Sections: 18, Sub-sections: 17,
Questions: 450.
Questions with enabling conditions: 274
Questions with validation conditions:249
Rosters: 32
Variables: 67

Survey Solutions

CAS2024 QUESTIONNAIRE_v9

SURVEY IDENTIFICATION INFORMATION
QUESTIONNAIRE DESCRIPTION

COVER
No sub-sections, No rosters, Questions: 8.

COVER PAGE
No sub-sections, No rosters, Questions: 7, Variables: 1.

SECTION 1: RESPONDENT'S IDENTIFICATION AND INFORMED CONSENT
No sub-sections, No rosters, Questions: 28, Static texts: 8, Variables: 5.

SECTION 1A: HOUSEHOLD MEMBERS
No sub-sections, Rosters: 1, Questions: 16, Static texts: 2, Variables: 5.

SECTION 2: HOLDING CHARACTERISTICS
No sub-sections, No rosters, Questions: 5.

SECTION 3: LAND TENURE & AGRICULTURE PRACTICES
Sub-sections: 3, Rosters: 3, Questions: 14, Static texts: 2, Variables: 12.

SECTION 4: CROP PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024
Sub-sections: 3, Rosters: 3, Questions: 83, Static texts: 4, Variables: 26.

SECTION 5: SEEDS,AGRICULTURAL PRACTICES AND INPUTS
Sub-sections: 2, Rosters: 2, Questions: 16, Static texts: 1, Variables: 1.

SECTION 6: NON-RESIDENTIAL BUILDINGS OR STRUCTURES USED FOR CROPS
No sub-sections, Rosters: 2, Questions: 15.

SECTION 7: LIVESTOCK PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024
Sub-sections: 3, Rosters: 2, Questions: 45, Static texts: 4, Variables: 2.

SECTION 8: POULTRY PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024
Sub-sections: 3, Rosters: 2, Questions: 41, Static texts: 1, Variables: 1.

SECTION 9: NON-RESIDENTIAL BUILDINGS (LIVESTOCK & POULTRY)
No sub-sections, Rosters: 1, Questions: 9.

SECTION 10: AQUACULTURE AND/OR CAPTURE FISHING FROM 1 JULY 2023 TO 30 JUNE 2024

Sub-sections: 2, Rosters: 2, Questions: 39, Static texts: 4, Variables: 6.

SECTION 11: ECONOMY DURING 1 JULY 2023 THROUGH 30 JUNE 2024
Sub-sections: 1, Rosters: 3, Questions: 28.

SECTION 12: MACHINERY AND EQUIPMENT
No sub-sections, Rosters: 10, Questions: 54, Static texts: 7, Variables: 7.

SECTION 13: CLIMATE OR ENVIRONMENTAL SHOCKS AND ADAPTATION STRATEGIES DURING 1 JULY 2023 THROUGH 30 JUNE 2024
No sub-sections, Rosters: 1, Questions: 21, Variables: 1.

SECTION 14: HOUSEHOLD REFERENCED FOOD INSECURITY EXPERIENCE SCALE
No sub-sections, No rosters, Questions: 16.

SECTION 15: END OF THE SURVEY
No sub-sections, No rosters, Questions: 5, Static texts: 1.

APPENDIX A — ENABLING CONDITIONS

APPENDIX B — VALIDATION CONDITIONS AND MESSAGES

APPENDIX C — INSTRUCTIONS

APPENDIX D — CATEGORIES

APPENDIX E — VARIABLES

APPENDIX F — CATEGORIES FILTERS

LEGEND

SURVEY IDENTIFICATION INFORMATION QUESTIONNAIRE DESCRIPTION

Basic information

Title	CAS2024 QUESTIONNAIRE_v9
Version notes	v9

Survey data information

Study type	Agricultural Survey
Kind of data	Sample survey data [ssd]
Mode of Data Collection	CAPI

Survey information

Country	Cambodia
Year	2024
Languages	Khmer
Unit of analysis	Agriculture holding
Coverage	National
Primary Investigator	NIS/MAFF
Funding	50x2030

COVER

Holding_ID	TEXT	Holding_ID
PROVINCE. Province	TEXT	PROVINCE
DISTRICT. District	TEXT	DISTRICT
COMMUNE. Commune	TEXT	COMMUNE
VILLAGE.Village	TEXT	VILLAGE
NAME_2024. Name and surname of the CAS2024 survey respondent	TEXT	NAME_2024
CONTACT_2024. Contact number of CAS2024 respondent	TEXT	CONTACT_2024
LEGALNAME_2024. Juridical Holding's name	TEXT	LEGALNAME_2024

COVER PAGE

PROVINCE_ID. Province code	NUMERIC: INTEGER PROVINCE_ID SCOPE: HIDDEN `- - - - - - - - - - - - - - - - - - - - - - - - .`
DISTRICT_ID. District code	NUMERIC: INTEGER DISTRICT_ID SCOPE: HIDDEN `- - - - - - - - - - - - - - - - - - - - - - - - .`
COMMUNE_ID. Commune Code	NUMERIC: INTEGER COMMUNE_ID SCOPE: HIDDEN `- - - - - - - - - - - - - - - - - - - - - - - - .`
VILLAGE_ID. Village code	NUMERIC: INTEGER VILLAGE_ID SCOPE: HIDDEN `- - - - - - - - - - - - - - - - - - - - - - - - .`
stratum. Stratum	NUMERIC: INTEGER stratum SCOPE: HIDDEN `- - - - - - - - - - - - - - - - - - - - - - - - .`
TYPE_PRELOAD. Was this a household holding or a juridical holding as per the 2023 survey?	SINGLE-SELECT TYPE_PRELOAD SCOPE: HIDDEN 01 ○ Household holding 02 ○ Juridical holding
CONFIRM. DO NOT READ OUT LOUD: Is the holding in fact a juridical (non-household) holding? E TYPE_PRELOAD==2 V1 self==1 M1 This holding should be a juridical holding. Please confirm with supervisor.	SINGLE-SELECT CONFIRM 01 ○ Yes 00 ○ No
VARIABLE CONFIRM == 1 ? 2 : 1	DOUBLE Holding_TYPE

SECTION 1: RESPONDENT'S IDENTIFICATION AND INFORMED CONSENT

STATIC TEXT

DO NOT READ OUT LOUD: Go to the holding now and attempt to start the interview. To start the interview seek out a competent respondent. A competent respondent must be 18 years of age or older and must have knowledge of the holding and its agricultural activities. The respondent for this holding will preferably be %NAME_2024%.

S1_Q01. Is any household member still living in this dwelling? E Holding_TYPE==1	SINGLE-SELECT S1_Q01 01 ○ Yes 00 ○ No

STATIC TEXT

E S1_Q01==0

DO NOT READ OUT LOUD: Try to contact %NAME_2024% at %CONTACT_2024% to ask for the household new location. You may ask the neighbors or the village chief to inform you too.

S1_Q02. DO NOT READ OUT LOUD: Does this h ousehold still live in the enumeration area? I * Ask your field supervisor and the village chief for help to answer this question. E S1_Q01==0	SINGLE-SELECT S1_Q02 01 ○ Yes 00 ○ No -99 ○ Don't know / Cannot track h ousehold

STATIC TEXT

E S1_Q02==1

DO NOT READ OUT LOUD: DO NOT READ OUT LOUD: Locate the household and restart the interview from S1_Q01.

INTVW_STARTa. DO NOT READ OUT LOUD: Rec ord the time the interview started (1st attempt) . E S1_Q01==1 || S1_Q02==1 || Holding_TYPE==2	DATE: CURRENT TIME INTVW_STARTa ··

S1_Q03a. DO NOT READ OUT LOUD: Is %NAME_ 2024% available for interview? E S1_Q01==1 || S1_Q02==1 || Holding_TYPE==2	SINGLE-SELECT S1_Q03a 01 ○ Yes 00 ○ No

S1_Q04a. DO NOT READ OUT LOUD: Is any othe r competent respondent available for interview ? I * Must be a competent member of the household, or any other compe tent respondent if juridical holding. E S1_Q03a==0	SINGLE-SELECT S1_Q04a 01 ○ Yes 00 ○ No

STATIC TEXT

E S1_Q04a==0

DO NOT READ OUT LOUD: Set up an appointment and come back later to interview a competent respondent. You may contact %NAME_2024% at %CONTACT_2024% to set a 1st appointment.

INTVW_STARTb. DO NOT READ OUT LOUD: Rec ord the time the interview started (2nd attempt). E S1_Q04a==0	DATE: CURRENT TIME INTVW_STARTb ··

S1_Q03b. DO NOT READ OUT LOUD: Is %NAME_2024% available for interview?	SINGLE-SELECT	S1_Q03b
E S1_Q04a==0	01 ⭕ Yes 00 ⭕ No	

S1_Q04b. DO NOT READ OUT LOUD: Is any other competent respondent available for interview?	SINGLE-SELECT	S1_Q04b
I * Must be a competent member of the household, or any other competent respondent if juridical holding. E S1_Q03b==0	01 ⭕ Yes 00 ⭕ No	

STATIC TEXT

E S1_Q04b==0

DO NOT READ OUT LOUD: Set up an appointment and come back later to interview a competent respondent. You may contact %NAME_2024% at %CONTACT_2024% to set a 2nd appointment.

INTVW_STARTc. DO NOT READ OUT LOUD: Record the time the interview started (3rd attempt).	DATE: CURRENT TIME	INTVW_STARTc
E S1_Q04b==0	··············	

VARIABLE IsAnswered (INTVW_STARTc) ? INTVW_STARTc : (IsAnswered (INTVW_STARTb) ? INTVW_STARTb : INTVW_STARTa)	DATETIME	INTVW_START

S1_Q03c. DO NOT READ OUT LOUD: Is %NAME_2024% available for interview?	SINGLE-SELECT	S1_Q03c
E S1_Q04b==0	01 ⭕ Yes 00 ⭕ No	

S1_Q04c. DO NOT READ OUT LOUD: Is any other competent respondent available for interview?	SINGLE-SELECT	S1_Q04c
I * Must be from the 2023 household members list for household holding, or any other competent respondent if juridical holding. E S1_Q03c==0	01 ⭕ Yes 00 ⭕ No	

RESP_2023. Was he/she respondent in CAC 2023?	SINGLE-SELECT	RESP_2023
I * %NAME_2024% was the respondent interviewed in 2023. E (S1_Q03a==1||S1_Q04a==1||S1_Q03b==1||S1_Q04b==1||S1_Q03c==1||S1_Q04c==1)	01 ⭕ Yes 00 ⭕ No	

RESP_2024. Please write the name of this 2024 respondent.	TEXT	RESP_2024
E Holding_TYPE==1 && RESP_2023==0 V1 self!=NAME_2024 M1 It seems like this is the same respondent as during the census. Please revise RESP_2023.	··············	

RESP_JH. What is your first name and surname?	TEXT	RESP_JH
I * Record the first name and surname. E (S1_Q03a==1||S1_Q04a==1||S1_Q03b==1||S1_Q04b==1||S1_Q03c==1||S1_Q04c==1) && Holding_TYPE==2	··············	

S1_Q05. What is your function on the agricultural holding?

E RESP_2023==1 || IsAnswered(RESP_2024) || IsAnswered(RESP_JH)

V1 self<5

M1 We can only interview household members or employees working on agricultural activities on this holding.

SINGLE-SELECT   S1_Q05

- 01 ◯ Holder (legal and/or economically responsible for the holding)
- 02 ◯ Co-holder (legal and/or economically co-responsible for the holding)
- 03 ◯ Employee working on the holding
- 04 ◯ Household member working on the holding
- 05 ◯ Household member not working on the holding
- 88 ◯ Other

STATIC TEXT

E S1_Q05<5

INFORMED CONSENT:

Hello, my name is _____. I am working with the Provincial Department of Agriculture / Planning. The Ministry of Agriculture, Forestry and Fisheries and the National Institute of Statisitcs are conducting a survey to collect information about the means of production and the size of agricultural holdings in Cambodia. Questions will focus mainly on areas used, crops and fruit production, animals raised, aquaculture or capture fishing activities, persons working on the holding, other activities of the holding, income, expenditures and shocks. The data will be used to inform new agriculture development policies.

All your answers will be kept private and confidential. We will not share your individual information with anyone. You have the right to stop or pause the interview at any time. The interview will take around 45 minutes. This is not a test. there are no right or wrong answers to the questions, so please try to respond as accurately as you can and to tell me the truth so we can gather accurate data.

If you have any questions related to this survey, please contact Mr. Chan Samath at the National Institute of Statistics on 012 909 171. Do you have any questions for me?

CONSENT. Can I start asking questions now?

E S1_Q05<5

SINGLE-SELECT   CONSENT

- 01 ◯ Yes
- 00 ◯ No

S1_Q06a. What is your phone number?

I * If no phone number, enter 000

E CONSENT==1

V1 // checks the length of the phone number entered self=="000" || self.Length.InRange(9,10)

M1 Please record a correct phone number.

TEXT   S1_Q06a

S1_Q06b. What is your second phone number?

I * If no phone number, enter 000

E IsAnswered(S1_Q06a) && S1_Q06a!="000"

V1 // checks the length of the phone number entered and checks that it is not the same as the 1st phone number self=="000" || (self.Length.InRange(9,10) && self!=S1_Q06a)

M1 Please record a correct phone number.

TEXT   S1_Q06b

LEGALNAME. What is the holding's legal name?

E CONSENT==1 && Holding_TYPE==2

TEXT   LEGALNAME

S1_Q07. From 1 July 2023 through 30 June 2024, have any members of your household/holding grown crops on their own account? E `CONSENT==1`	SINGLE-SELECT S1_Q07 01 ◯ Yes 00 ◯ No
S1_Q08. From 1 July 2023 through 30 June 2024, have any members of your household/holding raised livestock, poultry or insects on their own account? I * Do not consider fighting chicken or cattle raised for cattle judging E `CONSENT==1`	SINGLE-SELECT S1_Q08 01 ◯ Yes 00 ◯ No
S1_Q09. From 1 July 2023 through 30 June 2024, have any members of your household/holding engaged in aquaculture on their own account? E `CONSENT==1`	SINGLE-SELECT S1_Q09 01 ◯ Yes 00 ◯ No
VARIABLE `Quest.IRnd()`	DOUBLE rnd
VARIABLE `(int)Math.Round(Quest.IRnd() + 1)`	LONG RANDOM
S1_Q10a. Have any members of your household/holding engaged in capture fishing on their own account in the past 1 month? E `RANDOM==1 && CONSENT==1`	SINGLE-SELECT S1_Q10a 01 ◯ Yes 00 ◯ No
S1_Q10b. From 1 July 2023 through 30 June 2024, have any members of your household/holding engaged in capture fishing on their own account? E `CONSENT==1`	SINGLE-SELECT S1_Q10b 01 ◯ Yes 00 ◯ No
VARIABLE `(S1_Q07==1 || S1_Q08==1 || S1_Q09==1 || S1_Q10b==1) ? 1 : 0`	DOUBLE ELIGIBLE

STATIC TEXT

E `ELIGIBLE==0`

DO NOT READ OUT LOUD: DO NOT READ OUT LOUD: This holding is not eligible for interview. Please confirm the respondent's answers to S1_Q08 to S1_Q11 and inform your field supervisor if these responses remain the same.

S1_Q11. On what date did the holding stop all agricultural activity?_day I * If not sure about exact day, select 15. E `S1_Q07==0 && S1_Q08==0 && S1_Q09==0 && S1_Q10b==0` V1 `self.InRange(1,31)` M1 Please select a valid day of the month.	NUMERIC: INTEGER S1_Q11_day - .
S1_Q11. On what date did the holding stop all agricultural activity?_month E `IsAnswered(S1_Q11_day)` V1 `self.InRange(1,12)` M1 Please select a valid month of the year.	NUMERIC: INTEGER S1_Q11_month - .

S1_Q11. On what date did the holding stop all agricultural activity?_year	NUMERIC: INTEGER	S1_Q11_year
E IsAnswered(S1_Q11_month) V1 self.InRange(2022,2024) M1 Please enter a valid year. V2 IsDate(S1_Q11_year, S1_Q11_month, S1_Q11_day) && DATESTOP<INTVW_START M2 Please enter a valid date.	- .	

VARIABLE	DATETIME	DATESTOP
new DateTime((int) S1_Q11_year, (int) S1_Q11_month, (int) S1_Q11_day)		

STATIC TEXT

E DATESTOP >= (new DateTime (2023, 7, 1))

The reported date %DATESTOP% implies that the holding had some agricultural activity during the reference period. Please check the date or review the answers given at S1_Q07, S1_Q08, S1_Q09 or S1_Q10.

S1_Q12. Could you briefly describe why this holding stopped its agricultural activity.	SINGLE-SELECT	S1_Q12
E DATESTOP < (new DateTime (2023, 7, 1))	01 ◯ Too busy with other work/tasks 02 ◯ Sold, rented out or lost the land 03 ◯ Not profitable to undertake agricultural activities 04 ◯ Use the land for another purpose (build a house, business, road etc) 05 ◯ No persons available to tend to the land (old, sick, children moved out etc.) 88 ◯ Other	

SECTION 1A: HOUSEHOLD MEMBERS

E `ELIGIBLE==1 && Holding_TYPE==1`

STATIC TEXT

Instruction: The questions should be asked of the head of household, spouse of the head of household or other adult household member if both head and spouse are absent.

Please provide the following information on all members usually residing in this household.

S1A_Q01. List all individuals who normally live and eat in your household, starting with the household head and then from oldest to youngest.	LIST S1A_Q01
I * Do not list servants or guests. Record the first name and the surname.	....
V1 `self.All(x=>x.Item2.Split(' ').Length>1)`	
M1 List name and surname.	
V2 `self.Select(x=>x.Item2.ToUpper()).Distinct().Count()==self.Count()`	
M2 Use unique names for household members. Add called names if members have the same name.	

VARIABLE	STRING head_name
`S1A_Q01.FirstOrDefault( x=>x.Item1==( S1A_HHROSTER.FirstOrDefault(y=> y.S1A_Q05==1)?.@rowcode ?? 0))?.Item2 ?? "N/A"`	

SECTION 1A: HOUSEHOLD MEMBERS

Roster: HOUSEHOLD MEMBERS - %ROSTERTITLE%
generated by list question S1A_Q01

S1A_HHROSTER

S1A_Q02. What is %rostertitle%'s Sex?	SINGLE-SELECT S1A_Q02
	01 ◯ Male
	02 ◯ Female

S1A_Q03.What is %rostertitle%'s age?	NUMERIC: INTEGER S1A_Q03
I * In completed years	- .
V1 `self>=0 && self<=120`	
M1 Please enter a valid age.	
W2 `self<=100 || self>120`	
M2 Unlikely to have members aged over 100 years old. Please confirm.	

S1A_Q04. What is %rostertitle%'s relationship to the head of household?

V1 `HHHEAD < 2`

M1 Need one household head per household.

V2 `self==1 && S1A_Q03>=18 || self.InRange(2,12)`

M2 Household head must be 18 years or older.

W3 `self==2 && S1A_Q03>=18 || self.InList(1,3,4,5,6,7,8,9,10,11,12)`

M3 Spouse must be 18 years or older.

V4 `// if current person is father/mother of head S1A_Q04==6 && S1A_HHROSTER.Count(x=>x.S1A_Q04==1 && (S1A_Q03-x.S1A_Q03<=10))==0 || // if current person is head S1A_Q04==1 && S1A_HHROSTER.Count(x=>x.S1` [And 78 other symbols [1]](#)

M4 Age difference between head and his/her parent seems is less than 10 years. Please Check!

V5 `// if current person is head child S1A_Q04==3 && (S1A_HHROSTER.Count(x=>x.S1A_Q04==1 && (x.S1A_Q03-S1A_Q03<=10))==0) || // if current person is head S1A_Q04==1 && S1A_HHROSTER.Count(x=>x.S1A_Q04==3` [And 59 other symbols [1]](#)

M5 Age difference between head and his child is less than 10 years.Please check.

V6 `// if current person is grandchild S1A_Q04==4 && S1A_HHROSTER.Count(x=>x.S1A_Q04==1 && (x.S1A_Q03-S1A_Q03<=20))==0 || // if current person is head S1A_Q04==1 && S1A_HHROSTER.Count(x=>x.S1A_Q04==4 &&` [And 106 other symbols [1]](#)

M6 Age difference between head and his/her grandchild is less than 20 years. Please check.

V7 `//Check head of household with spouse which are the same sex (@rowcode == 1) || (@rowcode > 1 && (S1A_HHROSTER.First(x => x.S1A_Q04 == 1).S1A_Q02 != S1A_HHROSTER.FirstOrDefault(x => x.S1A_Q04 == 2)?.S` [And 8 other symbols [1]](#)

M7 Spouse can not be the same sex, please correct.

V8 `// Ensure only one spouse (code 2) for the household head (code 1) (@rowcode == 1) || (@rowcode > 1 && S1A_HHROSTER.Count(x => x.S1A_Q04 == 1) == 1 && S1A_HHROSTER.Count(x => x.S1A_Q04 == 2) <= 1)`

M8 There cannot be more than one spouse for the head of the household. Please correct.

V9 `(@rowcode == 1 && self == 1) || @rowcode > 1`

M9 First member in the list should be the household head.

SINGLE-SELECT   S1A_Q04

- 01 ◯ Head
- 02 ◯ Spouse
- 03 ◯ Child/adopted child
- 04 ◯ Grandchild
- 05 ◯ Niece/nephew
- 06 ◯ Father/mother
- 07 ◯ Sister/brother
- 08 ◯ Son/daughter-in-law
- 09 ◯ Grandfather/grandmother
- 10 ◯ Father/mother-in-law
- 11 ◯ Other relative
- 12 ◯ Other non-relative

S1A_Q05. What is %rostertitle%'s marital status?

E `S1A_Q03>=13`

V1 `// Apply this condition to S1A_Q05 if S1A_Q04 is "Spouse" (code 2) S1A_Q04 != 2 || (S1A_Q04 == 2 && (S1A_Q05 == 1 || S1A_Q05 == 2))`

M1 Reported In S1A_Q04 is Spouse, So In S1A_Q05 marital status must be "Married" or "Consensual union". Please correct.

SINGLE-SELECT   S1A_Q05

- 01 ◯ Married
- 02 ◯ Consensual union
- 03 ◯ Separated
- 04 ◯ Divorced
- 05 ◯ Widowed
- 06 ◯ Single

S1A_Q06. What is the highest level of education that %rostertitle% has completed?

E S1A_Q03>=5

W1 // Check highest education against age (self.InRange(1,12) && self<=S1A_Q03-4) || // technical training (self==13 && S1A_Q03>=15) || // or university (self==14 && S1A_Q03>=17) || // none or other self And 13 other symbols [2]

M1 This person is %S1A_Q03% years old. It is unlikely he or she completed this grade. Please check.

SINGLE-SELECT   S1A_Q06

00	○ None
01	○ Grade1
02	○ Grade2
03	○ Grade3
04	○ Grade4
05	○ Grade5
06	○ Grade6
07	○ Grade7
08	○ Grade8
09	○ Grade9
10	○ Grade10
11	○ Grade11
12	○ Grade12
13	○ Technical diploma
14	○ University level or higher
88	○ Other (Specify)

S1A_Q06_OTH. Other (Specify).

