b_2==2) ||
(high_custom_milling_2012+low_custom_milling_2012<months_custom_milling_2012) ||
((e128b_1==1 && e128b_2==2) && (high_custom_milling_2012<months_custom_milling_2012)) ||
 ((e128b_1==2 && e128b_2==1) && (low_custom_milling_2012<months_custom_milling_2012))
```

[7] e154d_3: E154d_3. How much income did you make on average from custom milling sesame each month during intermediate season?
Enablement Condition:

```
(e154b_1==2 && e154b_2==2) ||
(h_custom_milling_2012+l_custom_milling_2012<mths_custom_milling_2012) ||
((e154b_1==1 && e154b_2==2) && (h_custom_milling_2012<mths_custom_milling_2012)) ||
 ((e154b_1==2 && e154b_2==1) && (l_custom_milling_2012<mths_custom_milling_2012))
```

[8] e154e_3: E154e_3. What quantity of sesame did you custom mill on average during intermediate season?
Enablement Condition:

```
(e154b_1==2 && e154b_2==2) ||
(h_custom_milling_2012+l_custom_milling_2012<mths_custom_milling_2012) ||
((e154b_1==1 && e154b_2==2) && (h_custom_milling_2012<mths_custom_milling_2012)) ||
 ((e154b_1==2 && e154b_2==1) && (l_custom_milling_2012<mths_custom_milling_2012))
```

APPENDIX B — OPTIONS

[1] a103a: A103a. District

a103b: A103b. Township

[2] b104: B104. What is %b100%'s highest level of eduational attainment?

Options: 1 : Grade 1, 2 : Grade 2, 3 : Grade 3, 4 : Grade 4, 5 : Grade 5, 6 : Grade 6, 7 : Grade 7, 8 : Grade 8, 9 : Grade 9, 10 : Grade 10, 11 : Grade 11, 1 2 : University Student, 13 : Undergraduate, 17 : Graduate, 18 : Post graduate, 19 : Other non-governmental education (monastic education etc.), 9 7 : Don't know,

b105: B105. In addition to operating a mill, which of the following occupations do the members of the mill owner's household have (rank in order of monetary importance)?

Options: 1 : Oil seed trading business (buying and selling for profit, not for the mill), 2 : Beans & pulses trading business, 3 : Paddy trading busines s, 4 : Agricultural inputs supply business, 5 : Rice mill, 6 : Oil wholesale business (buying from other mills for resale), 7 : Oil retail shop, 8 : Dry good s shop, 9 : Truck rental business, 10 : Agricultural machinery rental business, 11 : Agricultural machinery dealership representative, 12 : Agricultu re (crop farming), 13 : Livestock/poultry raising business, 14 : Professional or government job, 15 : Other non-farm business (specify), 16 : Other s alaried work (specify), 99 : Not Applicable (NA),