E S1A_Q06==88

TEXT   S1A_Q06_OTH

....

S1A_Q07. Has %rostertitle% worked on this holding during 1 July 2023 through 30 June 2024, even for one day?

E S1A_Q03>=5

SINGLE-SELECT   S1A_Q07

| 01 | ○ Yes |
| 00 | ○ No |

STATIC TEXT

E // 1.Checks if list of HH members is complete HH_Count==S1A_HHROSTER.Count(x=>IsAnswered(x.S1A_Q03)) // 2. Checks if all eligible members answered the question about working on holding && S1A_HHROS And 164 other symbols [5]

V1 LABOR>=1

M1 There needs to be at least one member working on the holding. Please revise.

ERROR MESSAGE:

RESPNAME. Respondent's name

F $membersFilter

SINGLE-SELECT: LINKED   RESPNAME
SOURCE OF CATEGORIES: ROSTER S1A_HHROSTER

VARIABLE
S1A_HHROSTER.Count(x=>x.S1A_Q04==1)

DOUBLE   HHHEAD

VARIABLE
S1A_HHROSTER.Count()

DOUBLE   HH_Count

HOLDER. Who is the agricultural holding holder in this household?

F $membersFilter

SINGLE-SELECT: LINKED   HOLDER
SOURCE OF CATEGORIES: ROSTER S1A_HHROSTER

PHONE_HOLDER. What is %HOLDER%'s phone number? I * If no phone number, enter 000 * If several phone numbers, record the main one E IsAnswered(HOLDER) V1 `// checks the length of the phone number entered self==" 000" || self.Length.InRange(9,10)` M1 Please record a correct phone number.	TEXT PHONE_HOLDER ··
S1A_Q08. Who in the household is the main decision-maker concerning farming activities in general?	SINGLE-SELECT S1A_Q08 01 ○ Male household member 02 ○ Female household member 03 ○ Shared responsibility between male and female household members
S1A_Q09.Who in your household decided what to do with earnings from the sale of unprocessed crops? E S1_Q07==1	SINGLE-SELECT S1A_Q09 01 ○ Male household member 02 ○ Female household member 03 ○ Shared responsibility between male and female household members
S1A_Q10. Who manages the livestock and poultry currently kept by your holding? E S1_Q08==1	SINGLE-SELECT S1A_Q10 01 ○ Male household member 02 ○ Female household member 03 ○ Shared responsibility between male and female household members
S1A_Q11.Who in your household is responsible for selling livestock and poultry at markets (including sale of live animals or other livestock products)? E S1_Q08==1	SINGLE-SELECT S1A_Q11 01 ○ Male household member 02 ○ Female household member 03 ○ Shared responsibility between male and female household members
S1A_Q12.Who in your household decides on how to use the earnings made from livestock and poultry in the past 12 months (sale of live animals or other products if applicable: milk, eggs, furs...) ? E S1_Q08==1	SINGLE-SELECT S1A_Q12 01 ○ Male household member 02 ○ Female household member 03 ○ Shared responsibility between male and female household members
VARIABLE `S1A_HHROSTER.Count(x=>x.S1A_Q07==1)`	DOUBLE LABOR
VARIABLE `S1A_HHROSTER.Any(x=>x.S1A_Q03>=18 || x.S1A_Q04.InList(1, 2))`	BOOLEAN adult_members

SECTION 2: HOLDING CHARACTERISTICS

E ELIGIBLE==1

S2_Q01. What is the ownership status of the agricultural land used by the holding from 1 July 2023 through 30 June 2024? I * Select all that apply	MULTI-SELECT S2_Q01 01 ☐ Owned/owner-like possession 02 ☐ Rented from other households with payment in terms of money and/or produce 03 ☐ Rent free 04 ☐ Used without any permission 88 ☐ Other land tenure
S2_Q02. What is the legal status of the Holding/ farm operation? W1 `Holding_TYPE==1 && self<2 ||Holding_TYPE==2 && self>1` M1 `<font color="fuchsia">This is a household holding, if the code different 1 please confirm in the comments.</font> <p>This is a Juridical holding , if the code different equal 1 please confirm in the comments</p></strong>`.	SINGLE-SELECT S2_Q02 01 ○ Sole Proprietor (without registration) 02 ○ Sole Proprietor (with registration) 03 ○ General Partnership 04 ○ Limited Partnership 05 ○ Private limited company 06 ○ Public limited company 07 ○ Subsidiary of foreign company 08 ○ Branch of a foreign company 09 ○ Commercial representative office of a foreign company 10 ○ Cooperative 11 ○ State owned organization; autonomy-owned organization 12 ○ NGO
S2_Q03. What is the main intended destination of your agricultural production? E `Holding_TYPE==1`	SINGLE-SELECT S2_Q03 01 ○ Only for home consumption 02 ○ Mainly for home consumption 03 ○ Mainly for sale 04 ○ Only for sale

S2_Q04. What is the main reason why you do not sell more of your production? E `S2_Q03.InList(1,2)`	SINGLE-SELECT S2_Q04 01 ⭕ No market access 02 ⭕ No customers 03 ⭕ Low sale price 04 ⭕ Low production (only for household consumption) 88 ⭕ Other
S2_Q05. What is the agricultural activity that has given the biggest economic returns to the holding during 1 July 2023 through 30 June 2024? I * The agricultural production that represents more than 2/3 of the total value of production * Select code 3 if each of crop and livestock represent equal to or less than 2/3 of the total production F `(@optioncode==1 && S1_Q07==1) || (@optioncode==2 && S1_Q08==1) || (@optioncode==3 && S1_Q07==1 && S1_Q08==1) || (@optioncode==88 && (S1_Q09==1 || S1_Q10b==1))`	SINGLE-SELECT S2_Q05 01 ⭕ Mainly crop production 02 ⭕ Mainly livestock/poultry production 03 ⭕ Mix of crop and livestock/poultry 88 ⭕ Other (aquaculture, fishery, forestry, etc.)

SECTION 3: LAND TENURE & AGRICULTURE PRACTICES

E `ELIGIBLE==1`

SECTION 3: LAND TENURE & AGRICULTURE PRACTICES
PART 1 - PARCELS CHARACTERISTICS

S3_Q01. What is the total number of parcels on the agricultural holding?	NUMERIC: INTEGER S3_Q01
I * Include parcels rented to others and parcels rented from others * A parcel is defined as a piece of land of one tenure type entirely surrounded by other land, water, roads, forests or other features [And 122 other symbols [1]](#)	– –
W1 `self>=0`	
M1 Must be higher or equal to 0.	
W2 `self<=10`	
M2 Please confirm that the number of parcel is higher than 10.	

S3_Q02. List all of your parcels.	LIST S3_Q02
I * Record a name for the parcel, for example based on its specific characteristics, location, crops grown, etc. * Include parcels rented to others and parcels rented from others	··
E `S3_Q01>0`	
V1 `self.Count()==S3_Q01`	
M1 There must be %S3_Q01% parcels.	

SECTION 3: LAND TENURE & AGRICULTURE PRACTICES / PART 1 - PARCELS CHARACTERISTICS
Roster: PARCEL LEVEL - %ROSTERTITLE%
generated by list question S3_Q02

S3_PARCEL

S3_Q03. How was parcel %rostertitle% acquired?	SINGLE-SELECT S3_Q03
	01 ◯ Granted by customary/community authorities
	02 ◯ Allocated by government
	03 ◯ Allocated by family member
	04 ◯ Inherited by the death of family member
	05 ◯ Purchased
	06 ◯ Rented-in, short-term (less than 3 years)
	07 ◯ Rented-in, long-term (3 years or more)
	08 ◯ Sharecropped-in
	09 ◯ Borrowed for free
	10 ◯ Bride price
	11 ◯ Gift from non-household member
	12 ◯ Moved in without permission
	88 ◯ Other

S3_Q04. What is the area of parcel %rostertitle%?	NUMERIC: DECIMAL S3_Q04
V1 `self > 0`	
M1 The value must be > 0.	`- - - - - - - - - - - - - - - - - - - - - - - - - - - -.`

S3_Q04_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.	SINGLE-SELECT S3_Q04_unit
E `IsAnswered(S3_Q04)`	01 ◯ Hectares
V1 `// Parcel area for HHs lower than 20ha (Holding_TYPE==1 && (PARCELHA > 0 && PARCELHA <= 20)) || Holding_TYPE==2`	02 ◯ Ares
M1 Parcel area for HHs should be higher than 0 and lower than 20ha. Please correct.	03 ◯ Square meters
V2 `Holding_TYPE==1 || (Holding_TYPE==2 && PARCELHA.InRange(2,30000))`	
M2 Parcel area for JHs should be higher than 2ha and lower than 30000ha. Please correct.	

VARIABLE	DOUBLE PARCELHA
`S3_Q04_unit==1 ? S3_Q04 : (S3_Q04_unit==2 ? S3_Q04/100 : S3_Q04/10000)`	

S3_Q05. What were all the different land uses of parcel %rostertitle% during 1 July 2023 through 30 June 2024?	MULTI-SELECT S3_Q05
I * Read answers. Select all that apply.	01 ☐ Temporary crops production
F `(@optioncode.InList(1,4) && S1_Q07==1) || (@optioncode.InList(3,5,12) && S1_Q08==1) || (@optioncode==8 && S1_Q09==1) || (@optioncode.InList(2,6,7,9,10,11,88))`	02 ☐ Temporary fallow
	03 ☐ Temporary meadows and pastures
	04 ☐ Permanent crops
	05 ☐ Permanent meadows and pastures
	06 ☐ Farm buildings
	07 ☐ Forest and other wooded land
	08 ☐ Aquaculture
	09 ☐ Rented out or sharecropped out
	10 ☐ Gave out for free
	11 ☐ Unutilized (rocks, wetlands, ponds, including with natural vegetation)
	12 ☐ Raising livestock or poultry
	88 ☐ Other

SECTION 3: LAND TENURE & AGRICULTURE PRACTICES / PART 1 - PARCELS CHARACTERISTICS / PARCEL LEVEL - %ROSTERTITLE%

Roster: LAND USE LEVEL (PARCEL) - %ROSTERTITLE%
generated by multi-select question S3_Q05   S3_LANDUSE_PARCEL

S3_Q06. What area of parcel %S3_PARCEL% is dedicated to %rostertitle%?	NUMERIC: DECIMAL S3_Q06
I * In %S3_Q04_unit%	
V1 `self>0 && self<=S3_Q04`	`- - - - - - - - - - - - - - - - - - - - - - - - - - - -.`
M1 This area must be bigger than 0 and lower or equal to %S3_Q04% %S3_Q04_unit%.	

VARIABLE	DOUBLE	SUMLANDUSE1
S3_LANDUSE_PARCEL.Sum(x=>x.S3_Q06)		

STATIC TEXT

E   SUMLANDUSE1>0 && SUMLANDUSE1!=S3_Q04

V1 SUMLANDUSE1==S3_Q04

M1 The sum of the area of all land uses on this parcel must be equal to the total parcel area reported at S3_Q04 = %S3_Q04% %S3_Q04_unit%. Please check and make sure that land uses on this parcel do not overlap.

Error message:

VARIABLE	DOUBLE	UNUTILIZEDHA
S3_Q05.Contains(11) ? (S3_Q04_unit==1 ? (S3_LANDUSE_PARCEL.Where(x=>x.@rowcode==11).Last().S3_Q06) : (S3_Q04_unit==2 ? (S3_LANDUSE_PARCEL.Where(x=>x.@rowcode==11).Last().S3_Q06/100) : (S3_LANDUSE_PA And 56 other symbols [4]		

VARIABLE	DOUBLE	PARCELUTILIZED
S3_Q05.ContainsAny(1,2,3,4,5) ? (S3_Q04_unit==1 ? (S3_LANDUSE_PARCEL.Where(x=>x.@rowcode<=5).Sum(x=>x.S3_Q06)) : (S3_Q04_unit==2 ? (S3_LANDUSE_PARCEL.Where(x=>x.@rowcode<=5).Sum(x=>x.S3_Q06)/100) : And 72 other symbols [5]		

S3_Q07. In what year did the fallow period for parcel %rostertitle% begin?	NUMERIC: INTEGER	S3_Q07
E S3_Q05.Contains(2) V1 self.InRange(1990,2024) M1 Should be between 1990 and 2024.	------------------------------- .	

VARIABLE	DOUBLE	TOTALPARCELUTILIZED
S3_PARCEL.Sum(x=>x.PARCELUTILIZED)		

SECTION 3: LAND TENURE & AGRICULTURE PRACTICES
PART 2 - HOMELOT CHARACTERISTICS
E Holding_TYPE==1

S3_Q08. What is the total area of your homelot ?	NUMERIC: DECIMAL	S3_Q08
I * Include the house area V1 self>0 M1 Must be higher than 0.	------------------------------- .	

S3_Q08_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.	SINGLE-SELECT	S3_Q08_unit
E IsAnswered(S3_Q08) V1 HOMELOTHA>=0.002 && HOMELOTHA<=2 M1 Homelot area seems outside of the reasonable range (20m2 to 2ha). Please confirm.	01 ◯ Hectares 02 ◯ Ares 03 ◯ Square meters	

VARIABLE	DOUBLE	HOMELOTHA
S3_Q08_unit==1 ? S3_Q08 : (S3_Q08_unit==2 ? S3_Q08/100 : S3_Q08/10000)		

S3_Q09. What are all the different land uses of your homelot?

- I * Read answers. Select all that apply.
- F (@optioncode.InList(1,4) && S1_Q07==1) || (@optioncode.InList(3,5,6) && S1_Q08==1) || (@optioncode.InList(9,13) && S1_Q09==1) || (@optioncode.InList(2,7,8,10,11,12,88))
- V1 self.Contains(10)
- M1 The homelot should include the household residential building, please confirm.

MULTI-SELECT   S3_Q09

01	☐ Temporary crops production
02	☐ Temporary fallow
03	☐ Livestock or poultry raised around the house
04	☐ Permanent crops
05	☐ Permanent meadows and pastures
06	☐ Livestock or poultry raised under the house
07	☐ Non-residential farm buildings
08	☐ Forest and other wooded land
09	☐ Aquaculture
10	☐ House or residential building
11	☐ Business or commercial use
12	☐ Unutilized (rocks, wetlands, ponds, including with natural vegetation)
13	☐ Aquaculture under the house
88	☐ Other

SECTION 3: LAND TENURE & AGRICULTURE PRACTICES / PART 2 - HOMELOT CHARACTERISTICS

Roster: LAND USE LEVEL (HOMELOT) - %ROSTERTITLE%
generated by multi-select question S3_Q09

LANDUSE2

S3_Q10. What area of your homelot is dedicated to %rostertitle%?

- I * In %S3_Q08_unit%
- V1 self>0 && self<=S3_Q08
- M1 This area must be higher than 0 and lower or equal to %S3_Q08% %S3_Q08_unit%.
- V2 (@rowcode.InList(6,13) && self<=HOUSEAREA) || (!@rowcode.InList(6,13))
- M2 Cannot be greater than the house ground floor area = %HOUSEAREA% %S3_Q08_unit%.

NUMERIC: DECIMAL   S3_Q10

‑ .

VARIABLE

LANDUSE2.Where(x=>!x.@rowcode.InList(6,13)).Sum(x=>x.S3_Q10)

DOUBLE   SUMLANDUSE2

VARIABLE

LANDUSE2.Where(x=>x.@rowcode==10).Last().S3_Q10

DOUBLE   HOUSEAREA

STATIC TEXT

- E SUMLANDUSE2>0 && SUMLANDUSE2!=S3_Q08
- V1 SUMLANDUSE2==S3_Q08
- M1 The sum of the area of all land uses on the homelot must be equal to the total homelot area reported at S3_Q08 = %S3_Q08% %S3_Q08_unit%. Please check and make sure that land uses on this parcel do not overlap.

Error message:

VARIABLE	DOUBLE	HOMELOTUTILIZED

```
S3_Q09.ContainsAny(1,2,4,5) ? (S3_Q08_unit==1 ? (LANDUSE
2.Where(x=>x.@rowcode.InList(1,2,4,5)).Sum(x=>x.S3_Q10))
: (S3_Q08_unit==2 ? (LANDUSE2.Where(x=>x.@rowcode.InList
(1,2,4,5)).Sum(x=>x.S3_Q10)/10
```

And 82 other symbols [1]

VARIABLE	DOUBLE	HOMELOTUTILIZED_NOFALLOW

```
S3_Q09.ContainsAny(1,4,5) ? (S3_Q08_unit==1 ? (LANDUSE2.
Where(x=>x.@rowcode.InList(1,4,5)).Sum(x=>x.S3_Q10)) : (
S3_Q08_unit==2 ? LANDUSE2.Where(x=>x.@rowcode.InList(1,
4,5)).Sum(x=>x.S3_Q10)/100) :
```

And 74 other symbols [2]

VARIABLE	DOUBLE	AAU

```
// As per the AGRIS methodology, AAU includes parcels un
der crops, pastures, fallows + "kitchen garden + area fo
r raising livestock and backyards" S3_PARCEL.Sum(x=>x.PA
RCELUTILIZED) + (HOMELOTUTILIZED
```

And 6 other symbols [3]

VARIABLE	DOUBLE	TOTALAREA

```
// Total area includes total parcel area and homelot are
a, no matter the use S3_PARCEL.Sum(x=>x.PARCELHA) + (HOM
ELOTHA ?? 0)
```

SECTION 3: LAND TENURE & AGRICULTURE PRACTICES
PART 3 - TOTAL HOLDING AREA CONFIRMATION

S3_Q11. Do you confirm that your total holding area, including your homelot and all parcels, is %TOTALAREA% hectares? E Holding_TYPE==1 V1 self==1 M1 Review the parcel and homelot areas so the respondent agrees with the total holding area.	SINGLE-SELECT S3_Q11 01 ○ Yes 00 ○ No
S3_Q12. Do you confirm that your total holding area, including all parcels, is %TOTALAREA% hectares? E Holding_TYPE==2 V1 self==1 M1 Review the parcel areas so the respondent agrees with the total holding area.	SINGLE-SELECT S3_Q12 01 ○ Yes 00 ○ No

SECTION 4: CROP PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024

E `ELIGIBLE==1 && S1_Q07==1`

STATIC TEXT

Now I would like to talk more in detail about the crops grown on the holding during 1 July 2023 to 30 June 2024.

SECTION 4: CROP PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024
Roster: %ROSTERTITLE%
generated by fixed list

S4_PARCELHOMELOT

01 PARCEL

02 HOMELOT

E `(@rowcode==1 && IsAnswered(TOTALPARCELUTILIZED) && TOTALPARCELUTILIZED>0) || (@rowcode==2 && IsAnswered(HOMELOTUTILIZED) && HOMELOTUTILIZED>0 && Holding_TYPE==1)`

S4_Q01. Were any crops grown on the %rostertitle% during 1 July 2023 through 30 June 2024?

I * Report all crops grown, regardless of the quantity harvested (even zero). * Report associated crops (mixed crops) grown * Report the presence for each crop grown

V1 `//Checks consistency on whether crops grown on parcel (self==1 && ROWNUM==1 && S3_PARCEL.Count(x=>x.S3_Q05.ContainsAny(1,4))>0) || (self==0 && ROWNUM==1 && S3_PARCEL.Count(x=>x.S3_Q05.ContainsAny(1,4` And 19 other symbols [3]

M1 This answer is not consistent with S3_Q05, please check.

V2 `//Checks consistency on whether crops grown on homelot (self==1 && ROWNUM==2 && S3_Q09.ContainsAny(1,4)) || (self==0 && ROWNUM==2 && !S3_Q09.ContainsAny(1,4)) || ROWNUM==1`

M2 This answer is not consistent with S3_Q09, please check.

SINGLE-SELECT

S4_Q01

01 ○ Yes

00 ○ No

S4_Q02. Please list all the crops produced on the %rostertitle% during 1 July 2023 through 30 June 2024, starting with the main one in terms of value?	MULTI-SELECT S4_Q02

S4_Q02 answer options (MULTI-SELECT):

Code	Option
101	☐ Non-aromatic paddy
102	☐ Aromatic paddy
103	☐ Sticky paddy
104	☐ Maize (young corn)
105	☐ Maize (white/Yellow/Violet corn)
107	☐ Other cereal harvested for grain
201	☐ Potato
202	☐ Sweet potato
203	☐ Cassava
204	☐ Taro/Trao
205	☐ Arrowroot
206	☐ Yam Potato
207	☐ Tiger's claw
208	☐ Tuberous potato
209	☐ Wangled yam
210	☐ Other tubers, root and bulk crops

And 151 other symbols [6]

I   * Report all crops grown, regardless of the quantity harvested (even zero). * Report associated crops (mixed crops) grown * After each crop mentioned by the respondent, prompt "Anything else?"

E   `S4_Q01==1`

V1   `//Checks consistency on whether permanent crops grown on parcel (ROWNUM==1 && ((PERMCROP==1 && S3_PARCEL.Count(x=>x.S3_Q05.Contains(4))>0)) || (PERMCROP==0 && S3_PARCEL.Count(x=>x.S3_Q05.Contains(4))=` And 17 other symbols [4]

M1   This list of permanent crops on parcels is not consistent with S3_Q05, please check.

V2   `//Checks consistency on whether permanent crops grown on homelot (ROWNUM==2 && ((PERMCROP==1 && S3_Q09.Contains(4)) || (PERMCROP==0 && IsAnswered(S3_Q09) && !S3_Q09.Contains(4)))) || ROWNUM==1`

M2   This list of permanent crops on homelot is not consistent with S3_Q09, please check.

V3   `//Checks consistency on whether temporary crops grown on parcel (ROWNUM==1 && ((TEMPCROP==1 && S3_PARCEL.Count(x=>x.S3_Q05.Contains(1))>0) || (TEMPCROP==0 && S3_PARCEL.Count(x=>x.S3_Q05.Contains(1))==` And 17 other symbols [4]

M3   This list of temporary crops on parcels is not consistent with S3_Q05, please check.

V4   `//Checks consistency on whether temporary crops grown on homelot (ROWNUM==2 && ((TEMPCROP==1 && S3_Q09.Contains(1)) || (TEMPCROP==0 && IsAnswered(S3_Q09) && !S3_Q09.Contains(1)))) || ROWNUM==1`

M4   This list of temporary crops on homelot is not consistent with S3_Q05, please check.

VARIABLE	DOUBLE PERMCROP
`S4_CROP.Count(x=> x.@rowcode.InRange(801,829) || x.@rowcode.InRange(831,862) || x.@rowcode.InRange(864,943) || x.@rowcode.InRange(946,975)) > 0 ? 1 : 0`	

VARIABLE	DOUBLE TEMPCROP
`S4_CROP.Count(x=> x.@rowcode.InRange(100,701) || x.@rowcode.InList(830,863,945,997)) > 0 ? 1 : 0`	

VARIABLE	DOUBLE CROPNUMBER
`S4_Q02.Count()`	

VARIABLE	DOUBLE ROWNUM
`@rowindex + 1`	

SECTION 4: CROP PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024 / %ROSTERTITLE%

Roster: PART 1 - INPUTS ROSTER CROPS LEVEL- %ROSTERTITLE%
generated by multi-select question S4_Q02   S4_CROP

VARIABLE	LONG CROPCODE
`@rowcode`	

S4_Q03. Did you apply fertlizers on this %rostertitle% during 1 July 2023 through 30 June 2024? E `$askcrop`	SINGLE-SELECT S4_Q03 01 ○ Yes 00 ○ No

S4_Q04. Which of the following fertlizers on this %rostertitle% during 1 July 2023 through 30 June 2024? I * Read answers. Select all that apply. E `S4_Q03==1`	MULTI-SELECT S4_Q04 01 ☐ Organic fertilizers 02 ☐ Inorganic or chemical fertilizers

S4_Q05. Did you apply any of the following organic fertlizers on this %rostertitle% during 1 July 2023 through 30 June 2024? I * Read answers. Select all that apply. * A biostimulant is a product that stimulates plant growth through the synthesis of growth-promoting substances and/or plant nutrition processes independently of And 343 other symbols [2] E S4_Q04.Contains(1)	MULTI-SELECT S4_Q05 01 ☐ Solid manure 02 ☐ Liquid manure/slurry 03 ☐ Vegetal material or compost 04 ☐ Stabilized sewage sludge 05 ☐ Biostimulant 88 ☐ Other organic fertilizer
S4_Q06. Did you apply any of the following inorganic or chemical fertlizers on this %rostertitle% during 1 July 2023 through 30 June 2024? I * Read answers. Select all that apply. E S4_Q04.Contains(2)	MULTI-SELECT S4_Q06 06 ☐ Urea 07 ☐ Other nitrogenous fertilizer 08 ☐ Superphosphates (>35% of P2O5) 09 ☐ Other phosphatic fertilizer 10 ☐ Potassium chlorine (MOP) 11 ☐ Other potassic fertilizer 12 ☐ NPK 13 ☐ Diammonium phosphate (DAP) 89 ☐ Other inorganic fertilizer
S4_Q07. Did you apply pesticides on this %rostertitle% during 1 July 2023 through 30 June 2024? E $askcrop	SINGLE-SELECT S4_Q07 01 ◯ Yes 00 ◯ No
S4_Q08. Which pesticides did you apply on this %rostertitle% during 1 July 2023 through 30 June 2024? I * Read answers. Select all that apply. E S4_Q07==1	MULTI-SELECT S4_Q08 14 ☐ Insecticides 15 ☐ Herbicides (solid) 16 ☐ Herbicides (liquid) 17 ☐ Fungicides or bactericides 18 ☐ Rodenticides 19 ☐ Molluscicides 90 ☐ Other pesticide
S4_Q09. Was this %rostertitle% ever irrigated during 1 July 2023 through 30 June 2024? E $askcrop	SINGLE-SELECT S4_Q09 01 ◯ Yes 00 ◯ No

SECTION 4: CROP PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024 / %ROSTERTITLE% / PART 1 - INPUTS ROSTER CROPS LEVEL- %ROSTERTITLE%

PART 2 - TEMPORARY CROPS

E $tempcrop

S4_Q10. How many times was %rostertitle% harvested during 1 July 2023 through 30 June 2024?	NUMERIC: INTEGER	S4_Q10
	-------------------------------------.	
I * If continuous harvest then enter 1	SPECIAL VALUES	
V1 (CROPCODE.InList(101,102,103) && self.InRange(0,4)) || (!CROPCODE.InList(101,102,103) && self.InRange(0,10))	00 No harvest	
M1 Must be comprised between 0 and 4 harvests for rice, and 10 harvest for other crops.	01 1 harvest or continuous harvest	

STATIC TEXT

E   `IsAnswered(S4_Q10) && S4_Q10>1`

Now I will ask you about each one of these %S4_Q10% harvests, from the oldest to the most recent.

SECTION 4: CROP PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024 / %ROSTERTITLE% / PART 1 - INPUTS ROSTER CROPS LEVEL- %ROSTERTITLE% / PART 2 - TEMPORARY CROPS

Roster: HARVESTED AREA SUB-ROSTER - %ROSTERTITLE%

generated by numeric question S4_Q10   S4_HARVESTED

S4_Q11. When was %S4_CROP% planted for harvest %rostertitle%?_month	SINGLE-SELECT	S4_Q11
	01 ◯ January	
	02 ◯ February	
	03 ◯ March	
	04 ◯ April	
	05 ◯ May	
	06 ◯ June	
	07 ◯ July	
	08 ◯ August	
	09 ◯ September	
	10 ◯ October	
	11 ◯ November	
	12 ◯ December	

S4_Q12. When was %S4_CROP% planted for harvest %rostertitle%?_year	SINGLE-SELECT	S4_Q12
	2022 ◯ 2022	
E `IsAnswered(S4_Q11)`	2023 ◯ 2023	
V1 `DATEPLANTED <= (new DateTime (2024,6,30))`	2024 ◯ 2024	
M1 The selected planting date must be before the end of the reference period, please correct.		

VARIABLE	DATETIME	DATEPLANTED
`new DateTime ((int)S4_Q12, (int)S4_Q11, 1)`		

S4_Q13.What area of %S4_CROP% was planted for harvest %rostertitle%?	NUMERIC: DECIMAL	S4_Q13
	-------------------------------------.	
I * Include total area planted for this crop, across all lands where it was planted on within the %S4_PARCELHOMELOT%.		
V1 `self>0`		
M1 Must be higher than 0.		

S4_Q13_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.

E   IsAnswered(S4_Q13)

V1   `// Unlikely to have less than 20m2 for HH or 2ha for JH Holding_TYPE==1 && (ROWNUM==1 && AREA_PLANTEDHA>=0.002) || Holding_TYPE==2 && (ROWNUM==1 && AREA_PLANTEDHA>=2) || ROWNUM==2`

M1   Area planted seems very small. Please check unit and area.

V2   `// Unlikely to have more than 50ha for HH or 30000ha for JH Holding_TYPE==1 && ROWNUM==1 && AREA_PLANTEDHA <= 50 || Holding_TYPE==2 && ROWNUM==1 && AREA_PLANTEDHA <= 30000 || ROWNUM==2`

M2   Area planted seems very large. Please check unit and area.

V3   `(ROWNUM==1 && AREA_PLANTEDHA <= TOTALPARCELUTILIZED) || ROWNUM==2`

M3   Area planted cannot be greater than the total parcel utilized area (%TOTALPARCELUTILIZED% hectares). Please check unit and area.

V4   `ROWNUM==1 || (ROWNUM==2 && AREA_PLANTEDHA <= HOMELOTHA)`

M4   Area planted cannot be greater than the total homelot area (%S3_Q08% %S3_Q08_unit%). Please check unit and area.

SINGLE-SELECT		S4_Q13_unit
01	⭕	Hectares
02	⭕	Ares
03	⭕	Square meters

VARIABLE   DOUBLE   AREA_PLANTEDHA

`S4_Q13_unit==1 ? S4_Q13 : (S4_Q13_unit==2 ? S4_Q13/100 : S4_Q13/10000)`

S4_Q14. When did you start harvesting %S4_CROP% for harvest %rostertitle% during 1 July 2023 through 30 June 2024?_month

I   * For continuous harvest, indicate the date when the harvest first began.

SINGLE-SELECT		S4_Q14
01	⭕	January
02	⭕	February
03	⭕	March
04	⭕	April
05	⭕	May
06	⭕	June
07	⭕	July
08	⭕	August
09	⭕	September
10	⭕	October
11	⭕	November
12	⭕	December

S4_Q15. When did you start harvesting %S4_CROP% for harvest %rostertitle% during 1 July 2023 through 30 June 2024?_year

E   IsAnswered(S4_Q14)

V1   `DATEHARVESTED >= (new DateTime(2023, 7, 1)) && DATEHARVESTED <= (new DateTime (2024,6,30))`

M1   The selected harvest date is not within the reference period, please correct.

V2   `DATEHARVESTED >= DATEPLANTED`

M2   The harvest date must be after the planting date.

V3   `//Checks that there are at least 3 months between the date planted and date harvested for rice (CROPCODE.InList(101,102,103) && HARVESTAGE.InRange(3,7)) || (IsAnswered(CROPCODE) && !CROPCODE.InList(10` And 11 other symbols [5]

M3   Paddy rice should grow for 3 to 7 months before it is harvested. Please correct.

SINGLE-SELECT		S4_Q15
2023	⭕	2023
2024	⭕	2024

VARIABLE   LONG   HARVESTAGE

`CenturyMonthCode(DATEHARVESTED.Value.Month , DATEHARVESTED.Value.Year) - CenturyMonthCode(DATEPLANTED.Value.Month , DATEPLANTED.Value.Year)`

VARIABLE   DATETIME   DATEHARVESTED

`new DateTime ((int)S4_Q15, (int)S4_Q14, 1)`

S4_Q16. What area of %S4_CROP% was harvested for harvest %rostertitle%?

I	* Include total area harvested for this crop, across all lands it was harvested from within the [parcel/homelot]. * Ask in %S4_Q13_unit%
V1	`self==-999 || (self>0 && self<=S4_Q13)`
M1	Must be comprised between 0 and %S4_Q13% %S4_Q13_unit%.
V2	`// Maximum difference between area planted and harvested cannot be more than 5ha for HH. (Holding_TYPE==1 && (self==-999 || AREA_PLANTEDHA - self <= 5)) || Holding_TYPE==2`
M2	There seems to be a big difference between the area planted (%AREA_PLANTEDHA% ha) and the area harvested (%AREA_HARVESTEDHA% ha). Please confirm.

NUMERIC: DECIMAL   S4_Q16

- -

SPECIAL VALUES

-999   All of the planted area

VARIABLE

`S4_Q16==-999 ? AREA_PLANTEDHA : (S4_Q13_unit==1 ? S4_Q16 : (S4_Q13_unit==2 ? S4_Q16/100 : S4_Q16/10000))`

DOUBLE   AREA_HARVESTEDHA

S4_Q17. What was the quantity of %S4_CROP% harvested from harvest %rostertitle%?

E	`// Only for priority temporary crops CROPCODE.InList(101,102,103,105,203,302,402,426,441,501,512,521,522,524,527,562)`
V1	`self>0`
M1	Harvested quantity %S4_CROP% must be higher than 0, please correct.

NUMERIC: DECIMAL   S4_Q17

- -

S4_Q17_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.

E	`IsAnswered(S4_Q17) && S4_Q17>0`
V1	`YIELD.InRange(Crops32[(int)CROPCODE].minkgha,Crops32[(int)CROPCODE].maxkgha)`
M1	This production of %S4_Q17% %S4_Q17_unit% seems to be out of the expected range, given the harvested area mentioned above. Please confirm.

SINGLE-SELECT   S4_Q17_unit

01   ○ Kilograms

02   ○ Tonnes

VARIABLE

`S4_Q17_unit==1 ? S4_Q17 : S4_Q17*1000`

DOUBLE   PRODUCTION

VARIABLE

`PRODUCTION/AREA_HARVESTEDHA`

DOUBLE   YIELD

VARIABLE

`S4_HARVESTED.Sum(x=>x.AREA_PLANTEDHA)`

DOUBLE   AREA_PLANTEDHA_TOTAL

VARIABLE

`S4_HARVESTED.Sum(x=>x.AREA_HARVESTEDHA)`

DOUBLE   AREA_HARVESTEDHA_TOTAL

VARIABLE

`S4_HARVESTED.Sum(x=>x.PRODUCTION)`

DOUBLE   PRODUCTION_TOTAL

VARIABLE

`PRODUCTION_TOTAL/AREA_HARVESTEDHA_TOTAL`

DOUBLE   YIELD_TOTAL

S4_Q18. Why was the area harvested of %roste rtitle% less than the area planted? E `AREA_HARVESTEDHA_TOTAL < AREA_PLANTEDHA_TOTAL`	SINGLE-SELECT S4_Q18 01 ◯ Drought/late onset of rain/e rratic rainfall 02 ◯ Flood 03 ◯ Other extreme natural even ts (excessive wind, hail, etc.) 04 ◯ Pest 05 ◯ Theft 06 ◯ Unable to work due to sickn ess 07 ◯ No available labor 88 ◯ Other
S4_Q19. Was %rostertitle% cultivated together with other crops at the same time and in the sa me parcel? E `// Only on parcels and only if more than one crop listed by the respondent ROWNUM==1 && CROPNUMBER>1`	SINGLE-SELECT S4_Q19 01 ◯ Yes, Mixed crops 00 ◯ No, Single crop
S4_Q20. Has any %rostertitle% been planted bu t has not been harvested during 1 July 2023 thr ough 30 June 2024? V1 `S4_Q10 > 0 || (S4_Q10==0 && self==1)` M1 You reported that %rostertitle% was grown on the reference period, b ut reported no harvest, and no planted area. Please check consistency with S4_Q10.	SINGLE-SELECT S4_Q20 01 ◯ Yes 00 ◯ No
S4_Q21. Why did your holding not harvest %ros tertitle% as many times as it was planted? E `S4_Q20==1`	SINGLE-SELECT S4_Q21 01 ◯ Lost crop due to drought/lat e onset of rain/erratic rainfa ll 02 ◯ Lost crop due to flood 03 ◯ Lost crop due to other extre me natural events (excessiv e wind, hail, etc.) 04 ◯ Lost crop due to pest 05 ◯ Lost crop due to violence 06 ◯ Lost crop due to theft 07 ◯ Disagreement on land owne rship 08 ◯ Unable to work due to sickn ess 09 ◯ No available labor 10 ◯ Not harvest season 11 ◯ Delayed/deferred harvest 88 ◯ Other

S4_Q22. What total area of %rostertitle% was planted but not harvested during 1 July 2023 through 30 June 2024?	NUMERIC: DECIMAL S4_Q22
E S4_Q20==1	
V1 self>0	
M1 Must be higher than 0.	

S4_Q22_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.	SINGLE-SELECT S4_Q22_unit
E IsAnswered(S4_Q22)	01 ◯ Hectares
W1 // Unlikely to have less than 20m2 for HH or 2ha for JH Holding_TYPE==1 && (ROWNUM==1 && AREA_NOTHARVESTEDHA >= 0.002) || Holding_TYPE==2 && (ROWNUM==1 && AREA_NOTHARVESTEDHA >= 2) || ROWNUM==2	02 ◯ Ares
M1 Area planted seems very small. Please check unit and area.	03 ◯ Square meters
V2 // Unlikely to have more than 50ha for HH or 30000ha for JH Holding_TYPE==1 && ROWNUM==1 && AREA_NOTHARVESTEDHA <= 50 || Holding_TYPE==2 && ROWNUM==1 && AREA_NOTHARVESTEDHA <= 30000 || ROWNUM==2	
M2 Area planted seems very large. Please check unit and area.	
V3 (ROWNUM==1 && AREA_NOTHARVESTEDHA <= TOTALPARCELUTILIZED) || ROWNUM==2	
M3 Area planted cannot be greater than the total parcel utilized area (%TOTALPARCELUTILIZED% hectares). Please check unit and area.	
V4 ROWNUM==1 || (ROWNUM==2 && AREA_NOTHARVESTEDHA <= HOMELOTHA)	
M4 Area planted cannot be greater than the total homelot area (%S3_Q08% %S3_Q08_unit%). Please check unit and area.	

VARIABLE	DOUBLE AREA_NOTHARVESTEDHA
S4_Q22_unit==1 ? S4_Q22 : (S4_Q22_unit==2 ? S4_Q22/100 : S4_Q22/10000)	

STATIC TEXT

E PRODUCTION_TOTAL>0

Answer the following questions about the destinations of the holding's production from all harvests of %rostertitle% during 1 July 2023 through 30 June 2024.

S4_Q23. Did you store any of the harvested %rostertitle%?	SINGLE-SELECT S4_Q23
I * Only include stock from harvests that occurred between 1 July 2023 and 30 June 2024. Do not include previous years' stock.	01 ◯ Yes
E PRODUCTION_TOTAL>0	00 ◯ No

VARIABLE	STRING STORE_TEXT
S4_Q23==1 ? ", រួមបញ្ចូលទាំងផលិតកម្មក្នុងស្តុក," : " "	

S4_Q24. How much of the %rostertitle% harvested during 1 July 2023 through 30 June 2024 season is being stored in unprocessed form by your household?	NUMERIC: DECIMAL S4_Q24
E S4_Q23==1	

S4_Q24_unit. Unit mentioned by the respondent.	SINGLE-SELECT S4_Q24_unit
E IsAnswered(S4_Q24) && S4_Q24>0	01 ◯ Kilograms
V1 STOREDQUANTITY>0 && STOREDQUANTITY<= PRODUCTION_TOTAL	02 ◯ Tonnes
M1 Stored quantity cannot be greater than the PRODUCTION_TOTAL = %PRODUCTION_TOTAL% kg. Please check.	

VARIABLE	DOUBLE STOREDQUANTITY
S4_Q24_unit==1 ? S4_Q24 : S4_Q24*1000	

S4_Q25. Did your holding use the %rostertitle% production from the %S4_PARCELHOMELOT% %STORE_TEXT% for any of the following purpo ses?

- I * Read answers. Select all that apply.
- F (@optioncode==1 && Holding_TYPE==1) || @optioncode.InList(2,3,4,5, 88)
- E PRODUCTION_TOTAL>0
- W1 (self.ContainsOnly(1) && S4_Q23==1) || (IsAnswered(self) && !self.ContainsOnly(1))
- M1 It is unlikely that this household uses %rostertitl e% for own-consumption only and does not store any. Please co nfirm.

MULTI-SELECT   S4_Q25

- 01 ☐ For own consumption
- 02 ☐ For sale
- 03 ☐ For planting as seed
- 04 ☐ For rendering payment in-ki nd
- 05 ☐ For animal feeding
- 88 ☐ For other purposes

VARIABLE

(IsAnswered(S4_Q26)?1:0) + (IsAnswered(S4_Q27)?1:0) + (I sAnswered(S4_Q29)?1:0) + (IsAnswered(S4_Q30)?1:0) + (IsA nswered(S4_Q31)?1:0) + (IsAnswered(S4_Q32)?1:0)

LONG   Count_S4_Q25

S4_Q26. Approximately what share of your %ro stertitle% production %STORE_TEXT% was for y our own-use, including for your household or other family?

- I * In %
- E S4_Q25.Contains(1)
- V1 self.InRange(1,100)
- M1 Share of crop production use for own-consumption should be > 0 and l ower or equal to 100. Please check.
- V2 (S4_Q25.Length==1 && self==100) || S4_Q25.Length>1
- M2 Share of crop production must be 100% if only use selected at S4_Q25.
- V3 (S4_Q25.Length>1 && S4_Q25.Length==Count_S4_Q25 && self= =100-(S4_Q27??0)-(S4_Q29??0)-(S4_Q30??0)-(S4_Q31??0)-(S4 _Q32??0)) || S4_Q25.Length > Count_S4_Q25 || S4_Q25.Leng th==1
- M3 Sum of all use % must be equal to 100% when all use % have been info rmed.
- V4 (S4_Q25.Length>1 && S4_Q25.Length>Count_S4_Q25 && self<1 00-(S4_Q27??0)-(S4_Q29??0)-(S4_Q30??0)-(S4_Q31??0)-(S4_Q 32??0)) || S4_Q25.Length==Count_S4_Q25 || S4_Q25.Length= =1
- M4 Sum of all use % must be lower than 100% since other uses have not b een informed.
- V5 // Own-consumption should not be higher than 10 tons sel f*PRODUCTION_TOTAL/100 <= 10000
- M5 Own-consumption is unlikely to be higher than 10 tons. Please confirm.

NUMERIC: INTEGER   S4_Q26

- -

SPECIAL VALUES

- 100 All of the amount used
- 075 Three quarters
- 050 Half
- 025 One quarter

S4_Q27. Approximately what share of your %ro stertitle% production %STORE_TEXT% was for s elling?

- I * In %
- E S4_Q25.Contains(2)
- V1 self.InRange(1,100)
- M1 Share of crop production sold should be > 0 and lower or equal to 100. Please check.
- V2 (S4_Q25.Length==1 && self==100) || S4_Q25.Length>1
- M2 Share of crop production must be 100% if only use selected at S4_Q25.
- V3 (S4_Q25.Length>1 && S4_Q25.Length==Count_S4_Q25 && self= =100-(S4_Q26??0)-(S4_Q29??0)-(S4_Q30??0)-(S4_Q31??0)-(S4 _Q32??0)) || S4_Q25.Length > Count_S4_Q25 || S4_Q25.Leng th==1
- M3 Sum of all use % must be equal to 100% when all use % have been info rmed.
- V4 (S4_Q25.Length>1 && S4_Q25.Length>Count_S4_Q25 && self<1 00-(S4_Q26??0)-(S4_Q29??0)-(S4_Q30??0)-(S4_Q31??0)-(S4_Q 32??0)) || S4_Q25.Length==Count_S4_Q25 || S4_Q25.Length= =1
- M4 Sum of all use % must be lower than 100% since other uses have not b een informed.

NUMERIC: INTEGER   S4_Q27

- -

SPECIAL VALUES

- 100 All of the amount used
- 075 Three quarters
- 050 Half
- 025 One quarter

S4_Q28. What was the unit price of last sale of %rostertitle% per kg?

NUMERIC: INTEGER   S4_Q28

- I   * In riels
- E   IsAnswered(S4_Q27) && S4_Q27 > 0
- V1   `self.InRange(Crops32[@rowcode].minkhrkg,Crops32[@rowcode].maxkhrkg)`
- M1   Unit price of %self% riels per kg is highly unlikely. Please revise.

S4_Q29. Approximately what share of your %rostertitle% production %STORE_TEXT% was used for planting as seed?

NUMERIC: INTEGER   S4_Q29

- I   * In %
- E   S4_Q25.Contains(3)
- V1   `self.InRange(1,100)`
- M1   Share of crop production use for seed should be > 0 and lower or equal to 100. Please check.
- V2   `(S4_Q25.Length==1 && self==100) || S4_Q25.Length>1`
- M2   Share of crop production must be 100% if only use selected at S4_Q25.
- V3   `(S4_Q25.Length>1 && S4_Q25.Length==Count_S4_Q25 && self==100-(S4_Q26??0)-(S4_Q27??0)-(S4_Q30??0)-(S4_Q31??0)-(S4_Q32??0)) || S4_Q25.Length > Count_S4_Q25 || S4_Q25.Length==1`
- M3   Sum of all use % must be equal to 100% when all use % have been informed.
- V4   `(S4_Q25.Length>1 && S4_Q25.Length>Count_S4_Q25 && self<100-(S4_Q26??0)-(S4_Q27??0)-(S4_Q30??0)-(S4_Q31??0)-(S4_Q32??0)) || S4_Q25.Length==Count_S4_Q25 || S4_Q25.Length==1`
- M4   Sum of all use % must be lower than 100% since other uses have not been informed.

SPECIAL VALUES

100	All of the amount used
075	Three quarters
050	Half
025	One quarter

S4_Q30. Approximately what share of your %rostertitle% production %STORE_TEXT% was used for rendering payment in-kind?