d100: D100. What items of equipment does the mill use?

Options: 1 : Peanut thresher, 2 : Sesame cleaning machine, 3 : Sesame color sorter, 4 : All in one milling machine (village style mill), 5 : Crushing m achine (Modern), 7 : Crushing machine + Boiler (Modern), 8 : Crushing machine (Traditional - Manual screw Type),
[3] 9 : Crushing machine (Traditio nal - Motor screw Type), 10 : Peanut screener (for cleaning peanut), 11 : Automated feeder conveyor belt for line of crushing machines (Elevator) , 12 : Oil settlement tank, 13 : Oil filter, 14 : Overhead oil tank, 15 : Boiler, 16 : Motor, 17 : Generator, 18 : Electrical transformer, 19 : Power meter, 9 9 : Other (specify),

[4]

[5]

APPENDIX C — VARIABLES

[1] share_customer_peanut_2017:

(g112a.HasValue? g112a:0)+ (g112b.HasValue? g112b:0)+ (g112c.HasValue? g112c:0)+ (g112d.HasValue? g112d:0)+ (g112e.HasValue? g112e:0)+ (g112f.HasValue? g112f:0)+ (g112g.HasValue? g112g:0)+ (g112h.HasValue? g112h:0)+ (g112i.HasValue? g112i:0)+ (g112j.HasValue? g112j:0)+ (g112k.HasValue? g112k:0)

[2] share_customer_peanut_oilcake_17:

(g129a.HasValue? g129a:0)+ (g129b.HasValue? g129b:0)+ (g129c.HasValue? g129c:0)+ (g129d.HasValue? g129d:0)+ (g129e.HasValue? g129e:0)+ (g129f.HasValue? g129f:0)+ (g129g.HasValue? g129g:0)+ (g129h.HasValue? g129h:0)+ (g129i.HasValue? g129i:0)+ (g129j.HasValue? g129j:0)

[3] share_customer_sesame_oilcake_17:

(g178a.HasValue? g178a:0)+ (g178b.HasValue? g178b:0)+ (g178c.HasValue? g178c:0)+ (g178d.HasValue? g178d:0)+ (g178e.HasValue? g178e:0)+ (g178f.HasValue? g178f:0)+ (g178g.HasValue? g178g:0)+ (g178h.HasValue? g178h:0)+ (g178i.HasValue? g178i:0)+ (g178j.HasValue? g178j:0)

[4] share_customer_peanut_oilcake_12:

(g146a.HasValue? g146a:0)+ (g146b.HasValue? g146b:0)+ (g146c.HasValue? g146c:0)+ (g146d.HasValue? g146d:0)+ (g146e.HasValue? g146e:0)+ (g146f.HasValue? g146f:0)+ (g146g.HasValue? g146g:0)+ (g146h.HasValue? g146h:0)+ (g146i.HasValue? g146i:0)+ (g146j.HasValue? g146j:0)

[5] share_customer_sesame_oilcake_12:

(g195a.HasValue? g195a:0)+ (g195b.HasValue? g195b:0)+ (g195c.HasValue? g195c:0)+ (g195d.HasValue? g195d:0)+ (g195e.HasValue? g195e:0)+ (g195f.HasValue? g195f:0)+ (g195g.HasValue? g195g:0)+ (g195h.HasValue? g195h:0)+ (g195i.HasValue? g195i:0)+ (g195j.HasValue? g195j:0)

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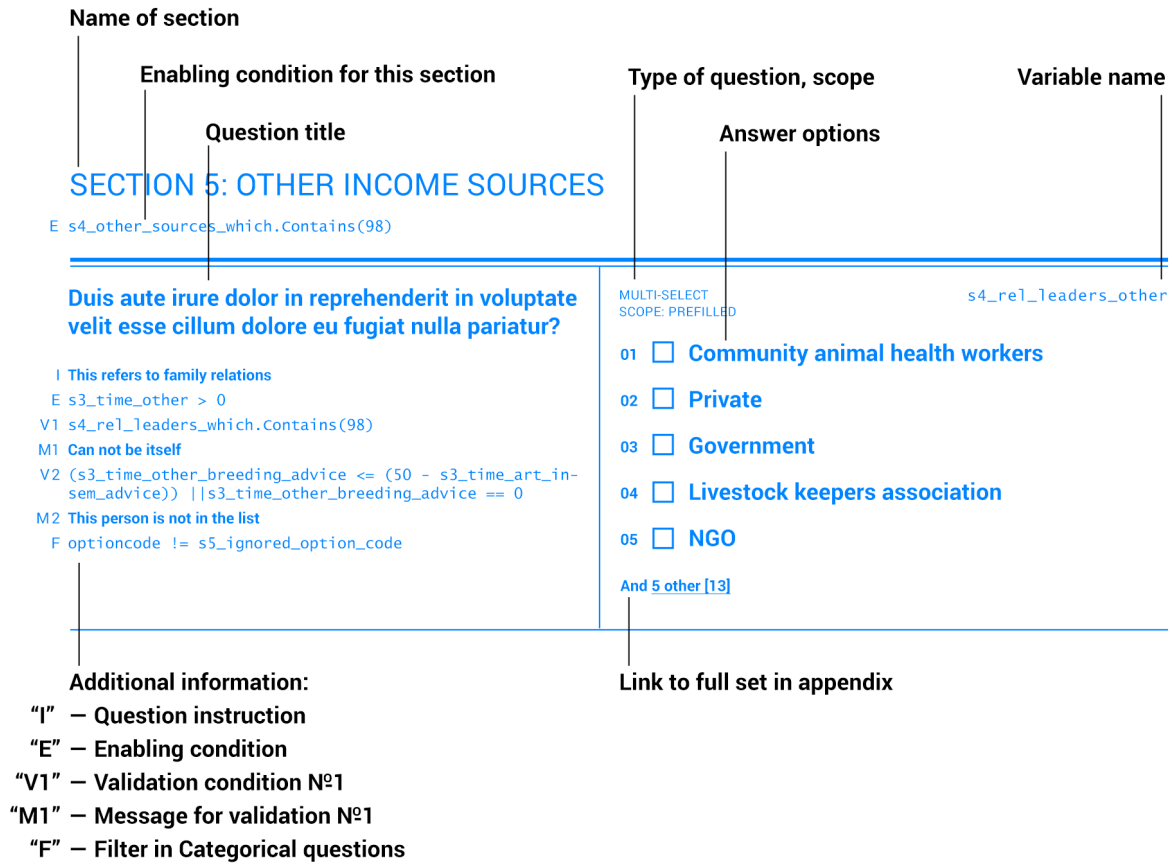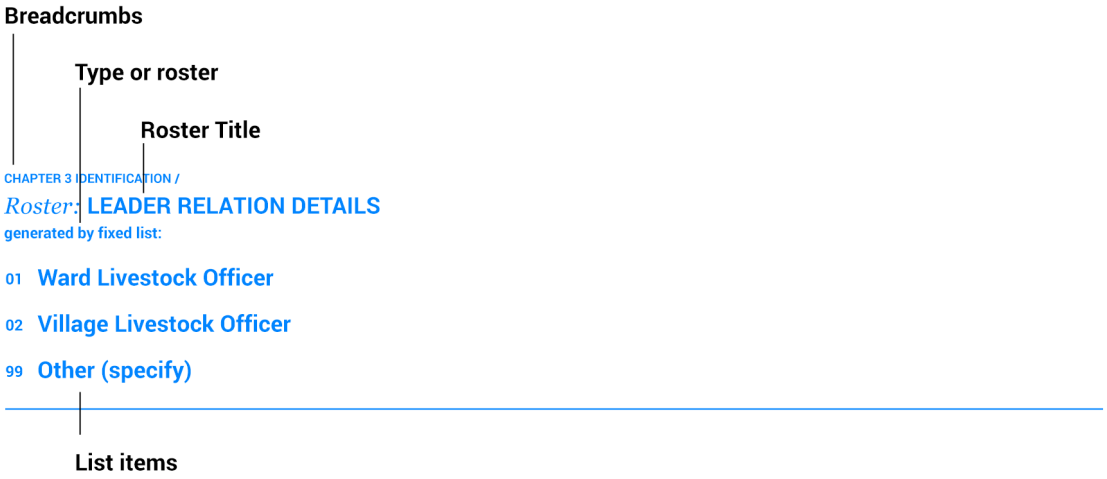
Legend and structure of information in this file