NUMERIC: INTEGER   S4_Q30

- I   * In %
- E   S4_Q25.Contains(4)
- V1   `self.InRange(1,100)`
- M1   Share of crop production for rendering payment should be > 0 and lower or equal to 100. Please check.
- V2   `(S4_Q25.Length==1 && self==100) || S4_Q25.Length>1`
- M2   Share of crop production must be 100% if only use selected at S4_Q25.
- V3   `(S4_Q25.Length>1 && S4_Q25.Length==Count_S4_Q25 && self==100-(S4_Q26??0)-(S4_Q27??0)-(S4_Q29??0)-(S4_Q31??0)-(S4_Q32??0)) || S4_Q25.Length > Count_S4_Q25 || S4_Q25.Length==1`
- M3   Sum of all use % must be equal to 100% when all use % have been informed.
- V4   `(S4_Q25.Length>1 && S4_Q25.Length>Count_S4_Q25 && self<100-(S4_Q26??0)-(S4_Q27??0)-(S4_Q29??0)-(S4_Q31??0)-(S4_Q32??0)) || S4_Q25.Length==Count_S4_Q25 || S4_Q25.Length==1`
- M4   Sum of all use % must be lower than 100% since other uses have not been informed.

SPECIAL VALUES

100	All of the amount used
075	Three quarters
050	Half
025	One quarter

S4_Q31. Approximately what share of your %rostertitle% production %STORE_TEXT% was used for animal feeding?	NUMERIC: INTEGER	S4_Q31

- I   * In %
- E   S4_Q25.Contains(5)
- V1 self.InRange(1,100)
- M1 Share of crop production used for animal feeding should be > 0 and lower or equal to 100. Please check.
- V2 (S4_Q25.Length==1 && self==100) || S4_Q25.Length>1
- M2 Share of crop production must be 100% if only use selected at S4_Q25.
- V3 (S4_Q25.Length>1 && S4_Q25.Length==Count_S4_Q25 && self==100-(S4_Q26??0)-(S4_Q27??0)-(S4_Q29??0)-(S4_Q30??0)-(S4_Q32??0)) || S4_Q25.Length > Count_S4_Q25 || S4_Q25.Length==1
- M3 Sum of all use % must be equal to 100% when all use % have been informed.
- V4 (S4_Q25.Length>1 && S4_Q25.Length>Count_S4_Q25 && self<100-(S4_Q26??0)-(S4_Q27??0)-(S4_Q29??0)-(S4_Q30??0)-(S4_Q32??0)) || S4_Q25.Length==Count_S4_Q25 || S4_Q25.Length==1
- M4 Sum of all use % must be lower than 100% since other uses have not been informed.

SPECIAL VALUES

100	All of the amount used
075	Three quarters
050	Half
025	One quarter

S4_Q32. Approximately what share of your %rostertitle% production %STORE_TEXT% was used for other purposes not specified here?	NUMERIC: INTEGER	S4_Q32

- I   * In %
- E   S4_Q25.Contains(88)
- V1 self.InRange(1,100)
- M1 Share of crop production used for other purposes should be > 0 and lower or equal to 100. Please check.
- V2 (S4_Q25.Length==1 && self==100) || S4_Q25.Length>1
- M2 Share of crop production must be 100% if only use selected at S4_Q25.
- V3 (S4_Q25.Length>1 && S4_Q25.Length==Count_S4_Q25 && self==100-(S4_Q26??0)-(S4_Q27??0)-(S4_Q29??0)-(S4_Q30??0)-(S4_Q31??0)) || S4_Q25.Length > Count_S4_Q25 || S4_Q25.Length==1
- M3 Sum of all use % must be equal to 100% when all use % have been informed.
- V4 (S4_Q25.Length>1 && S4_Q25.Length>Count_S4_Q25 && self<100-(S4_Q26??0)-(S4_Q27??0)-(S4_Q29??0)-(S4_Q30??0)-(S4_Q31??0)) || S4_Q25.Length==Count_S4_Q25 || S4_Q25.Length==1
- M4 Sum of all use % must be lower than 100% since other uses have not been informed.

SPECIAL VALUES

100	All of the amount used
075	Three quarters
050	Half
025	One quarter

SECTION 4: CROP PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024 / %ROSTERTITLE% / PART 1 - INPUTS ROSTER CROPS LEVEL- %ROSTERTITLE%

PART 3 - PERMANENT CROPS

- E $permcrop

S4_Q33. Are %rostertitle% plants planted in a row?	SINGLE-SELECT	S4_Q33

01	◯ Yes (compact planting)
00	◯ No (scattered planting)

S4_Q34. What is the distance between each %rostertitle% row?	NUMERIC: DECIMAL	S4_Q34

- E   //Asked only if compact planting and in parcel S4_Q33==1 && ROWNUM==1
- V1 self>0
- M1 Must be higher than 0.

S4_Q34_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent. E IsAnswered(S4_Q34) V1 (S4_Q34.InRange(0.5,10) && self==1) || (S4_Q34.InRange(50,1000) && self==2) M1 Must be between 0.5 and 10 meters.	SINGLE-SELECT S4_Q34_unit 01 ○ Meters 02 ○ Centimeters
S4_Q35. What is the distance between %rostertitle% plants in a row? I * Ask in %S4_Q34_unit% E //Asked only if compact planting and in parcel S4_Q33==1 && ROWNUM==1 V1 (S4_Q34_unit==1 && self.InRange(0.5,10)) || (S4_Q34_unit==2 && self.InRange(50,1000)) M1 Must be between 0.5 and 10 meters.	NUMERIC: DECIMAL S4_Q35 -
S4_Q36. What was the total area of %rostertitle% during 1 July 2023 to 30 June 2024? E //Asked only if compact planting and in parcel ROWNUM==1 && S4_Q33==1 V1 self>0 M1 Must be higher than 0.	NUMERIC: DECIMAL S4_Q36 -
S4_Q36_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent. E IsAnswered(S4_Q36) W1 // Unlikely to have less than 20m2 for HH or 2ha for JH Holding_TYPE==1 && (ROWNUM==1 && AREA_PLANTPERMHA>=0.002) || Holding_TYPE==2 && (ROWNUM==1 && AREA_PLANTPERMHA>=2) || ROWNUM==2 M1 Area planted seems very small. Please check unit and area. W2 // Unlikely to have more than 50ha for HH or 30000ha for JH Holding_TYPE==1 && ROWNUM==1 && AREA_PLANTPERMHA <= 50 || Holding_TYPE==2 && ROWNUM==1 && AREA_PLANTPERMHA <= 30000 || ROWNUM==2 M2 Area planted seems very large. Please check unit and area. V3 AREA_PLANTPERMHA <= TOTALPARCELUTILIZED M3 Area planted cannot be greater than the total parcel utilized area (%TOTALPARCELUTILIZED% hectares). Please check unit and area.	SINGLE-SELECT S4_Q36_unit 01 ○ Hectares 02 ○ Ares 03 ○ Square meters
S4_Q37. What was the area of %rostertitle% in production during 1 July 2023 to 30 June 2024? I * Ask in %S4_Q36_unit% E //Asked only if compact planting and in parcel IsAnswered(S4_Q36) && S4_Q36>0 V1 AREA_HARVESTPERMHA.InRange(0,AREA_PLANTPERMHA) M1 Productive area cannot be higher than the planted area %AREA_PLANTPERMHA% ha.	NUMERIC: DECIMAL S4_Q37 - SPECIAL VALUES -999 All of the area
S4_Q38. What was the number of %rostertitle% trees? E //On parcels if scattered planting. or on homelot (ROWNUM==1 && S4_Q33==0) || ROWNUM==2 V1 self>0 M1 Must be higher than 0.	NUMERIC: INTEGER S4_Q38 -
S4_Q39. What was the number of productive %rostertitle% trees? E IsAnswered(S4_Q38) V1 self==-999 || (self>=0 && self<=S4_Q38) M1 Must be higher or equal to 0 and lower or equal to the number of trees planted (%S4_Q38%).	NUMERIC: INTEGER S4_Q39 - SPECIAL VALUES -999 All trees

VARIABLE S4_Q39==-999 ? S4_Q38 : S4_Q39	LONG PRODTREE

S4_Q40. In what year were most of the %roster title% trees planted? V1 `self.InRange(1950,2024) || self==-99` M1 Please select a relevant year.	NUMERIC: INTEGER S4_Q40 - SPECIAL VALUES -99 Don't know

VARIABLE `IsAnswered(S4_Q36) ? (S4_Q36_unit==1 ? S4_Q36 : (S4_Q36_unit==2 ? S4_Q36/100 : S4_Q36/10000)) : S4_Q38/Treeperha[@rowcode].treeperha`	DOUBLE AREA_PLANTPERMHA

VARIABLE `IsAnswered(S4_Q37) && S4_Q37==-999 ? AREA_PLANTPERMHA : (IsAnswered(S4_Q37) && S4_Q37!=-999 && S4_Q36_unit==1 ? S4_Q37 : (IsAnswered(S4_Q37) && S4_Q37!=-999 && S4_Q36_unit==2 ? S4_Q37/100 : (IsAnsw` [And 105 other symbols [6]](#)	DOUBLE AREA_HARVESTPERMHA

S4_Q41. What was the total quantity of %roster title% harvested during 1 July 2023 through 30 June 2024? I * Include all production harvested from all harvest periods E `$askcrop && AREA_HARVESTPERMHA>0` V1 `self>0` M1 Harvested quantity must be higher than 0, please correct.	NUMERIC: DECIMAL S4_Q41 - .

S4_Q41_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent. I * Include all production harvested from all harvest periods E `IsAnswered(S4_Q41) && S4_Q41>0` V1 `YIELD_PERM.InRange(Crops32[@rowcode].minkgha,Crops32[@rowcode].maxkgha)` M1 This production of %S4_Q41% %S4_Q41_unit% seems to be out of the expected range, given the harvested area mentioned above. Please confirm.	SINGLE-SELECT S4_Q41_unit 01 ○ Kilograms 02 ○ Tonnes

VARIABLE `S4_Q41_unit==1 ? S4_Q41/AREA_HARVESTPERMHA : S4_Q41*1000/AREA_HARVESTPERMHA`	DOUBLE YIELD_PERM This variable is excluded from the exported data

STATIC TEXT

E   `S4_Q41>0`

Answer the following questions about the destinations of the holding's production from all harvests of %rostertitle% during 1 July 2023 through 30 June 2024. Use the same unit of measure that was reported for quantities in previous questions.

S4_Q42. Did you store any of the harvested %rostertitle%? I * Only include stock from harvests that occurred between 1 July 2023 and 30 June 2024. Do not include previous years' stock. E `S4_Q41>0`	SINGLE-SELECT S4_Q42 01 ○ Yes 00 ○ No

S4_Q43. How much of the %rostertitle% harvested during 1 July 2023 through 30 June 2024 season is being stored in unprocessed form by your household? E `S4_Q42==1`	NUMERIC: INTEGER S4_Q43 -

S4_Q43_unit. Unit mentioned by the responden t.

E   IsAnswered(S4_Q43) && S4_Q43>0

V1   self==1 ? (S4_Q41_unit==1? S4_Q43<=S4_Q41 : S4_Q43<=S4_Q 41/1000) : (S4_Q41_unit==2? S4_Q43<=S4_Q41 : S4_Q43<=S4_ Q41*1000)

M1   Stored quantity cannot be greater than the total %rostertitle% producti on. Please check.

SINGLE-SELECT		S4_Q43_unit
01	○ Kilograms	
02	○ Tonnes	

VARIABLE

S4_Q42==1 ? ", រួមបញ្ចូលទាំងផលិតកម្ម្ត្ត" : " "

STRING   STORE_TEXT2

S4_Q44. Did your holding use the %rostertitle% production from the %S4_PARCELHOMELOT% %STORE_TEXT2% for any of the following purp oses?

I   * Read answers. Select all that apply.

F   (@optioncode==1 && Holding_TYPE==1) || @optioncode.InList(2,3,4,5, 88)

E   S4_Q41>0

W1   (self.ContainsOnly(1) && S4_Q42==1) || (IsAnswered(self) && !self.ContainsOnly(1))

M1   It is unlikely that this household uses %rostertitl e% for own-consumption only and does not store any. Please co nfirm.

MULTI-SELECT		S4_Q44
01	☐ For own consumption	
02	☐ For sale	
03	☐ For planting as seed	
04	☐ For rendering payment in-ki nd	
05	☐ For animal feeding	
88	☐ For other purposes	

VARIABLE

(IsAnswered(S4_Q45)?1:0) + (IsAnswered(S4_Q46)?1:0) + (I sAnswered(S4_Q48)?1:0) + (IsAnswered(S4_Q49)?1:0) + (IsA nswered(S4_Q50)?1:0) + (IsAnswered(S4_Q51)?1:0)

LONG   Count_S4_Q44

S4_Q45. Approximately what share of your %ro stertitle% production %STORE_TEXT2% was for your own-use, including for your household or other family?

I   * In %

E   S4_Q44.Contains(1)

V1   self.InRange(1,100)

M1   Share of crop production use for own-consumption should be > 0 and l ower or equal to 100. Please check.

V2   (S4_Q44.Length==1 && self==100) || S4_Q44.Length>1

M2   Share of crop production must be 100% if only use selected at S4_Q44.

V3   (S4_Q44.Length>1 && S4_Q44.Length==Count_S4_Q44 && self= =100-(S4_Q46??0)-(S4_Q48??0)-(S4_Q49??0)-(S4_Q50??0)-(S4 _Q51??0)) || S4_Q44.Length > Count_S4_Q44 || S4_Q44.Leng th==1

M3   Sum of all use % must be equal to 100% when all use % have been info rmed.

V4   (S4_Q44.Length>1 && S4_Q44.Length>Count_S4_Q44 && self<1 00-(S4_Q46??0)-(S4_Q48??0)-(S4_Q49??0)-(S4_Q50??0)-(S4_Q 51??0)) || S4_Q44.Length==Count_S4_Q44 || S4_Q44.Length= =1

M4   Sum of all use % must be lower than 100% since other uses have not b een informed.

V5   // Own-consumption should not be higher than 10 tons S4_ Q41_unit==1? self*S4_Q41/100 <= 10000 : self*S4_Q41/100 <= 10

M5   Own-consumption is unlikely to be higher than 10 tons. Please confirm.

NUMERIC: INTEGER   S4_Q45

‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ .

SPECIAL VALUES

100	All of the amount used
075	Three quarters
050	Half
025	One quarter

S4_Q46. Approximately what share of your %ro stertitle% production %STORE_TEXT2% was for selling?

I * In %
E S4_Q44.Contains(2)
V1 self.InRange(1,100)
M1 Share of crop production that was sold should be > 0 and lower or equ al to 100. Please check.
V2 (S4_Q44.Length==1 && self==100) || S4_Q44.Length>1
M2 Share of crop production must be 100% if only use selected at S4_Q44.
V3 (S4_Q44.Length>1 && S4_Q44.Length==Count_S4_Q44 && self= =100-(S4_Q45??0)-(S4_Q48??0)-(S4_Q49??0)-(S4_Q50??0)-(S4 _Q51??0)) || S4_Q44.Length > Count_S4_Q44 || S4_Q44.Leng th==1
M3 Sum of all use % must be equal to 100% when all use % have been info rmed.
V4 (S4_Q44.Length>1 && S4_Q44.Length>Count_S4_Q44 && self<1 00-(S4_Q45??0)-(S4_Q48??0)-(S4_Q49??0)-(S4_Q50??0)-(S4_Q 51??0)) || S4_Q44.Length==Count_S4_Q44 || S4_Q44.Length= =1
M4 Sum of all use % must be lower than 100% since other uses have not b een informed.

NUMERIC: INTEGER   S4_Q46

SPECIAL VALUES

100	All of the amount sold
075	Three quarters
050	Half
025	One quarter

S4_Q47. What was the unit price of last sale of %rostertitle% per %S4_Q41_unit%?

I * In riels
E IsAnswered(S4_Q46) && S4_Q46 > 0
V1 self.InRange(Crops32[@rowcode].minkhrkg,Crops32[@rowcode].maxkhrkg)
M1 Unit price of %self% riels per %S4_Q41_unit% is highly unlikely. Please revise.

NUMERIC: INTEGER   S4_Q47

S4_Q48. Approximately what share of your %ro stertitle% production %STORE_TEXT2% was use d for planting as seed?

I * In %
E S4_Q44.Contains(3)
V1 self.InRange(1,100)
M1 Share of crop production that was used for planting as seed should be > 0 and lower or equal to 100. Please check.
V2 (S4_Q44.Length==1 && self==100) || S4_Q44.Length>1
M2 Share of crop production must be 100% if only use selected at S4_Q44.
V3 (S4_Q44.Length>1 && S4_Q44.Length==Count_S4_Q44 && self= =100-(S4_Q45??0)-(S4_Q46??0)-(S4_Q49??0)-(S4_Q50??0)-(S4 _Q51??0)) || S4_Q44.Length > Count_S4_Q44 || S4_Q44.Leng th==1
M3 Sum of all use % must be equal to 100% when all use % have been info rmed.
V4 (S4_Q44.Length>1 && S4_Q44.Length>Count_S4_Q44 && self<1 00-(S4_Q45??0)-(S4_Q46??0)-(S4_Q49??0)-(S4_Q50??0)-(S4_Q 51??0)) || S4_Q44.Length==Count_S4_Q44 || S4_Q44.Length= =1
M4 Sum of all use % must be lower than 100% since other uses have not b een informed.

NUMERIC: INTEGER   S4_Q48

SPECIAL VALUES

100	All of the amount sold
075	Three quarters
050	Half
025	One quarter

S4_Q49. Approximately what share of your %rostertitle% production %STORE_TEXT2% was used for rendering payment in-kind?

I * In %
E S4_Q44.Contains(4)
V1 `self.InRange(1,100)`
M1 Share of crop production that was used for rendering payment should be > 0 and lower or equal to 100. Please check.
V2 `(S4_Q44.Length==1 && self==100) || S4_Q44.Length>1`
M2 Share of crop production must be 100% if only use selected at S4_Q44.
V3 `(S4_Q44.Length>1 && S4_Q44.Length==Count_S4_Q44 && self==100-(S4_Q45??0)-(S4_Q46??0)-(S4_Q48??0)-(S4_Q50??0)-(S4_Q51??0)) || S4_Q44.Length > Count_S4_Q44 || S4_Q44.Length==1`
M3 Sum of all use % must be equal to 100% when all use % have been informed.
V4 `(S4_Q44.Length>1 && S4_Q44.Length>Count_S4_Q44 && self<100-(S4_Q45??0)-(S4_Q46??0)-(S4_Q48??0)-(S4_Q50??0)-(S4_Q51??0)) || S4_Q44.Length==Count_S4_Q44 || S4_Q44.Length==1`
M4 Sum of all use % must be lower than 100% since other uses have not been informed.

NUMERIC: INTEGER   S4_Q49

SPECIAL VALUES

100	All of the amount sold
075	Three quarters
050	Half
025	One quarter

S4_Q50. Approximately what share of your %rostertitle% production %STORE_TEXT2% was used for animal feeding?

I * In %
E S4_Q44.Contains(5)
V1 `self.InRange(1,100)`
M1 Share of crop production that was used for animal feeding should be > 0 and lower or equal to 100. Please check.
V2 `(S4_Q44.Length==1 && self==100) || S4_Q44.Length>1`
M2 Share of crop production must be 100% if only use selected at S4_Q44.
V3 `(S4_Q44.Length>1 && S4_Q44.Length==Count_S4_Q44 && self==100-(S4_Q45??0)-(S4_Q46??0)-(S4_Q48??0)-(S4_Q49??0)-(S4_Q51??0)) || S4_Q44.Length > Count_S4_Q44 || S4_Q44.Length==1`
M3 Sum of all use % must be equal to 100% when all use % have been informed.
V4 `(S4_Q44.Length>1 && S4_Q44.Length>Count_S4_Q44 && self<100-(S4_Q45??0)-(S4_Q46??0)-(S4_Q48??0)-(S4_Q49??0)-(S4_Q51??0)) || S4_Q44.Length==Count_S4_Q44 || S4_Q44.Length==1`
M4 Sum of all use % must be lower than 100% since other uses have not been informed.

NUMERIC: INTEGER   S4_Q50

SPECIAL VALUES

100	All of the amount sold
075	Three quarters
050	Half
025	One quarter

S4_Q51. Approximately what share of your %rostertitle% production %STORE_TEXT2% was used for other purposes not specified here?

I * In %
E S4_Q44.Contains(88)
V1 `self.InRange(1,100)`
M1 Share of crop production that was used for other purposes should be > 0 and lower or equal to 100. Please check.
V2 `(S4_Q44.Length==1 && self==100) || S4_Q44.Length>1`
M2 Share of crop production must be 100% if only use selected at S4_Q44.
V3 `(S4_Q44.Length>1 && S4_Q44.Length==Count_S4_Q44 && self==100-(S4_Q45??0)-(S4_Q46??0)-(S4_Q48??0)-(S4_Q49??0)-(S4_Q50??0)) || S4_Q44.Length > Count_S4_Q44 || S4_Q44.Length==1`
M3 Sum of all use % must be equal to 100% when all use % have been informed.
V4 `(S4_Q44.Length>1 && S4_Q44.Length>Count_S4_Q44 && self<100-(S4_Q45??0)-(S4_Q46??0)-(S4_Q48??0)-(S4_Q49??0)-(S4_Q50??0)) || S4_Q44.Length==Count_S4_Q44 || S4_Q44.Length==1`
M4 Sum of all use % must be lower than 100% since other uses have not been informed.

NUMERIC: INTEGER   S4_Q51

SPECIAL VALUES

100	All of the amount used
075	Three quarters
050	Half
025	One quarter

SECTION 4: CROP PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024

CROP PROCESSING

S4_Q52. Did you produce any of the following rice products on farm using your own non-aromatic rice during 1 July 2023 through 30 June 2024? I * Please include only on-farm processing of own-produced commodities * Select all that apply * Enumerator to prompt for each process E `S4_PARCELHOMELOT.Any(x=>x.S4_Q02.ContainsAny(101))`	MULTI-SELECT: YES/NO 01 ☐/☐ Packaging: Using advanced packaging techniques to extend shelf life 02 ☐/☐ Rice Flour Production: Grinding rice into flour for various food products 03 ☐/☐ Rice Snacks: Producing snacks such as rice cakes or puffed rice 04 ☐/☐ Rice Wine: Production of alcoholic products using non-aromatic rice.	S4_Q52
S4_Q52a. Approximately what share of your non-aromatic rice production was used for these processes? I * In % E `S4_Q52.Yes.ContainsAny(1,2,3,4)` V1 `self.InRange(1,100)` M1 Processed products must be in the range of 1 to 100%. Please correct.	NUMERIC: INTEGER - . SPECIAL VALUES 100 All of the amount used 075 Three quarters 050 Half 025 One quarter	S4_Q52a
S4_Q53. Did you produce any of the following rice products on farm using your own aromatic rice during 1 July 2023 through 30 June 2024? I * Please include only on-farm processing of own-produced commodities * Select all that apply * Enumerator to prompt for each process E `S4_PARCELHOMELOT.Any(x=>x.S4_Q02.ContainsAny(102))`	MULTI-SELECT: YES/NO 01 ☐/☐ Packaging: Using advanced packaging techniques to extend shelf life 02 ☐/☐ Rice Flour Production: Grinding rice into flour for various food products 03 ☐/☐ Rice Snacks: Producing snacks such as rice cakes or puffed rice 04 ☐/☐ Rice Wine: Production of alcoholic products using aromatic rice.	S4_Q53
S4_Q53a. Approximately what share of your aromatic rice production was used for these processes? I * In % E `S4_Q53.Yes.ContainsAny(1,2,3,4)` V1 `self.InRange(1,100)` M1 Processed products must be in the range of 1 to 100%. Please correct.	NUMERIC: INTEGER - . SPECIAL VALUES 100 All of the amount used 075 Three quarters 050 Half 025 One quarter	S4_Q53a

S4_Q54. Did you produce any of the following maize products on farm using your own maize during 1 July 2023 through 30 June 2024?	MULTI-SELECT: YES/NO $\quad$ S4_Q54
I * Please include only on-farm processing of own-produced commodities * Select all that apply * Enumerator to prompt for each process E S4_PARCELHOMELOT.Any(x=>x.S4_Q02.ContainsAny(104,105))	01 ☐/☐ Dry Milling: Producing maize flour, meal, and grits 02 ☐/☐ Wet Milling: Extracting starch, gluten, and fiber 03 ☐/☐ Ethanol Production: Using maize to produce ethanol for biofuel 04 ☐/☐ Animal Feed: Processing maize into feed for livestock 05 ☐/☐ Snack Foods: Producing popcorn, corn chips, and tortillas 06 ☐/☐ Corn Syrup Production: Extracting sweeteners from maize
S4_Q54a. Approximately what share of your maize production was used for these processes?	NUMERIC: INTEGER $\quad$ S4_Q54a
I * In % E S4_Q53.Yes.ContainsAny(1,2,3,4,5,6) V1 self.InRange(1,100) M1 Processed products must be in the range of 1 to 100%. Please correct.	- SPECIAL VALUES 100 All of the amount used 075 Three quarters 050 Half 025 One quarter
S4_Q55. Did you produce any of the following cashew products on farm using your own cashew during 1 July 2023 through 30 June 2024?	MULTI-SELECT: YES/NO $\quad$ S4_Q55
I * Please include only on-farm processing of own-produced commodities * Select all that apply * Enumerator to prompt for each process E S4_PARCELHOMELOT.Any(x=>x.S4_Q02.ContainsAny(861))	01 ☐/☐ Shelling: Removing the hard outer shell 02 ☐/☐ Peeling: Removing the inner skin 03 ☐/☐ Roasting: Enhancing flavor through roasting 04 ☐/☐ Salting/Flavoring: Adding flavors or salt 05 ☐/☐ Cashew Butter: Grinding cashews into a paste 06 ☐/☐ Packaging: Using advanced packaging for preservation 07 ☐/☐ Cashew Nut Oil Extraction: Extracting oil from cashew nuts
S4_Q55a. Approximately what share of your cashew production was used for these processes?	NUMERIC: INTEGER $\quad$ S4_Q55a
I * In % E S4_Q55.Yes.ContainsAny(1,2,3,4,5,6,7) V1 self.InRange(1,100) M1 Processed products must be in the range of 1 to 100%. Please correct.	- SPECIAL VALUES 100 All of the amount used 075 Three quarters 050 Half 025 One quarter

S4_Q56. Did you produce any of the following c assava products on farm using your own cassa va during 1 July 2023 through 30 June 2024? I * Please include only on-farm processing of own-produced commoditi es * Select all that apply * Enumerator to prompt for each process E S4_PARCELHOMELOT.Any(x=>x.S4_Q02.ContainsAny(203))	MULTI-SELECT: YES/NO <div align=right>S4_Q56</div> 01 ☐/☐ Drying: Producing drie d cassava chips 02 ☐/☐ Milling: Grinding dried cassava into flour 03 ☐/☐ Starch Extraction: Extr acting starch for food and industrial use 04 ☐/☐ Fermentation: Produci ng cassava-based alco holic beverages 05 ☐/☐ Animal Feed: Processin g cassava for livestock feed 06 ☐/☐ Tapioca Production: M aking tapioca pearls a nd products
S4_Q56a. Approximately what share of your ca ssava production was used for these processe s? I * In % E S4_Q56.Yes.ContainsAny(1,2,3,4,5,6) V1 self.InRange(1,100) M1 Processed products must be in the range of 1 to 100%. Please correct.	NUMERIC: INTEGER <div align=right>S4_Q56a</div> -. SPECIAL VALUES 100 All of the amount used 075 Three quarters 050 Half 025 One quarter
S4_Q57. Did you produce any of the following r ubber products on farm using your own rubbe r during 1 July 2023 through 30 June 2024? I * Please include only on-farm processing of own-produced commoditi es * Select all that apply * Enumerator to prompt for each process E S4_PARCELHOMELOT.Any(x=>x.S4_Q02.ContainsAny(931))	MULTI-SELECT: YES/NO <div align=right>S4_Q57</div> 01 ☐/☐ Coagulation: Convertin g latex into solid rubbe r using acids 02 ☐/☐ Drying: Drying rubber sheets or blocks to re move moisture 03 ☐/☐ Vulcanization: Adding sulfur to rubber and h eating to increase stre ngth and elasticity 04 ☐/☐ Compounding: Mixing rubber with various ch emicals to achieve desi red properties 05 ☐/☐ Molding/Extrusion: Sh aping rubber into tires , tubes, and other com mercial products
S4_Q57a. Approximately what share of your ru bber production was used for these processes ? I * In % E S4_Q57.Yes.ContainsAny(1,2,3,4,5) V1 self.InRange(1,100) M1 Processed products must be in the range of 1 to 100%. Please correct.	NUMERIC: INTEGER <div align=right>S4_Q57a</div> -. SPECIAL VALUES 100 All of the amount used 075 Three quarters 050 Half 025 One quarter

S4_Q58. Did you produce any of the following sugarcane products on farm using your own sugarcane during 1 July 2023 through 30 June 2024? I * Please include only on-farm processing of own-produced commodities * Select all that apply * Enumerator to prompt for each process E S4_PARCELHOMELOT.Any(x=>x.S4_Q02.ContainsAny(441))	MULTI-SELECT: YES/NO S4_Q58 01 ☐/☐ Juice Production: Extracting juice from sugarcane stalks 02 ☐/☐ Clarification: Removing impurities from sugarcane juice 03 ☐/☐ Evaporation: Concentrating the juice to form syrup 04 ☐/☐ Crystallization: Producing sugar crystals from syrup 05 ☐/☐ Refining: Purifying raw sugar into white sugar 06 ☐/☐ Molasses Production: Extracting molasses as a by-product
S4_Q58a. Approximately what share of your sugarcane production was used for these processes? I * In % E S4_Q58.Yes.ContainsAny(1,2,3,4,5,6) V1 self.InRange(1,100) M1 Processed products must be in the range of 1 to 100%. Please correct.	NUMERIC: INTEGER S4_Q58a - SPECIAL VALUES 100 All of the amount used 075 Three quarters 050 Half 025 One quarter
S4_Q59. Did you produce any of the following blackpepper products on farm using your own blackpepper during 1 July 2023 through 30 June 2024? I * Please include only on-farm processing of own-produced commodities * Select all that apply * Enumerator to prompt for each process E S4_PARCELHOMELOT.Any(x=>x.S4_Q02.ContainsAny(921))	MULTI-SELECT: YES/NO S4_Q59 01 ☐/☐ Drying: Drying the pepper berries to reduce moisture content 02 ☐/☐ Cleaning: Removing dirt and debris from dried pepper berries 03 ☐/☐ Grinding: Crushing dried peppercorns into pepper powder 04 ☐/☐ Blending: Mixing different varieties or grades of pepper 05 ☐/☐ Packaging: Packaging pepper in various formats for commercial sale (whole, cracked, ground)
S4_Q59a. Approximately what share of your blackpepper production was used for these processes? I * In % E S4_Q59.Yes.ContainsAny(1,2,3,4,5) V1 self.InRange(1,100) M1 Processed products must be in the range of 1 to 100%. Please correct.	NUMERIC: INTEGER S4_Q59a - SPECIAL VALUES 100 All of the amount used 075 Three quarters 050 Half 025 One quarter

S4_Q60. Did you produce any of the following mango products on farm using your own mango during 1 July 2023 through 30 June 2024? I * Please include only on-farm processing of own-produced commodities * Select all that apply * Enumerator to prompt for each process E S4_PARCELHOMELOT.Any(x=>x.S4_Q02.ContainsAny(816))	MULTI-SELECT: YES/NO S4_Q60 01 ☐/☐ Drying: Producing dried mango slices 02 ☐/☐ Juice Production: Extracting juice and producing concentrates 03 ☐/☐ Canning: Preserving mango in cans 04 ☐/☐ Pureeing: Making mango puree for various uses 05 ☐/☐ Jam and Preserves: Producing mango jam and preserves 06 ☐/☐ Freeze-Drying: Preserving mango through freeze-drying
S4_Q60a. Approximately what share of your mango production was used for these processes? I * In % E S4_Q60.Yes.ContainsAny(1,2,3,4,5,6) V1 self.InRange(1,100) M1 Processed products must be in the range of 1 to 100%. Please correct.	NUMERIC: INTEGER S4_Q60a - SPECIAL VALUES 100 All of the amount used 075 Three quarters 050 Half 025 One quarter
S4_Q61. Did you produce any of the following banana products on farm using your own banana during 1 July 2023 through 30 June 2024? I * Please include only on-farm processing of own-produced commodities * Select all that apply * Enumerator to prompt for each process E S4_PARCELHOMELOT.Any(x=>x.S4_Q02.ContainsAny(811))	MULTI-SELECT: YES/NO S4_Q61 01 ☐/☐ Drying: Producing dried banana chips 02 ☐/☐ Juice Production: Extracting and bottling banana juice 03 ☐/☐ Pureeing: Making banana puree 04 ☐/☐ Flour Production: Grinding dried bananas into flour 05 ☐/☐ Canning: Preserving banana products in cans
S4_Q61a. Approximately what share of your banana production was used for these processes? I * In % E S4_Q61.Yes.ContainsAny(1,2,3,4,5) V1 self.InRange(1,100) M1 Processed products must be in the range of 1 to 100%. Please correct.	NUMERIC: INTEGER S4_Q61a - SPECIAL VALUES 100 All of the amount used 075 Three quarters 050 Half 025 One quarter

S4_Q62. Did you produce any of the following coconut products on farm using your own coconut during 1 July 2023 through 30 June 2024?

I * Please include only on-farm processing of own-produced commodities * Select all that apply * Enumerator to prompt for each process
E S4_PARCELHOMELOT.Any(x=>x.S4_Q02.ContainsAny(911))

MULTI-SELECT: YES/NO   S4_Q62

01 ☐/☐ Dried Shredded Coconut: Producing dried and shredded coconut
02 ☐/☐ Oil Extraction: Extracting coconut oil
03 ☐/☐ Milk and Cream Production: Extracting coconut milk and cream
04 ☐/☐ Coconut Fiber Processing: Producing fibre from coconut husks
05 ☐/☐ Coconut Sugar: Producing sugar from coconut sap

S4_Q62a. Approximately what share of your coconut production was used for these processes?

I * In %
E S4_Q62.Yes.ContainsAny(1,2,3,4,5)
V1 self.InRange(1,100)
M1 Processed products must be in the range of 1 to 100%. Please correct.

NUMERIC: INTEGER   S4_Q62a

- -

SPECIAL VALUES

100   All of the amount used
075   Three quarters
050   Half
025   One quarter

S4_Q63. Did you produce any of the following pineapple products on farm using your own pineaple during 1 July 2023 through 30 June 2024?

I * Please include only on-farm processing of own-produced commodities * Select all that apply * Enumerator to prompt for each process
E S4_PARCELHOMELOT.Any(x=>x.S4_Q02.ContainsAny(818))

MULTI-SELECT: YES/NO   S4_Q63

01 ☐/☐ Canning: Preserving pineapple slices or chunks in cans with syrup or juice
02 ☐/☐ Juice Extraction: Extracting and bottling pineapple juice
03 ☐/☐ Drying: Producing dried pineapple slices
04 ☐/☐ Jam Production: Making pineapple jam and preserves
05 ☐/☐ Freeze-Drying: Preserving pineapple by removing moisture in a vacuum

---

S4_Q63a. Approximately what share of your pineapple production was used for these processes?

I * In %
E S4_Q63.Yes.ContainsAny(1,2,3,4,5)
V1 self.InRange(1,100)
M1 Processed products must be in the range of 1 to 100%. Please correct.

NUMERIC: INTEGER   S4_Q63a

- -

SPECIAL VALUES

100   All of the amount used
075   Three quarters
050   Half
025   One quarter

SECTION 5: SEEDS,AGRICULTURAL PRACTICES AND INPUTS

SECTION5_SEEDS_AGRICULTURAL_Prac

E   ELIGIBLE==1 && S1_Q07==1

SECTION 5: SEEDS,AGRICULTURAL PRACTICES AND INPUTS

Roster: CROPS SEEDS ROSTER - %ROSTERTITLE%
generated by fixed list

S5_CROPSEED

101	Non-aromatic paddy
102	Aromatic paddy
103	Sticky paddy
105	Maize (white/Yellow/Violet corn)
203	Cassava
302	Mungbean
402	Soybean
403	Sesame
441	Sugarcane
522	Cucumber
811	Banana
801	Oranges
804	Lime/lemon
816	Mango
812	Custard apple
818	Pineapple
861	Cashew
911	Coconut
921	Black pepper
931	Rubber
104	Maize (young corn)
106	Sorghum
107	Other cereal harvested for grain
201	Potato
202	Sweet potato
204	Taro/Trao
205	Arrowroot
206	Yam Potato
207	Tiger's claw
208	Tuberous potato
209	Wangled yam
210	Other tubers, root and bulk crops
301	Cowpea
303	Scybean/Red kidney bean
304	Pigeon pea
305	Lablab/Hyacinth bean
306	Other leguminous plants
401	Ground nut (peanut)

404 Castor bean

405 Sunflower

406 Cottonseed

407 Other oilseed crops

421 Caraway

422 Mint

423 Coriander

424 Sweet basil

425 Betel leaf

426 Lemon grass

427 Turmeric

428 Chive

429 Parsley

430 Other spices

442 Tobacco strong

443 Tobacco light

444 Other industrial crops

451 Cotton

452 Jute

453 Kapok

454 Nettle plant

455 Other fiber crops

501 Trakun/Water convolvulus

502 Cabbage

503 Lettuce

504 Leek

505 Green garlic

506 Scallion (spring onion)

507 Celery

509 Water lily

510 Spinach

511 Watercress

512 Chinese kale

513 Clover

514 Amaranth

515 Pig weed

516 Other leafy or stem vegetables

521 Chili

523 Muskmelon

524 Eggplant

525 Common Asiatic wood

526 Gourd

527 Pumpkin

528 Green gourd

529 Sweet pepper/ Capsicum/Bell pepper

530 Tomato

531 Bitter melon

532 Watermelon

533 Wing bean

534 Bhendii

535 Snake gourd

536 Ivy gourd

537 Squash/Winter squash

538 Other fruit-bearing vegetables

541 Carrot

542 Sugar beet

543 Radish

544 Turnip

545 Shallot

546 Onion

547 Garlic, white

548 Ginger

549 Other root, bulb and tuberous vegetables

561 Peas/Snow Peas

562 Yard long bean

563 Other leguminous green vegetables

571 Cauliflower

572 Broccoli

573 Water hyacinth flower

574 Asparagus

575 Bamboo shoot

576 Banana flower bud

577 Other vegetables

601 Mushroom

602 Other horticultural crops

701 Fodder Crops

802 Tangerines

803 Grapefruit and pomelo

805 Kafir lime

806 Other citrus fruits

813 Soursop

814 Guava

815 Longan

817 Papaya

819 Wood apple

820 Jackfruit

821 Jampadak Breadfruit

822 Pomegranate

823 Sapodilla/Chico

824 Rambutan

825 Mangosteen

826 Rambeh

827 Manila tamarind

828 Durian

829 Milk fruit

830 Lotus fruit

831 Rose apple

832 Marian plum

833 Hog plum

834 Jambolen plum

835 Persimmon/Lekima fruit

836 Grape

837 Jujube

838 Lychee or Litchi

839 Star fruit

840 Dragon Fruit

841 Bilimbi Fruit

842 Passion Fruit

843 Sour apple/Cotton fruit/ Sandorica

844 Small bell

845 Malabar Orange

847 Date

848 Noni/Morinda

849 Avocado

850 Other cultivated fruit

862 Betel nuts

863 Lotus nuts

864 Other edible nuts

901 Coffee

902 Tea

903 Cacao

904 Other beverage crops

912 Oil Palm

913 Palm

914 Other oil crops

922 Krasang

924 Tamarind

925 Other spices and aromatic crops

932 Other rubber and tanning crops

941 Rose

942 Jasmine

943 Tuberose

944 Orchid

945 Lotus flower

946 Frangipani

947 Plumeria

948 Anthurium

949 Daisy

950 Chrysanthemum

951 Other flowers

961 Bougainvilea

962   Heliconia

963   Ginger plant

964   Lucky bamboo plant

965   Other ornamental plant

971   Bamboo

972   Eucalyptus trees

973   Sandalwood

974   Timber wood trees

975   Other non-food permanent crops

997   Other crops not classified elsewhere

E   S4_PARCELHOMELOT.Any(x=>x.S4_CROP.Any(x=>x.S4_Q02.Contains(@rowcode))) && $askcrop

---

SECTION 5: SEEDS,AGRICULTURAL PRACTICES AND INPUTS / CROPS SEEDS ROSTER - %ROSTERTITLE%

PART 1 - SEEDS ACQUISITION

S5_Q01. How many varieties of %rostertitle% did you grow during 1 July 2023 through 30 June 2024? V1 self.InRange(1,5) M1 Must be higher than 0 and can not use varieties more than 5.	NUMERIC: INTEGER S5_Q01 `-------------------------------.`

VARIABLE // Permanent crops or sugarcane ($permcrop || @rowcode== 441) ? "គ្រាប់ពូជផ្លែ/ការកាត់/វក្ខជាតិ/ដើមលើ" : "ពូជ"	STRING SEEDTEXT

S5_Q02. Were the %rostertitle% seeds varieties you used during 1 July 2023 through 30 June 2024 a modern variety, certified seeds, modern variety but uncertified seeds, or traditional variety, uncertified seeds? I * Select one that apply E @rowcode.InList(101, 102, 103, 105, 302, 402, 527)	MULTI-SELECT S5_Q02 01 ☐ Modern varieties, certified seeds 02 ☐ Modern varieties, uncertified seeds 03 ☐ Traditional varieties

S5_Q03. Were the certified seeds of %rostertitle% genetically modified? E S5_Q02.Contains(1)	SINGLE-SELECT S5_Q03 01 ○ Yes 00 ○ No -99 ○ Don't know

S5_Q04. What was the average length of the growing period for the %rostertitle% varieties you used? I * In days E @rowcode.InList(101, 102, 103) V1 self.InRange(90,217) M1 This value does not seem reasonable. Please check.	NUMERIC: INTEGER S5_Q04 `-------------------------------.`

S5_Q05. What are the reasons why you chose to grow these %rostertitle% varieties?

I * Select all that apply

MULTI-SELECT   S5_Q05

- 01 ☐ High yielding
- 02 ☐ Early maturity
- 03 ☐ Drought resistant
- 04 ☐ Insect/pest resistant
- 05 ☐ Disease resistant
- 06 ☐ Weed resistant
- 07 ☐ Lodging resistant
- 08 ☐ Tolerant to acid soils
- 09 ☐ No or minimal use of fertilizers
- 10 ☐ Possibility of saving seeds
- 11 ☐ Seeds easily available
- 12 ☐ Seeds affordable
- 13 ☐ Good taste
- 14 ☐ Good cooking qualities
- 15 ☐ Good nutritional qualities
- 16 ☐ High market demand

S5_Q06. How were the %SEEDTEXT% obtained for %rostertitle%?

I * Select all that apply

MULTI-SELECT   S5_Q06

- 01 ☐ From own harvest/produced on the holding
- 02 ☐ Exchanged
- 03 ☐ Purchased
- 04 ☐ Received for free (gift or donation)
- 88 ☐ Other

S5_Q07. Who/which firm/institution were the sources of %rostertitle% %SEEDTEXT% during 1 July 2023 through 30 June 2024?

I * Select all that apply
E S5_Q06.ContainsAny(2,3,4,88)

MULTI-SELECT   S5_Q07

- 01 ☐ Another farmer
- 02 ☐ Agricultural trader
- 03 ☐ Input dealer
- 04 ☐ Local market
- 05 ☐ Cooperative
- 06 ☐ Extension service
- 07 ☐ NGO
- 08 ☐ Research institute
- 09 ☐ Seed company
- 88 ☐ Other

S5_Q08. What was the total quantity of %rostertitle% %SEEDTEXT% planted during 1 July 2023 through 30 June 2024?

I * For permanent crops, if not planted during the reference period, please enter 0.
V1 self>=0
M1 Must be higher or equal to 0.

NUMERIC: DECIMAL   S5_Q08

- .

S5_Q08_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.	SINGLE-SELECT	S5_Q08_unit

F @optioncode.InList(1,2,3) || (@optioncode==4 & $permcrop)
E IsAnswered(S5_Q08) && S5_Q08>0

01 ○ Grammes
02 ○ Kilograms
03 ○ Tons
04 ○ Seedlings/cuttings/plants/trees

SECTION 5: SEEDS,AGRICULTURAL PRACTICES AND INPUTS
PART 2 - INPUTS

SECTION 5: SEEDS,AGRICULTURAL PRACTICES AND INPUTS / PART 2 - INPUTS
Roster: INPUTS USE AND ACQUISITION - %ROSTERTITLE%
generated by fixed list

S5_INPUTS

- 01 Solid manure
- 02 Liquid manure/slurry
- 03 Vegetal material or compost
- 04 Stabilized sewage sludge
- 05 Biostimulant
- 88 Other organic fertilizer
- 06 Urea
- 07 Other nitrogenous fertilizer
- 08 Superphosphates (>35% of P2O5)
- 09 Other phosphatic fertilizer
- 10 Potassium chlorine (MOP)
- 11 Other potassic fertilizer
- 12 NPK
- 13 Diammonium phosphate (DAP)
- 89 Other inorganic fertilizer
- 14 Insecticides
- 15 Herbicides (solid)
- 16 Herbicides (liquid)
- 17 Fungicides or bactericides
- 18 Rodenticides
- 19 Molluscicides
- 90 Other pesticide

E //Filter the answer codes based on answers given in previous sections S4_PARCELHOMELOT.Any(x=>x.S4_CROP.Any(y=>y.S4_Q05.ContainsAny(@rowcode) || y.S4_Q06.ContainsAny(@rowcode) || y.S4_Q08.ContainsAny And 12 other symbols [3]

S5_Q09. What was the total quantity of %roster title% used by your holding during 1 July 2023 through 30 June 2024?	NUMERIC: DECIMAL	S5_Q09

- .

I * Please report the non-diluted quantity
V1 self>0
M1 Must be higher than 0.

S5_Q09_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent. E IsAnswered(S5_Q09) && S5_Q09>0	SINGLE-SELECT S5_Q09_unit 01 ○ Gram 02 ○ Kilogram 03 ○ Milliliter 04 ○ Liter
S5_Q10. What percentage of %rostertitle% used was applied to temporary crops during 1 July 2023 through 30 June 2024? I * In % E // If any temporary crops grown and inputs used (@rowcode.InList(1,2,3,4,5,88) && (S4_PARCELHOMELOT.Any(x=>x.TEMPCROP==1 && x.S4_CROP.Any(y=>y.IsAnswered(y.S4_Q05))))) || (@rowcode.InList(6,7,8,9, And 226 other symbols [1] V1 self>0 && self<=100 M1 Input uses must be higher than 0 and lower or equal to 100%.	NUMERIC: INTEGER S5_Q10 - . SPECIAL VALUES 100 All of the amount used 075 Three quarters 050 Half 025 One quarter
S5_Q11. What percentage of %rostertitle% used was applied to permanent crops during 1 July 2023 through 30 June 2024? I * In % E // If any permanenet crops grown and inputs used ((@rowcode.InList(1,2,3,4,5,88) && (S4_PARCELHOMELOT.Any(x=>x.PERMCROP==1 && x.S4_CROP.Any(y=>IsAnswered(y.S4_Q05))))) || (@rowcode.InList(6,7,8,9,10 And 249 other symbols [2] V1 self>0 && self<=100 M1 Input uses must be higher than 0 and lower or equal to 100%.	NUMERIC: INTEGER S5_Q11 - . SPECIAL VALUES 100 All of the amount used 075 Three quarters 050 Half 025 One quarter
STATIC TEXT E (S5_Q10 ?? 0) + (S5_Q11 ?? 0) > 100 V1 (S5_Q10 ?? 0) + (S5_Q11 ?? 0) <= 100 M1 Sum of input uses should be lower or equal to 100%. Please correct. *ERROR MESSAGE:*	
S5_Q12. Did your holding purchase any of the %rostertitle% that was used during 1 July 2023 through 30 June 2024?	SINGLE-SELECT S5_Q12 01 ○ Yes 00 ○ No
S5_Q13. What was the percentage of all %rostertitle% used that your holding purchased during 1 July 2023 through 30 June 2024? I * In % E S5_Q12==1 V1 self.InRange(0,100) M1 Comprised between 0 and 100.	NUMERIC: INTEGER S5_Q13 - . SPECIAL VALUES 100 All of the amount used 075 Three quarters 050 Half 025 One quarter
S5_Q14. Who/which firm/institution was the source of %rostertitle% that you purchased during 1 July 2023 through 30 June 2024? I * Select all that apply E S5_Q12==1	MULTI-SELECT S5_Q14 01 ☐ Local merchant/grocery 02 ☐ Government agency 03 ☐ Farmer association 04 ☐ Contractor 88 ☐ Other

SECTION 6: NON-RESIDENTIAL BUILDINGS OR STRUCTURES USED FOR CROPS

E `ELIGIBLE==1 && S1_Q07==1`

S6_Q01. Did the holding use any non-residential building or structure for crop storage during 1 July 2023 through 30 June 2024?	SINGLE-SELECT S6_Q01 01 ○ Yes 00 ○ No
S6_Q02. If yes, how many were they ? I * Please report the number used E `S6_Q01==1`	NUMERIC: INTEGER S6_Q02 - .
S6_Q03. Which of the following crops did the holding store in any building or structure during 1 July 2023 through 30 June 2024? I * Please select as many as apply F `(@optioncode.InList(1,4) && $Grain) || (@optioncode.InList(2,4) && $Root) || (@optioncode.InList(3,4) && $FruitVeg) || (@optioncode==88 && $Other)` E `S6_Q01==1`	MULTI-SELECT S6_Q03 01 ☐ Grain crops (cereals and pulses) 02 ☐ Root crops 03 ☐ Fruit and other vegetables 04 ☐ Mixed use (Grain crops, Root crops, Fruits and other vegetables) 88 ☐ Other
S6_Q04. Identify the [CROP] stored in the building or structures I * Please select as many as apply, respondend should select 2 or 3 codes E `S6_Q03.Contains(4)` V1 `self.Length>1` M1 Should select more than 1 code, otherwise revise S6_Q03.	MULTI-SELECT S6_Q04 01 ☐ Grains crops (cerels and pulses) 02 ☐ Root crops 03 ☐ Fruits and vegetables

SECTION 6: NON-RESIDENTIAL BUILDINGS OR STRUCTURES USED FOR CROPS
Roster: %ROSTERTITLE%
generated by multi-select question S6_Q03   S6_Cropstored

S6_Q05. What is the storage capacity of the buildings or structures used to store %rostertitle%? I * Please report the quantity	NUMERIC: INTEGER S6_Q05 - .
S6_Q05_Unit. What is the unit of measurement for the quantity of %rostertitle%? E `IsAnswered(S6_Q05)`	SINGLE-SELECT S6_Q05_Unit 01 ○ Kilograms 02 ○ Tonnes
S6_Q06. What is the tenure of the buildings or structures used to store %rostertitle%? I * Please select as many as apply	MULTI-SELECT S6_Q06 01 ☐ Owned 02 ☐ Rented 88 ☐ Used under another arrangement (Specify)

S6_Q06_OTH. Other (Specify).	TEXT	S6_Q06_OTH

E `S6_Q06.Contains(88)`

....

S6_Q07. Identify the types of storage for cereals and pulses crops

I * Please select as many as apply
E `S6_Q03.Contains(1) || S6_Q04.Contains(1)`

MULTI-SELECT   S6_Q07

- 01 ☐ Silos
- 02 ☐ Granaries
- 03 ☐ Pots
- 04 ☐ Cribs or barns
- 05 ☐ Room storage
- 06 ☐ Piled on the ground
- 88 ☐ Other (specify)

S6_Q07_OTH. Other (Specify).

E `S6_Q07.Contains(88)`

TEXT   S6_Q07_OTH

....

S6_Q08. In addition to the buildings for crops that you just listed, did the holding own and not use any other non-residential building or structures for crop storage during 1 July 2023 through 30 June 2024?

E `S6_Q01==1`

SINGLE-SELECT   S6_Q08

- 01 ◯ Yes
- 00 ◯ No

S6_Q09. If yes, how many were there?

I * Please report the number owned and not-used
E `S6_Q08==1`

NUMERIC: INTEGER   S6_Q09

– –

S6_Q10. Which of the following crop-related and crop processing activites were buildings or structures used for on the holding during 1 July 2023 through 30 June 2024?

I * Please select as many as apply
V1 `self.ContainsOnly(0) || (!self.ContainsAny(0) && self.Length>=1)`
M1 Cannot selected "None of the above" with any other codes.

MULTI-SELECT   S6_Q10

- 01 ☐ Processing of crops (preparation for market, etc.)
- 02 ☐ Storing plant protection products
- 03 ☐ Storing fertilizers
- 04 ☐ Storing crop-related machinery and equipment
- 88 ☐ Other
- 00 ☐ None of the above

SECTION 6: NON-RESIDENTIAL BUILDINGS OR STRUCTURES USED FOR CROPS
Roster: %ROSTERTITLE%
generated by multi-select question S6_Q10   S6_stored_process

E `IsAnswered(S6_Q10) && !S6_Q10.ContainsAny(0)`

S6_Q11. What is the tenure of the buildings or structures used for %rostertitle% and crop processing activity?

I * Please select as many as apply

MULTI-SELECT   S6_Q11

- 01 ☐ Owned
- 02 ☐ Rented
- 88 ☐ Used under another arrangement (Specify)

S6_Q11_OTH. Other (Specify).

E S6_Q11.Contains(88)

TEXT

S6_Q11_OTH

....

SECTION 7: LIVESTOCK PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024

E `ELIGIBLE==1 && S1_Q08==1`

STATIC TEXT

This section of the questionnaire is about livestock and poultry on the holding. Report for all animals on the holding. Regardless of ownership, including those that are boarded (animals in pension), owned by another member of the household, custom-fed or fed under contract.

S7_Q01. During 1 July 2023 through 30 June 2024, what type of animals were raised on the holding? I * Select all that apply	MULTI-SELECT · S7_Q01 01 ☐ Livestock 02 ☐ Poultry 03 ☐ Insects
S7_Q02. What types of livestock were raised on the holding during 1 July 2023 through 30 June 2024? I * Select all that apply * Excludes cattle raised for cattle judging E `S7_Q01.Contains(1)`	MULTI-SELECT · S7_Q02 101 ☐ Cattle 102 ☐ Buffalo 103 ☐ Horses 104 ☐ Pig 105 ☐ Goat
S7_Q03. What types of poultry were raised on the holding during 1 July 2023 through 30 June 2024? I * Select all that apply * Excludes fighting chickens E `S7_Q01.Contains(2)`	MULTI-SELECT · S7_Q03 201 ☐ Chickens 203 ☐ Ducks 205 ☐ Quail 206 ☐ Swallow 207 ☐ Turkeys 208 ☐ Geese

SECTION 7: LIVESTOCK PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024
Roster: ROSTER: LIVESTOCK - %ROSTERTITLE%
generated by multi-select question S7_Q02

S7_LIVESTOCK

E `// Only for cattle, buffaloes and pigs @rowcode.InList(101,102,104)`

SECTION 7: LIVESTOCK PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024 / ROSTER: LIVESTOCK - %ROSTERTITLE%
PART 1: INVENTORY

S7_Q04. Does the holding have a production and/or marketing contract for %rostertitle% being raised?	SINGLE-SELECT · S7_Q04 01 ◯ Yes 00 ◯ No
S7_Q05. Does the contract cover 100% of the %rostertitle% grown by the holding (exclusive contract)? E `S7_Q04==1`	SINGLE-SELECT · S7_Q05 01 ◯ Yes 00 ◯ No

S7_Q06. What is the holding's main reason for owning/keeping %rostertitle% during 1 July 2023 through 30 June 2024? F `@optioncode.InList(1,2,3,4,5,6,8,88) || (@optioncode==7 && @rowcode.InList(101,102))`	SINGLE-SELECT S7_Q06 01 ○ Live sale 02 ○ Livestock product sale 03 ○ Food for the family 04 ○ Savings and insurance 05 ○ Social status/prestige 06 ○ Crop agriculture (manure, draught power) 07 ○ Transport 08 ○ Breeding 88 ○ Other
VARIABLE `@rowcode.InList(101,102) ? 2 : 1`	DOUBLE LIVESTOCKAGE
S7_Q07. As of 1st July 2024, how many %rostertitle% did the holding have in total? V1 `Holding_TYPE==1 && self.InRange(0,Animals_in_HH[@rowcode].maxnumHH) || Holding_TYPE==2 && self.InRange(0,Animals_in_JH[@rowcode].maxnumJH)` M1 The number of livestock on the farm seems unlikely. If confirmed, please insert comments.	NUMERIC: INTEGER S7_Q07 - .
S7_Q08. As of 1st July 2024, how many male %rostertitle% of less than %LIVESTOCKAGE% years old did the holding have? E `S7_Q07>0 && Holding_TYPE==1` V1 `self.InRange(0,S7_Q07)` M1 Must be higher or equal to 0 and lower or equal to S7_Q07.	NUMERIC: INTEGER S7_Q08 - .
S7_Q09. As of 1st July 2024, how many female %rostertitle% of less than %LIVESTOCKAGE% years old did the holding have? E `S7_Q07>0 && Holding_TYPE==1` V1 `self.InRange(0,S7_Q07 - S7_Q08)` M1 Must be higher or equal to 0 and lower or equal to S7_Q07.	NUMERIC: INTEGER S7_Q09 - .
S7_Q10. As of 1st July 2024, how many male %rostertitle% older than %LIVESTOCKAGE% years old did the holding have? E `S7_Q07>0 && Holding_TYPE==1` V1 `self.InRange(0,S7_Q07 - S7_Q08 - S7_Q09)` M1 Must be higher or equal to 0 and lower or equal to S7_Q07.	NUMERIC: INTEGER S7_Q10 - .
S7_Q11. As of 1st July 2024, how many female %rostertitle% older than %LIVESTOCKAGE% years old did the holding have? E `S7_Q07>0 && Holding_TYPE==1` V1 `self + S7_Q08 + S7_Q09 + S7_Q10 == S7_Q07` M1 The sum of S7_Q08, S7_Q09, S7_Q10 and S7_Q11 must be equal to S7_Q07. Please check.	NUMERIC: INTEGER S7_Q11 - .

STATIC TEXT

As of 1st July 2024, this holding had a total of %S7_Q07% %rostertitle%.

STATIC TEXT

Please answer the following questions about the changes in %rostertitle% numbers from 1 July 2023 to 30 June 2024.

S7_Q12. How many %rostertitle% births did the holding have?	NUMERIC: INTEGER S7_Q12
V1 `Holding_TYPE==1 && self.InRange(0,Animals_in_HH[@rowcode].birthHH) || Holding_TYPE==2 && self.InRange(0,Animals_in_JH[@rowcode].birthJH)`	-------------------------------
	SPECIAL VALUES
M1 The number of births seems to be out of the expected range. Please confirm.	00 None

S7_Q13. How many %rostertitle% were bought alive?	NUMERIC: INTEGER S7_Q13
V1 `Holding_TYPE==1 && self.InRange(0,Animals_in_HH[@rowcode].boughtHH) || Holding_TYPE==2 && self.InRange(0,Animals_in_JH[@rowcode].boughtJH)`	-------------------------------
	SPECIAL VALUES
M1 The number of animals bought alive seems to be out of the expected range. Please confirm	00 None

S7_Q14. What was the price per %rostertitle% head on your last purchase?	NUMERIC: INTEGER S7_Q14
I * In riels * If several animals purchased last time, average price per head	-------------------------------
E `IsAnswered(S7_Q13) && S7_Q13>0`	
V1 `self.InRange(Animals_in_HH[@rowcode].minkhr,Animals_in_HH[@rowcode].maxkhr)`	
M1 Unit price of %self% riels per head seems to be out of the expected range. Please confirm.	

S7_Q15. How many %rostertitle% were received, including under the form of exchange?	NUMERIC: INTEGER S7_Q15
V1 `Holding_TYPE==1 && self.InRange(0,Animals_in_HH[@rowcode].receivedHH) || Holding_TYPE==2 && self.InRange(0,Animals_in_JH[@rowcode].receivedJH)`	-------------------------------
	SPECIAL VALUES
M1 The number of animals received seems to be out of the expected range. Please confirm.	00 None

S7_Q16. How many %rostertitle% died from natural cause, from illness, etc.?	NUMERIC: INTEGER S7_Q16
V1 `Holding_TYPE==1&&self.InRange(0,Animals_out_HH[@rowcode].deathHH) || Holding_TYPE==2&&self.InRange(0,Animals_out_JH[@rowcode].deathJH)`	-------------------------------
	SPECIAL VALUES
M1 The number of animals that died seems to be out of the expected range. Please confirm.	00 None

S7_Q17. How many %rostertitle% were sold alive?	NUMERIC: INTEGER S7_Q17
V1 `Holding_TYPE==1 && self.InRange(0,Animals_out_HH[@rowcode].soldHH) || Holding_TYPE==2 && self.InRange(0,Animals_out_JH[@rowcode].soldJH)`	-------------------------------
	SPECIAL VALUES
M1 The number of animals that were sold seems to be out of the expected range. Please confirm.	00 None

S7_Q18. What was the price per %rostertitle% head on your last sale?	NUMERIC: INTEGER S7_Q18
I * In riels * If several animals purchased last time, average price per head	-------------------------------
E `IsAnswered(S7_Q17) && S7_Q17>0`	
V1 `self.InRange(Animals_in_HH[@rowcode].minkhr,Animals_in_HH[@rowcode].maxkhr)`	
M1 Unit price of %self% riels per head seems to be out of the expected range. Please confirm.	

S7_Q19. How many %rostertitle% got stolen?

V1 `self.InRange(0,Animals_out_HH[@rowcode].stolenHH)`

M1 The number of animals stolen seems to be out of the expected range. Please confirm.

NUMERIC: INTEGER   S7_Q19

- -

SPECIAL VALUES

00   None

S7_Q20. How many %rostertitle% did you give a way as gift, donation, etc.?

V1 `self.InRange(0,Animals_out_HH[@rowcode].giftHH)`

M1 The number of animals given away seems to be out of the expected range. Please confirm.

NUMERIC: INTEGER   S7_Q20

- -

SPECIAL VALUES

00   None

S7_Q21. How many %rostertitle% were slaught ered for consumption or for sale as meat?

V1 `self.InRange(0,Animals_out_HH[@rowcode].giftHH)`

M1 The number of animals slaugthered seems to be out of the expected range. Please confirm.

NUMERIC: INTEGER   S7_Q21

- -

SPECIAL VALUES

00   None

STATIC TEXT

E `S7_Q07==0 && (S7_Q16 + S7_Q17 + S7_Q19 + S7_Q20 + S7_Q21)==0`

V1 `S7_Q07==0 && (S7_Q16 + S7_Q17 + S7_Q19 + S7_Q20 + S7_Q21)!=0`

M1 If there was no %rostertitle% on the holding on 1st July 2024 but the holding reported raising %roster title% on the reference period, then it means that the holding sold, gave away, slaughtered or lost his %rostertitle% > before the 1st of July 2024. Please review S7_Q16 , S7_Q17 , S7_Q19 , S7_Q20 and S7_Q21 accordingly.

Error Message:

S7_Q22. What was the average weight of the %rostertitle% before they were slaughtered?

I `* In kg`

E `IsAnswered(S7_Q21) && S7_Q21>0`

V1 `@rowcode.InList(101,102) && self.InRange(30,Animals_out_HH[@rowcode].weight) || @rowcode==104 && self.InRange(5, Animals_out_HH[@rowcode].weight)`

M1 Weight out of the expected range, please confirm.

NUMERIC: INTEGER   S7_Q22

- -

S7_Q23. How many of these %S7_Q21% slaught ered %rostertitle% were consumed by the hou sehold?

E `IsAnswered(S7_Q21) && S7_Q21>0 && Holding_TYPE==1`

V1 `self.InRange(0,S7_Q21)`

M1 Must be comprised between 0 and %S7_Q21%.

NUMERIC: INTEGER   S7_Q23

- -

SPECIAL VALUES

00   None

S7_Q24. Has this holding sold some of the slau ghtered %rostertitle% or their meat?

E `(Holding_TYPE==2 && IsAnswered(S7_Q21) && S7_Q21>0) || S 7_Q23<S7_Q21`

V1 `(self==1 && (S7_Q23<S7_Q21 || Holding_TYPE==2)) || (self ==0 && S7_Q23==S7_Q21)`

M1 Please check consistency with S7_Q23 and S7_Q21.

SINGLE-SELECT   S7_Q24

01   ◯ Yes

00   ◯ No

S7_Q25. How many slaughtered %rostertitle% were sold by the holding?

E `S7_Q24==1`

V1 `(S7_Q23 ?? 0) + self == S7_Q21`

M1 The sum of self-consumed and sold livestock must be equal to %S7_Q2 1%, please correct.

NUMERIC: INTEGER   S7_Q25

- -

S7_Q26. What were the total revenues from the se sales? I * In riels E `S7_Q24==1` V1 `self.InRange(100,S7_Q25*Animals_out_HH[@rowcode].slaught` `erKHR)` M1 Revenue out of the expected range, please confirm.	NUMERIC: INTEGER S7_Q26 `- - - - - - - - - - - - - - - - - - - - - - - - - - -.`
S7_Q27. Did the holding store any meat from t he %rostertitle% slaughtered during 1 July 2023 to 30 June 2024? E `IsAnswered(S7_Q21) && S7_Q21>0`	SINGLE-SELECT S7_Q27 01 ○ Yes 00 ○ No
S7_Q28. What is the main purposes for stockin g %rostertitle%'s meat? E `S7_Q27==1`	SINGLE-SELECT S7_Q28 01 ○ Food for the household 02 ○ For selling 03 ○ Render payment in-kind
S7_Q29. What practices were used by this holdi ng to feed the livestock during 1 July 2023 thro ugh 30 June 2024?	SINGLE-SELECT S7_Q29 01 ○ Only grazing, including scav enging 02 ○ Mainly grazing, including sc avenging, with some feedin g 03 ○ Mainly feeding, with some g razing, including scavenging 04 ○ Only feeding (no grazing or scavenging)
S7_Q30. What types of feed were used by this h olding to feed the livestock during 1 July 2023 t hrough 30 June 2024? I * Select all that apply E `S7_Q29.InList(2,3,4)`	MULTI-SELECT S7_Q30 01 ☐ Feed crops/forage 02 ☐ Tree leaves 03 ☐ Crop residues (e.g., straw or stover) 04 ☐ Agro-industrial by-products (e.g., oilseeds cakes, molass es or cereals brans) 05 ☐ Concentrates 06 ☐ Swill and holding's wastes

VARIABLE
 	
`S7_Q12 + S7_Q13 + S7_Q15 + S7_Q16 + S7_Q17 + S7_Q19 + S7`
`_Q20 + S7_Q21`
	LONG n_change

S7_Q31. Did you milk any %rostertitle% during 1 July 2023 through 30 June 2024? E `@rowcode==101`	SINGLE-SELECT S7_Q31 01 ○ Yes 00 ○ No

SECTION 7: LIVESTOCK PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024 / ROSTER: LIVESTOCK - %ROSTERTITLE%

PART 2: MILK PRODUCTION

E   `S7_Q31==1`

S7_Q32. For how many months on average were %rostertitle% milked during 1 July 2023 through 30 June 2024?

NUMERIC: INTEGER   S7_Q32

I * Number of months
V1 `self.InRange(1,12)`
M1 Must be comprised between 1 and 12 months.

S7_Q33. During these months, how many %rostertitle% were milked on average each month?

NUMERIC: INTEGER   S7_Q33

I * Average number of milked %rostertitle%
V1 `self >= 1 && self <= (S7_Q07 + n_change)`
M1 Number of %rostertitle% milked seems unlikely, please check.

S7_Q33_day. During these months, for how many days per week on average were these %rostertitle% milked?

NUMERIC: INTEGER   S7_Q33_day

I * Number of days per week
V1 `self.InRange(1,7)`
M1 Please enter a valid number of days per week.

S7_Q34. During these months, what was the average quantity of milk produced each day from all %rostertitle%?

NUMERIC: INTEGER   S7_Q34

I * Average quantity of milk produced per day; in litres
V1 `//Set the maximum to 10L per animal per day self>=0 && self<=S7_Q33*10`
M1 This quantity seems unlikely, please confirm.

S7_Q35. During these months, how much of the %rostertitle% milk it produced did the household consume per week?

NUMERIC: INTEGER   S7_Q35

I * Quantity of milk consumed per week; in litres * If processed milk for own consumption, do not include here and report under "for processing"
E `Holding_TYPE==1`
V1 `self==-999 || (self>=0 && self<=S7_Q33_day*S7_Q34)`
M1 Must be less or equal to the total weekly production.

SPECIAL VALUES

000   None

-999   All of the milk produced

S7_Q36. During these months, did the holding sell any of the %rostertitle% milk produced?

SINGLE-SELECT   S7_Q36

01 ⭕ Yes

00 ⭕ No

E `Holding_TYPE==2 || (S7_Q35 < S7_Q33_day*S7_Q34 && S7_Q35 !=-999)`

S7_Q37. During these months, how much of the %rostertitle% milk it produced did the holding sell per week?

NUMERIC: INTEGER   S7_Q37

I * Quantity of milk sold per week; in litres * If processed milk for sale, do not include here and report under "for processing"
E `S7_Q36==1`
V1 `(self + (S7_Q35 ?? 0) > 0) && (self + (S7_Q35 ?? 0) <= S7_Q33_day*S7_Q34)`
M1 Quantity of milk consumed and sold must be less or equal to weekly production.

S7_Q38. During these months, how much on average did you sell %rostertitle% milk per litre?

NUMERIC: INTEGER   S7_Q38

I * In riels
E `S7_Q36==1`
V1 `self==0 || self.InRange(100,12000)`
M1 Please enter a valid monetary value. Maximum reasonable price is KHR 12,000 per L.

PART 3: OTHER LIVESTOCK PRODUCTS

	MULTI-SELECT	S7_Q39
S7_Q39. Has your holding been producing any of the following %rostertitle% products during 1 July 2023 through 30 June 2024?	01 ☐ Meat Packaging: Using advanced packaging for preservation	
I * Prompt and Select all that apply	02 ☐ Meat Curing and Processing: Producing cured meats like beef jerky, sausages, bacon, ham	
V1 `self.ContainsOnly(0) || (self.ContainsAny(1,2,3,4,5,6) && !self.ContainsAny(0))`	03 ☐ By-product Utilization: Producing products from bones, blood, and other by-products	
M1 Can not select "None of the above" with other option, Please correct.	04 ☐ Leather Tanning: Processing hides into leather [cattle only]	
	05 ☐ Dairy Processing: Producing pasteurised milk, cheese, yogurt, and butter [cattle only]	
	06 ☐ Lard Rendering: Extracting lard from fat [pig only]	
	00 ☐ None of the above	

Roster: ROSTER: OTHER LIVETOCK PRODUCTS - %ROSTERTITLE%
generated by multi-select question S7_Q39   livestock_products

E @rowcode!=0

	NUMERIC: INTEGER	S7_Q40
S7_Q40. What is the quantity of %rostertitle% produced during 1 July 2023 through 30 June 2024?	-------------------------------.	
V1 `self>0`		
M1 Livestock product must be more than 0, Please correct.		

	SINGLE-SELECT	S7_Q40_unit
S7_Q40_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.	01 ○ Kg	
E `IsAnswered(S7_Q40) && S7_Q40>0`	02 ○ Litre	

	SINGLE-SELECT	S7_Q41
S7_Q41. Did the holding sell any %rostertitle% during 1 July 2023 through 30 June 2024?	01 ○ Yes	
	00 ○ No	

	NUMERIC: INTEGER	S7_Q42
S7_Q42. What is the quantity of %rostertitle% sold during 1 July 2023 through 30 June 2024?	-------------------------------.	
I * In %S7_Q40_unit%		
E `S7_Q41==1`		
V1 `self>0 && self <= S7_Q40`		
M1 Quantity must be in range from 1 to %S7_Q40% , Please correct.		

S7_Q43. What is the total value of %rostertitle% sold during 1 July 2023 through 30 June 2024?

NUMERIC: INTEGER

S7_Q43

I * In riels
E S7_Q41==1
V1 self>=10000
M1 The total value at least 10,000 riels. Please correct.

SECTION 8: POULTRY PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024

E ELIGIBLE==1 && S1_Q08==1

SECTION 8: POULTRY PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024
Roster: ROSTER: POULTRY - %ROSTERTITLE%
generated by multi-select question S7_Q03

S8_POULTRY

E // Only for chicken, ducks and geese @rowcode.InList(201,203,208)

SECTION 8: POULTRY PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024 / ROSTER: POULTRY - %ROSTERTITLE%
PART 1: INVENTORY

S8_Q01. Does the holding have a production and/or marketing contract for %rostertitle% being raised?	SINGLE-SELECT　　　　　　S8_Q01 01　○ Yes 00　○ No
S8_Q02. Does the contract cover 100% of the %rostertitle% grown by the holding (exclusive contract)? E S8_Q01==1	SINGLE-SELECT　　　　　　S8_Q02 01　○ Yes 00　○ No
S8_Q03. What is the household's main reason for owning/keeping %rostertitle% during 1 July 2023 through 30 June 2024?	SINGLE-SELECT　　　　　　S8_Q03 01　○ Live sale 02　○ Poultry product sale 03　○ Food for the family 04　○ Savings and insurance 05　○ Social status/prestige 06　○ Crop agriculture (manure) 07　○ Breeding 88　○ Other
S8_Q04. How many %rostertitle% did the holding have as of 1st July 2024? I * Number of heads V1 Holding_TYPE==1 && self.InRange(0,Animals_in_HH[@rowcode].maxnumHH) || Holding_TYPE==2 && self.InRange(0,Animals_in_JH[@rowcode].maxnumJH) M1 The inventory of poultry (%S8_Q04%) seems to be out of the expected range. Please confirm.	NUMERIC: INTEGER　　　　S8_Q04 - SPECIAL VALUES 00　　　None

STATIC TEXT

Please answer the following questions about the changes in %rostertitle% numbers during 31 March 2024 through 30 June 2024

S8_Q05. How many %rostertitle% births did the holding have? V1 Holding_TYPE==1 && self.InRange(0,Animals_in_HH[@rowcode].birthHH) || Holding_TYPE==2 && self.InRange(0,Animals_in_JH[@rowcode].birthJH) M1 The number of births seems to be out of the expected range. Please confirm.	NUMERIC: INTEGER　　　　S8_Q05 - SPECIAL VALUES 00　　　None

S8_Q06. How many %rostertitle% were bought alive?	NUMERIC: INTEGER	S8_Q06
V1 Holding_TYPE==1 && self.InRange(0,Animals_in_HH[@rowcode].boughtHH) || Holding_TYPE==2 && self.InRange(0,Animals_in_JH[@rowcode].boughtJH)	SPECIAL VALUES	
M1 The number of animals bought alive seems to be out of the expected range. Please confirm.	00 None	

S8_Q07. What was the price per %rostertitle% head on your last purchase?	NUMERIC: INTEGER	S8_Q07
I * In riels * If several animals purchased last time, average price		
E IsAnswered(S8_Q06) && S8_Q06>0		
V1 self.InRange(Animals_in_HH[@rowcode].minkhr,Animals_in_HH[@rowcode].maxkhr)		
M1 Unit price of %self% riels per head seems to be out of the expected range. Please confirm.		

S8_Q08. How many %rostertitle% were received, including under the form of exchange?	NUMERIC: INTEGER	S8_Q08
V1 Holding_TYPE==1 && self.InRange(0,Animals_in_HH[@rowcode].receivedHH) || Holding_TYPE==2 && self.InRange(0,Animals_in_HH[@rowcode].receivedHH)	SPECIAL VALUES	
M1 The number of animals received seems to be out of the expected range. Please confirm.	00 None	

S8_Q09. How many %rostertitle% died of natural causes, from illness, etc.?	NUMERIC: INTEGER	S8_Q09
V1 Holding_TYPE==1 && self.InRange(0,Animals_out_HH[@rowcode].deathHH) || Holding_TYPE==2 && self.InRange(0,Animals_out_JH[@rowcode].deathJH)	SPECIAL VALUES	
M1 The number of animals that died seems to be out of the expected range. Please confirm.	00 None	

S8_Q10. How many %rostertitle% were sold alive?	NUMERIC: INTEGER	S8_Q10
I * Include the chicks sold by the holding		
V1 Holding_TYPE==1 && self.InRange(0,Animals_out_HH[@rowcode].soldHH) || Holding_TYPE==2 && self.InRange(0,Animals_out_JH[@rowcode].soldJH)	SPECIAL VALUES	
M1 The number of animals sold seems to be out of the expected range. Please confirm.	00 None	

S8_Q11. What was the %rostertitle% price per kilogram on your last sale?	NUMERIC: INTEGER	S8_Q11
E IsAnswered(S8_Q10) && S8_Q10>0		
V1 self>0		
M1 Higher than 0.		

VARIABLE	DOUBLE	POULTRYSALE
S8_Q11_unit==1 ? S8_Q11 : S8_Q11*4000		

S8_Q11_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.	SINGLE-SELECT	S8_Q11_unit
E IsAnswered(S8_Q11) && S8_Q11>0	01 ◯ Riel per kg	
V1 POULTRYSALE.InRange(Animals_in_HH[@rowcode].minkhr,Animals_in_HH[@rowcode].maxkhr)	02 ◯ Dollar per kg	
M1 Unit price of %POULTRYSALE% riels per kilogram seems to be out of the expected range. Please confirm.		

S8_Q12. How many %rostertitle% were stolen?	NUMERIC: INTEGER	S8_Q12
V1 `self.InRange(0,Animals_out_HH[@rowcode].stolenHH)` M1 The number of animals stolen seems to be out of the expected range. Please confirm.	- SPECIAL VALUES 00 None	
S8_Q13. How many %rostertitle% were given a way as gift, donation, etc.?	NUMERIC: INTEGER	S8_Q13
V1 `(Holding_TYPE==1 && self.InRange(0,Animals_out_HH[@rowco` `de].giftHH)) || (Holding_TYPE==2 && self.InRange(0,Anima` `ls_out_JH[@rowcode].giftJH))` M1 The number of animals given away seems to be out of the expected range. Please confirm.	- SPECIAL VALUES 00 None	
S8_Q14. How many %rostertitle% were slaught ered for consumption or for sale as meat?	NUMERIC: INTEGER	S8_Q14
V1 `Holding_TYPE==1 && self.InRange(0,Animals_out_HH[@rowcod` `e].slaughterHH) || Holding_TYPE==2 && self.InRange(0,Ani` `mals_out_JH[@rowcode].slaughterJH)` M1 The number of animals slaugthered seems to be out of the expected range. Please confirm.	- SPECIAL VALUES 00 None	
S8_Q15. What was the average weight of the %rostertitle% before they were slaughtered?	NUMERIC: DECIMAL	S8_Q15
I * In kg per head E `IsAnswered(S8_Q14) && S8_Q14>0` V1 `self.InRange(1,Animals_out_HH[@rowcode].weight)` M1 Weight out of the expected range, please confirm.	- -	
S8_Q16. How many of these %S8_Q14% slaught ered %rostertitle% were consumed by the hou sehold?	NUMERIC: INTEGER	S8_Q16
E `IsAnswered(S8_Q14) && S8_Q14>0 && Holding_TYPE==1` V1 `self.InRange(0,S8_Q14)` M1 Must be comprised between 0 and %S8_Q14%.	- SPECIAL VALUES 00 None	
S8_Q17. Has this holding sold some of the slau ghtered %rostertitle% or their meat?	SINGLE-SELECT 01 ◯ Yes 00 ◯ No	S8_Q17

E `(Holding_TYPE==2 && IsAnswered(S8_Q14) && S8_Q14>0) || S`
`8_Q16<S8_Q14`
V1 `(self==1 && (S8_Q16<S8_Q14 || Holding_TYPE==2)) || (self`
`==0 && S8_Q16==S8_Q14)`
M1 Please check consistency with S8_Q14 and S8_Q16.		

S8_Q18. How many slaughtered %rostertitle% were sold by the household?	NUMERIC: INTEGER	S8_Q18
E `S8_Q17==1` V1 `(S8_Q16 ?? 0) + self == S8_Q14` M1 The sum of self-consumed and sold poultry must be equal to %S8_Q14%, please correct.	- -	
S8_Q19. What were the total revenues from the se sales?	NUMERIC: INTEGER	S8_Q19
I * In riels E `S8_Q17==1` V1 `self.InRange(100, S8_Q18*Animals_out_HH[@rowcode].slaugh` `terKHR)` M1 Revenue out of the expected range, please confirm.	- -	

S8_Q20. Did this holding have any meat in stock from the slaughtered %rostertitle% as of 1st July 2024? E `IsAnswered(S8_Q14) && S8_Q14>0`	SINGLE-SELECT S8_Q20 01 ◯ Yes 00 ◯ No
S8_Q21. What are the main purposes for stocking %rostertitle%'s meat? E `S8_Q20==1`	SINGLE-SELECT S8_Q21 01 ◯ Food for the household 02 ◯ For selling 03 ◯ Render payment in-kind
S8_Q22. What practices were used by this holding to feed the poultry during 1 July 2023 through 30 June 2024?	SINGLE-SELECT S8_Q22 01 ◯ Only grazing, including scavenging 02 ◯ Mainly grazing, including scavenging, with some feeding 03 ◯ Mainly feeding, with some grazing, including scavenging 04 ◯ Only feeding (no grazing or scavenging)
S8_Q23. What types of feed were used by this holding to feed the poultry during 1 July 2023 through 30 June 2024? I * Select all that apply E `S8_Q22.InList(2,3,4)`	MULTI-SELECT S8_Q23 01 ☐ Feed crops/forage 02 ☐ Tree leaves 03 ☐ Crop residues (e.g., straw or stover) 04 ☐ Agro-industrial by-products (e.g., oilseeds cakes, molasses or cereals brans) 05 ☐ Concentrates 06 ☐ Swill and holding's wastes
S8_Q24. Did the holding collect %rostertitle% eggs during 1 July 2023 through 30 June 2024?	SINGLE-SELECT S8_Q24 01 ◯ Yes 00 ◯ No

SECTION 8: POULTRY PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024 / ROSTER: POULTRY - %ROSTERTITLE%
PART 2: EGG PRODUCTION
E `S8_Q24==1`

S8_Q25. What is the number of months, during 1 July 2023 through 30 June 2024 in which you collected eggs from %rostertitle%? V1 `self.InRange(1,12)` M1 Number of months in a year cannot be greater than 12. Please correct.	NUMERIC: INTEGER S8_Q25 ------------------------------ SPECIAL VALUES 12 Every month

S8_Q26. What is the average number of days per month in which you collected eggs from %rostertitle%?

V1 `self.InRange(0,31)`

M1 Number of days in a month cannot be greater than 31. Please correct.

NUMERIC: INTEGER   S8_Q26

SPECIAL VALUES

31   Every day in the month

S8_Q27. What was the average production of %rostertitle% eggs per day?

I `* Number of eggs`

V1 `self.InRange(0,S8_Q04*2)`

M1 Must be higher or equal to 0 and lower than 2 x total number of poultry (each bird can have max 2 eggs per day).

NUMERIC: INTEGER   S8_Q27

S8_Q28. Of the %rostertitle% eggs produced from 1 July 2023 to 30 June 2024, what percentage was used for own use, human consumption?

I `* In %`

E `Holding_TYPE==1`

V1 `self.InRange(0,100)`

M1 Invalid percentage, please enter correct value.

NUMERIC: INTEGER   S8_Q28

SPECIAL VALUES

000   None

025   One-quarter (1/4)

050   Half

075   Three-quarters (3/4)

100   All

S8_Q29. Of the %rostertitle% eggs produced from 1 July 2023 to 30 June 2024, what percentage got sold?

I `* In %`

E `Holding_TYPE==2 || (IsAnswered(S8_Q28) && S8_Q28<100)`

V1 `self >= 0 && self <= (100 – (S8_Q28 ?? 0))`

M1 The sum of percentages of eggs self-consumed and sold cannot exceed 100. Please correct.

NUMERIC: INTEGER   S8_Q29

SPECIAL VALUES

000   None

025   One-quarter (1/4)

050   Half

075   Three-quarters (3/4)

100   All

S8_Q30. What was the unit price on your last egg sale?

I `* In riels`

E `IsAnswered(S8_Q29) && S8_Q29>0`

V1 `self>300`

M1 Must be higher than 300.

NUMERIC: INTEGER   S8_Q30

S8_Q30_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.

E `IsAnswered(S8_Q30) && S8_Q30>0`

V1 `self==1 ? S8_Q30<=Animals_in_HH[@rowcode].eggmaxkhr : (self==2 ? S8_Q30<=10*Animals_in_HH[@rowcode].eggmaxkhr : S8_Q30<=30*Animals_in_HH[@rowcode].eggmaxkhr)`

M1 This price is out of the expected range, please revise.

NUMERIC: INTEGER   S8_Q30_unit

SPECIAL VALUES

01   Per egg

02   Per 10 eggs

03   Per tray (30 eggs)

S8_Q31. Of the %rostertitle% eggs produced from 1 July 2023 to 30 June 2024, what percentage got given away?

I * In %
E (S8_Q28 ?? 0) + S8_Q29 < 100
V1 self >= 0 && self <= (100 - (S8_Q28 ?? 0) - S8_Q29)
M1 The sum of percentages of eggs self-consumed, sold and given away cannot exceed 100. Please correct.

NUMERIC: INTEGER   S8_Q31

- .

SPECIAL VALUES

000	None
025	One-quarter (1/4)
050	Half
075	Three-quarters (3/4)
100	All

S8_Q32. Of the %rostertitle% eggs produced from 1 July 2023 to 30 June 2024, what percentage got lost or broken?

I * In %
E (S8_Q28 ?? 0) + S8_Q29 + S8_Q31 < 100
V1 self >= 0 && self <= (100 - (S8_Q28 ?? 0) - S8_Q29 - S8_Q31)
M1 The sum of percentages of eggs self-consumed, sold, given away and lost/broken must be equal to 100. Please correct.

NUMERIC: INTEGER   S8_Q32

- .

SPECIAL VALUES

000	None
025	One-quarter (1/4)
050	Half
075	Three-quarters (3/4)
100	All

S8_Q33. Of the %rostertitle% eggs produced from 1 July 2023 to 30 June 2024, what percentage got used for other purposes?

I * In %
E (S8_Q28 ?? 0) + S8_Q29 + S8_Q31 + S8_Q32 < 100
V1 self == (100 - (S8_Q28 ?? 0) - S8_Q29 - S8_Q31 - S8_Q32)
M1 The sum of percentages of eggs self-consumed, sold, given away, lost/broken and used for other purposes must be equal to 100. Please correct.

NUMERIC: INTEGER   S8_Q33

- .

SPECIAL VALUES

000	None
025	One-quarter (1/4)
050	Half
075	Three-quarters (3/4)
100	All

SECTION 8: POULTRY PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024 / ROSTER: POULTRY - %ROSTERTITLE%
PART 3: OTHER CHICKEN/DUCK PRODUCTS

S8_Q34. Has your holding been producing any of the following chicken/Duck products during 1 July 2023 through 30 June 2024?	MULTI-SELECT	S8_Q34
I * Prompt and Select all that apply V1 self.ContainsOnly(0) || (self.ContainsAny(1,2,3,4,5,6) && !self.ContainsAny(0)) M1 Can not select "None of the above" with other option, Please correct.	01 ☐ Meat Packaging: Using advanced packaging for preservation 02 ☐ Processed Chicken /Duck Products: Producing nuggets, sausages, and patties 03 ☐ By-product Utilization: Utilizing bones, blood, and other by-products 04 ☐ Feather Processing: Producing feather meal and other products 05 ☐ Egg Processing: Producing liquid, powdered, and frozen eggs 00 ☐ None of the above	

SECTION 8: POULTRY PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024 / ROSTER: POULTRY - %ROSTERTITLE% / PART 3: OTHER CHICKEN/DUCK PRODUCTS

Roster: ROSTER: OTHER CHICKEN PRODUCTS - %ROSTERTITLE%

generated by multi-select question S8_Q34   `chicken_products`

E   @rowcode!=0

S8_Q35. What is the quantity of %rostertitle% produced during 1 July 2023 through 30 June 2024?	NUMERIC: INTEGER	S8_Q35
V1 self>0 M1 Poultry product must be more than 0, Please correct.	- .	

S8_Q35_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.	SINGLE-SELECT	S8_Q35_unit
E IsAnswered(S8_Q35) && S8_Q35>0	01 ○ Kg 02 ○ Litre	

S8_Q36. Did the holding sell any %rostertitle% during 1 July 2023 through 30 June 2024?	SINGLE-SELECT	S8_Q36
	01 ○ Yes 00 ○ No	

S8_Q37. What is the quantity of %rostertitle% sold during 1 July 2023 through 30 June 2024?	NUMERIC: INTEGER	S8_Q37
I * In %S8_Q35_unit% E S8_Q36==1 V1 self>0 && self<=S8_Q35 M1 Quantity must be in range from 1 to %S8_Q35% , Please correct.	- .	

S8_Q38. What is the total value of %rostertitle% sold during 1 July 2023 through 30 June 2024?	NUMERIC: INTEGER	S8_Q38
I * In riels E S8_Q36==1 V1 self>=10000 M1 The total value at lease 10,000 and over. Please correct.	- .	

SECTION 9: NON-RESIDENTIAL BUILDINGS (LIVESTOCK & POULTRY)

E `ELIGIBLE==1 && S1_Q08==1`

S9_Q01. Did the holding use non-residential building or structures for Livestock or Poultry purposes during 1 July 2023 through 30 June 2024?

SINGLE-SELECT   S9_Q01

- 01 ○ Yes
- 00 ○ No

S9_Q02. If yes, how many do you have?

I   * Number
E   `S9_Q01==1`
V1   `self>0`
M1   Number building must be > 0, please correct.

NUMERIC: INTEGER   S9_Q02

S9_Q03. What buildings or structures were used by this holding for livestock or poultry during 1 July 2023 to 30 June 2024?

I   * Please select as many as apply
F   @optioncode.InList(4,6,7,8,88) || (@optioncode==1 && S7_Q01.Contains(1)) || (@optioncode==2 && S7_Q01.Contains(2)) || (@optioncode==3 && S7_LIVESTOCK.Any(x=>x.S7_Q31==1)) || (@optioncode==5 && (S7_LIV [And 62 other symbols [1]](#)
E   `S9_Q01==1`

MULTI-SELECT   S9_Q03

- 01 ☐ Housing of large or small livestock
- 02 ☐ Housing of poultry
- 03 ☐ Milking
- 04 ☐ Production of dairy products
- 05 ☐ Meat production (slaughtering and first cuts)
- 06 ☐ Meat processing
- 07 ☐ Preparation of hides and skins and/or production of leather goods
- 08 ☐ Storage for livestock-related machinery and equipment
- 88 ☐ Other purposes (Specify)

S9_Q03_OTH. Other (Specify).

E   `S9_Q03.Contains(88)`

TEXT   S9_Q03_OTH

....

SECTION 9: NON-RESIDENTIAL BUILDINGS (LIVESTOCK & POULTRY)
Roster: ROSTER: LIVESTOCK HOUSING USE - %ROSTERTITLE%
generated by multi-select question [S9_Q03](#)   S9_LIVESTOCK_HOUSING

S9_Q04. What is the tenure of the buildings or structures used for %rostertitle%?

I   * Select all that apply

MULTI-SELECT   S9_Q04

- 01 ☐ Owned
- 02 ☐ Rented
- 88 ☐ Used under another arrangement (Specify)

S9_Q04_OTH. Other (Specify).

E   `S9_Q04.Contains(88)`

TEXT   S9_Q04_OTH

....

S9_Q05. Was the building or structure used to house %rostertitle% also used to house human s?	SINGLE-SELECT S9_Q05 01 ◯ Yes 00 ◯ No
S9_Q06. In addition to the buildings for livestoc k or poultry that you just listed, did the holding own and not use any other non-residential buil ding or structures for livestock or poultry purp oses in the past 12 months?	SINGLE-SELECT S9_Q06 01 ◯ Yes 00 ◯ No
S9_Q07. If yes, how many were they? I * Number E S9_Q06==1	NUMERIC: INTEGER S9_Q07 ‑ .

SECTION 10: AQUACULTURE AND/OR CAPTURE FISHING FROM 1 JULY 2023 TO 30 JUNE 2024

E `ELIGIBLE==1 && (S1_Q09==1 || S1_Q10a==1 || S1_Q10b==1)`

SECTION 10: AQUACULTURE AND/OR CAPTURE FISHING FROM 1 JULY 2023 TO 30 JUNE 2024
PART 1: AQUACULTURE

E `S1_Q09==1`

S10_Q01. What is the type of production facility used during 1 July 2023 through 30 June 2024? I * Select all that apply	MULTI-SELECT S10_Q01 01 ☐ Pond 02 ☐ Pen 03 ☐ Cage 04 ☐ Paddy field 05 ☐ Culvert/tank/drum/aquarium 06 ☐ Hatchery/Nursery 88 ☐ Other
S10_Q02. How many times has the pond or rice field flooded in the last 10 years? E `S10_Q01.ContainsAny(1,4)` V1 `(Holding_TYPE==1 && self<=8) || (Holding_TYPE==2 && self <=2)` M1 This seems like a high number of flooding events. Please confirm.	NUMERIC: INTEGER S10_Q02 ‑ SPECIAL VALUES 00 None
S10_Q03. What size is the area used in the aqua culture activity? V1 `self>0` M1 Must be higher than 0.	NUMERIC: DECIMAL S10_Q03 ‑
S10_Q03_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent. E `IsAnswered(S10_Q03) && S10_Q03>0` V1 `Holding_TYPE==1 && AQUAHA <= 0.5 || Holding_TYPE==2 && AQUAHA <= 20` M1 Aquaculture area seems too big. Please confirm.	SINGLE-SELECT S10_Q03_unit 01 ○ Hectares 02 ○ Ares 03 ○ Square meters
VARIABLE `S10_Q03_unit==1 ? S10_Q03 : (S10_Q03_unit==2 ? S10_Q03/1 00 : S10_Q03/10000)`	DOUBLE AQUAHA
S10_Q04. What is the type of water used? I * Select all that apply	MULTI-SELECT S10_Q04 01 ☐ Marine water 02 ☐ Brackish water 03 ☐ Freshwater

S10_Q05. Identify the species raised during 1 July 2023 through 30 June 2024	MULTI-SELECT	S10_Q05

01 ☐ Nile Tilapia

02 ☐ Silver barb

03 ☐ Common carp

04 ☐ Silver carp

05 ☐ Roho Labeo

06 ☐ Saltan Fish

07 ☐ Striped Catfish

08 ☐ Snakeskin Gouranmi

09 ☐ Red Tailed Tinfoil

10 ☐ Giant Snakehead

11 ☐ Striped Snakehead

12 ☐ Redtail catfish

13 ☐ Catfish

14 ☐ Eel

15 ☐ Frog

16 ☐ Giant Freshwater Prawn

And 4 other symbols [7]

SECTION 10: AQUACULTURE AND/OR CAPTURE FISHING FROM 1 JULY 2023 TO 30 JUNE 2024 / PART 1: AQUACULTURE

Roster: AQUACULTURE SPECIES - %ROSTERTITLE%

generated by multi-select question S10_Q05

S10_AQUACULTURE

S10_Q06. What was the inventory of %rostertitle% as of 1 July 2024?

I   * Enter number of fish

V1   self==-99 || self>=0

M1   Must be higher or equal to 0.

V2   self==-99 || (Holding_TYPE==1 && self.InRange(0, 8000)) || (Holding_TYPE==2 && self.InRange(0, 200000))

M2   Fish inventory seems out of the reasonable range. Please confirm.

NUMERIC: INTEGER   S10_Q06

SPECIAL VALUES

-99   Don't Know

S10_Q07. How many production cycles did you run during 1 July 2023 through 30 June 2024 for %rostertitle%?

V1   (Holding_TYPE==1 && self.InRange(1,4)) || (Holding_TYPE==2 && self.InRange(1,2))

M1   Production cycles shouldbe between 1 to 4 times, please correct.

NUMERIC: INTEGER   S10_Q07

S10_Q08. What was the harvest of %rostertitle% during 1 July 2023 through 30 June 2024?

I   * In kg

V1   (Holding_TYPE==1 && self.InRange(50,4000)) || (Holding_TYPE==2 && self.InRange(1000,200000)) || self==-99 || self==0

M1   Aquaculture harvest seems out of the acceptable range. Please check.

NUMERIC: DECIMAL   S10_Q08

SPECIAL VALUES

-99   Don't Know

00   No harvest

S10_Q09. What was the number of %rostertitle% that died from natural causes, illness, etc. during 1 July 2023 through 30 June 2024? I * Enter number of fish V1 `self==-99 || self.InRange(0,1000)` M1 Must be higher or equal to 0.	NUMERIC: INTEGER S10_Q09 ------------------------------ SPECIAL VALUES -99 Don't Know 00 None
S10_Q10. What is the main type of feed used for %rostertitle%?	SINGLE-SELECT S10_Q10 01 ○ Pelleted feed 02 ○ Trash fish-based feed 03 ○ Home-made feed 04 ○ No Feed 88 ○ Other

STATIC TEXT

E   `IsAnswered(S10_Q08) && S10_Q08!=0`

Answer the following questions about the destinations of the holding's production from all harvests of %rostertitle% during 1 July 2023 through 30 June 2024.

S10_Q11. Did your holding use the harvested %rostertitle% for any of the following purposes during 1 July 2023 through 30 June 2024? I * Read answers. Select all that apply. F `(@optioncode==1 && Holding_TYPE==1) || @optioncode!=1` E `IsAnswered(S10_Q08) && S10_Q08!=0`	MULTI-SELECT S10_Q11 01 ☐ Unprocessed, for own consumption 02 ☐ Unprocessed, for sale 03 ☐ Processed Fish Products: Fish balls, crab sticks, prohok and other prodcuts 04 ☐ Filleting: Processing fish into fillets 05 ☐ Canning: Preserving fish in cans 06 ☐ Smoking: Enhancing flavor through smoking 07 ☐ Fish Meal and Oil: Producing fish meal and oil 08 ☐ Freezing: Using advanced freezing techniques for preservation 88 ☐ For other purposes
VARIABLE `(S10_Q11.Contains(1)?1:0) + (S10_Q11.Contains(2)?1:0) + (S10_Q11.ContainsAny(3,4,5,6,7,8) && Holding_TYPE==1?2:(S10_Q11.ContainsAny(3,4,5,6,7,8) && Holding_TYPE==2?1:0)) + (S10_Q11.Contains(88)?1:0)`	LONG LENGTH_S10_Q11
VARIABLE `(IsAnswered(S10_Q12)?1:0) + (IsAnswered(S10_Q13)?1:0) + (IsAnswered(S10_Q15)?1:0) + (IsAnswered(S10_Q16)?1:0) + (IsAnswered(S10_Q18)?1:0)`	LONG Count_S10_Q11

S10_Q12. What was the percentage share of harvested %rostertitle% kept unprocessed for own use human consumption?

I * In %
E S10_Q11.Contains(1)
V1 `self.InRange(1,100)`
M1 Value should be between 1 to 100%
V2 `// Aquaculture production for own-consumption should be lower than 800kg S10_Q08==-99 || (S10_Q08>0 && S10_Q08*self/100 <= 800)`
M2 This seems like a high value for own-consumption. Please confirm.
V3 `(LENGTH_S10_Q11==1 && self==100) || LENGTH_S10_Q11>1`
M3 Share of aquaculture production must be 100% if only use selected at S10_Q11.
V4 `(LENGTH_S10_Q11>1 && LENGTH_S10_Q11==Count_S10_Q11 && self==100-(S10_Q13??0)-(S10_Q15??0)-(S10_Q16??0)-(S10_Q18??0)) || LENGTH_S10_Q11 > Count_S10_Q11 || LENGTH_S10_Q11==1`
M4 Sum of all use % must be equal to 100% when all use % have been informed.
V5 `(LENGTH_S10_Q11>1 && LENGTH_S10_Q11>Count_S10_Q11 && self<100-(S10_Q13??0)-(S10_Q15??0)-(S10_Q16??0)-(S10_Q18??0)) || LENGTH_S10_Q11==Count_S10_Q11 || LENGTH_S10_Q11==1`
M5 Sum of all use % must be lower than 100% since other uses have not been informed.

NUMERIC: INTEGER   S10_Q12

SPECIAL VALUES

100	All of it (100%)
075	Three quarters (75%)
050	Half (50%)
025	One quarter (25%)

S10_Q13. What was the percentage share of harvested %rostertitle% kept unprocessed for sale?

I * In %
E S10_Q11.Contains(2)
V1 `self.InRange(1,100)`
M1 Value should be between 1 to 100%
V2 `(LENGTH_S10_Q11==1 && self==100) || LENGTH_S10_Q11>1`
M2 Share of aquaculture production must be 100% if only use selected at S10_Q11.
V3 `(LENGTH_S10_Q11>1 && LENGTH_S10_Q11==Count_S10_Q11 && self==100-(S10_Q12??0)-(S10_Q15??0)-(S10_Q16??0)-(S10_Q18??0)) || LENGTH_S10_Q11 > Count_S10_Q11 || LENGTH_S10_Q11==1`
M3 Sum of all use % must be equal to 100% when all use % have been informed.
V4 `(LENGTH_S10_Q11>1 && LENGTH_S10_Q11>Count_S10_Q11 && self<100-(S10_Q12??0)-(S10_Q15??0)-(S10_Q16??0)-(S10_Q18??0)) || LENGTH_S10_Q11==Count_S10_Q11 || LENGTH_S10_Q11==1`
M4 Sum of all use % must be lower than 100% since other uses have not been informed.

NUMERIC: INTEGER   S10_Q13

SPECIAL VALUES

100	All of it (100%)
075	Three quarters (75%)
050	Half (50%)
025	One quarter (25%)

S10_Q14. What was the unit sale price of %rostertitle% last time?

I * In riels per kilogram
E IsAnswered(S10_Q13) && S10_Q13>0
V1 `self.InRange(Aqua[@rowcode].minkhrkg,Aqua[@rowcode].maxkhrkg)`
M1 This unit sale price of %self% riels per kilogram seems to be out of the expected range. Please confirm.

NUMERIC: INTEGER   S10_Q14

S10_Q15. What was the percentage share of harvested %rostertitle% production that you processed for own use for human consumption (e.g. fish sauce, prahok, fish balls, smoked fish etc.)?

NUMERIC: INTEGER S10_Q15

I   * In %
E   S10_Q11.ContainsAny(3, 4, 5, 6, 7, 8) && Holding_TYPE==1
V1   self.InRange(0,100)
M1   Value should be between 0 to 100%
V2   (LENGTH_S10_Q11==1 && self==100) || LENGTH_S10_Q11>1
M2   Share of aquaculture production must be 100% if only use selected at S10_Q11.
V3   (LENGTH_S10_Q11>1 && LENGTH_S10_Q11==Count_S10_Q11 && self==100-(S10_Q13??0)-(S10_Q12??0)-(S10_Q16??0)-(S10_Q18??0)) || LENGTH_S10_Q11 > Count_S10_Q11 || LENGTH_S10_Q11==1
M3   Sum of all use % must be equal to 100% when all use % have been informed.
V4   (LENGTH_S10_Q11>1 && LENGTH_S10_Q11>Count_S10_Q11 && self<100-(S10_Q13??0)-(S10_Q12??0)-(S10_Q16??0)-(S10_Q18??0)) || LENGTH_S10_Q11==Count_S10_Q11 || LENGTH_S10_Q11==1
M4   Sum of all use % must be lower than 100% since other uses have not been informed.

SPECIAL VALUES

100	All of it (100%)
075	Three quarters (75%)
050	Half (50%)
025	One quarter (25%)
000	Not consumed at all

S10_Q16. What was the percentage share of harvested %rostertitle% production that you processed for sale (e.g. fish sauce, prahok, fish balls, smoked fish, canned, filleted etc.)?

NUMERIC: INTEGER S10_Q16

I   * In %
E   S10_Q11.ContainsAny(3, 4, 5, 6, 7, 8)&& S10_Q15<100
V1   self.InRange(0,100)
M1   Value should be between 0 to 100%
V2   (LENGTH_S10_Q11==1 && self==100) || LENGTH_S10_Q11>1
M2   Share of aquaculture production must be 100% if only use selected at S10_Q11.
V3   (LENGTH_S10_Q11>1 && LENGTH_S10_Q11==Count_S10_Q11 && self==100-(S10_Q13??0)-(S10_Q15??0)-(S10_Q12??0)-(S10_Q18??0)) || LENGTH_S10_Q11 > Count_S10_Q11 || LENGTH_S10_Q11==1
M3   Sum of all use % must be equal to 100% when all use % have been informed.
V4   (LENGTH_S10_Q11>1 && LENGTH_S10_Q11>Count_S10_Q11 && self<100-(S10_Q13??0)-(S10_Q15??0)-(S10_Q12??0)-(S10_Q18??0)) || LENGTH_S10_Q11==Count_S10_Q11 || LENGTH_S10_Q11==1
M4   Sum of all use % must be lower than 100% since other uses have not been informed.

SPECIAL VALUES

100	All of it (100%)
075	Three quarters (75%)
050	Half (50%)
025	One quarter (25%)

S10_Q17. What was the unit sale price of processed %rostertitle% last time you sold some?

NUMERIC: INTEGER S10_Q17

I   * In riels per kilogram
E   IsAnswered(S10_Q16) && S10_Q16>0
V1   self>=100
M1   Must be higher than 100 riels per kg.

S10_Q18. What was the percentage share of %r ostertitle% production for other purposes (e.g. used as pay for labour as wages, given to service or input providers, lost, stolen, etc)?

I   * In %
E   `S10_Q11.Contains(88)`
V1   `self.InRange(1,100)`
M1   Value should be between 1 to 100%
V2   `(LENGTH_S10_Q11==1 && self==100) || LENGTH_S10_Q11>1`
M2   Share of aquaculture production must be 100% if only use selected at S10_Q11.
V3   `(LENGTH_S10_Q11>1 && LENGTH_S10_Q11==Count_S10_Q11 && self==100-(S10_Q13??0)-(S10_Q15??0)-(S10_Q16??0)-(S10_Q12??0)) || LENGTH_S10_Q11 > Count_S10_Q11 || LENGTH_S10_Q11==1`
M3   Sum of all use % must be equal to 100% when all use % have been informed.
V4   `(LENGTH_S10_Q11>1 && LENGTH_S10_Q11>Count_S10_Q11 && self<100-(S10_Q13??0)-(S10_Q15??0)-(S10_Q16??0)-(S10_Q12??0)) || LENGTH_S10_Q11==Count_S10_Q11 || LENGTH_S10_Q11==1`
M4   Sum of all use % must be lower than 100% since other uses have not been informed.

NUMERIC: INTEGER   S10_Q18

SPECIAL VALUES

100	All of it (100%)
075	Three quarters (75%)
050	Half (50%)
025	One quarter (25%)

SECTION 10: AQUACULTURE AND/OR CAPTURE FISHING FROM 1 JULY 2023 TO 30 JUNE 2024

PART 2: CAPTURE FISHING ACTIVITIES

E   `(S1_Q10a==1 && RANDOM==1) || (S1_Q10b==1 && RANDOM==2)`

S10_Q19. What type of fishing activity are you involved in?

I   * Select all that apply * Include fishing from the pond in rice field fisheries

MULTI-SELECT   S10_Q19

01	☐	River or lake (freshwater)
02	☐	Sea (marine)
03	☐	Estuary (brackish)
04	☐	Rice field (freshwater)

S10_Q20a. What type of equipment was used for fishing in the past 1 month?

I * Select all that apply
E RANDOM==1

MULTI-SELECT   S10_Q20a

- 00 ☐ Bare hands
- 01 ☐ Case Net
- 02 ☐ Plunge basket or cover pot
- 03 ☐ Drift gillnet
- 04 ☐ Horizontal cylinder trap for rice fields
- 05 ☐ Wedge-shaped scoop basket
- 06 ☐ Frog Gaff
- 07 ☐ Eel Clamp
- 08 ☐ Hook line
- 09 ☐ Bamboo Tube trap for eel
- 10 ☐ Giant lift net
- 11 ☐ Gillnet
- 12 ☐ Trap
- 13 ☐ Trawl
- 14 ☐ Octopus trap longline
- 15 ☐ Dragged basket for blood cockle

And 1 other symbols [8]

S10_Q20b. What type of equipment was used for fishing from 1 July 2023 to 30 June 2024?

I * Select all that apply
E RANDOM==2

MULTI-SELECT   S10_Q20b

- 00 ☐ Bare hands
- 01 ☐ Case Net
- 02 ☐ Plunge basket or cover pot
- 03 ☐ Drift gillnet
- 04 ☐ Horizontal cylinder trap for rice fields
- 05 ☐ Wedge-shaped scoop basket
- 06 ☐ Frog Gaff
- 07 ☐ Eel Clamp
- 08 ☐ Hook line
- 09 ☐ Bamboo Tube trap for eel
- 10 ☐ Giant lift net
- 11 ☐ Gillnet
- 12 ☐ Trap
- 13 ☐ Trawl
- 14 ☐ Octopus trap longline
- 15 ☐ Dragged basket for blood cockle

And 1 other symbols [9]

VARIABLE	STRING	REFPERIOD
RANDOM==1 ? "ក្នុងរយៈពេល 1 ខែកន្លងមក":" ក្នុងអំឡុងពេលថ្ងៃទី 1 ខែកក្កដា ឆ្នាំ 2023 ដល់ថ្ងៃទី 30 ខែមិថុនា ឆ្នាំ 2024"		

S10_Q21. Identify the species fished %REFPERIOD% ?

I * Select all that apply

MULTI-SELECT		S10_Q21
01	☐ Fish	
02	☐ Giant Freshwater Prawn	
03	☐ Crab	
04	☐ Snails	
05	☐ Eel	
06	☐ Black tiger shrimp or whiteleg shrimp	
88	☐ Other	

SECTION 10: AQUACULTURE AND/OR CAPTURE FISHING FROM 1 JULY 2023 TO 30 JUNE 2024 / PART 2: CAPTURE FISHING ACTIVITIES

Roster: CAPTURE FISHING - %ROSTERTITLE%
generated by multi-select question S10_Q21

S10_CAPTUREFISHING

S10_Q22. For how many weeks have you or your household members been fishing %rostertitle% during the past 1 month?

I * Number of weeks
E RANDOM==1
V1 `self.InRange(1,4)`
M1 Cannot more than 4 weeks per month. Please correct.

NUMERIC: INTEGER — S10_Q22

----------------------------------- .

S10_Q23. During the past 1 month, how many days per week did your holding catch %rostertitle% on average?

I *number of days
E `IsAnswered(S10_Q22) && S10_Q22>0`
V1 `self.InRange(1,7)`
M1 Number of days per week mustbe between 1 to 7 days, please correct.

NUMERIC: INTEGER — S10_Q23

----------------------------------- .

S10_Q24. For how many months has your holding been fishing %rostertitle% during 1 July 2023 through 30 June 2024?

I * Number of months
E RANDOM==2
V1 `self.InRange(1,12)`
M1 Must be comprised between 1 and 12 months. Please check.

NUMERIC: INTEGER — S10_Q24

----------------------------------- .

S10_Q25. During these months, how many days per month did your holding catch %rostertitle% on average?

I * Average number of days
E `IsAnswered(S10_Q24) && S10_Q24>0`
V1 `self.InRange(1,31)`
M1 Must be comprised between 1 and 31 days.

NUMERIC: INTEGER — S10_Q25

----------------------------------- .

STATIC TEXT

For the next questions, please think about a typical day when you fished %rostertitle%.

S10_Q26a. On a typical fishing day, on average, how much %rostertitle% did you collect during the past 1 month?	NUMERIC: INTEGER S10_Q26a
I * In kg	---
E RANDOM==1	
V1 self.InRange(1,100)	
M1 Must be comprised between 1 and 100.	

S10_Q26b. On a typical fishing day, on average, how much %rostertitle% did you collect during 1 July 2023 through 30 June 2024?	NUMERIC: INTEGER S10_Q26b
I * In kg	---
E RANDOM==2	
V1 self.InRange(1,100)	
M1 Must be comprised between 1 and 100.	

STATIC TEXT

Answer the following questions about the destinations of the holding's catch of %rostertitle%%REFPERIOD% ?

S10_Q27a. Did your holding use the %rostertitle% that you caught for any of the following purposes during the past 1 month?	MULTI-SELECT S10_Q27a
	01 ☐ Unprocessed for own consumption
I * Read answers. Select all that apply.	02 ☐ Unprocessed for sale
F (@optioncode==1 && Holding_TYPE==1) || @optioncode!=1	03 ☐ Processed Fish Products:Fish balls, crab sticks, prohok and other prodcuts
E IsAnswered(S10_Q26a) && S10_Q26a>0	04 ☐ Filleting: Processing fish into fillets
	05 ☐ Canning: Preserving fish in cans
	06 ☐ Smoking: Enhancing flavor through smoking
	07 ☐ Fish Meal and Oil: Producing fish meal and oil
	08 ☐ Freezing: Using advanced freezing techniques for preservation
	88 ☐ For other purposes

S10_Q27b. Did your holding use the %rostertitle% that you caught for any of the following purposes during 1 July 2023 through 30 June 2024?

I * Read answers. Select all that apply.
F (@optioncode==1 && Holding_TYPE==1) || @optioncode!=1
E IsAnswered(S10_Q26b) && S10_Q26b>0

MULTI-SELECT   S10_Q27b

01 ☐ Unprocessed for own consumption

02 ☐ Unprocessed for sale

03 ☐ Processed Fish Products:Fish balls, crab sticks, prohok and other prodcuts

04 ☐ Filleting: Processing fish into fillets

05 ☐ Canning: Preserving fish in cans

06 ☐ Smoking: Enhancing flavor through smoking

07 ☐ Fish Meal and Oil: Producing fish meal and oil

08 ☐ Freezing: Using advanced freezing techniques for preservation

88 ☐ For other purposes

VARIABLE
```
(S10_Q27a.Contains(1) || S10_Q27b.Contains(1)?1:0) + (S10_Q27a.Contains(2) || S10_Q27b.Contains(2)?1:0) + ((S10_Q27a.ContainsAny(3,4,5,6,7,8) || S10_Q27b.ContainsAny(3,4,5,6,7,8)) && Holding_TYPE==1?2
```

[And 154 other symbols [7]](#)

LONG   LENGTH_S10_Q27

VARIABLE
```
(IsAnswered(S10_Q28)?1:0) + (IsAnswered(S10_Q29)?1:0) +
(IsAnswered(S10_Q31)?1:0) + (IsAnswered(S10_Q32)?1:0) +
(IsAnswered(S10_Q34)?1:0)
```

LONG   Count_S10_Q27

S10_Q28. On a typical fishing day, what is the percentage share of the fished %rostertitle% used in unprocessed form for your household consumption?

I * Include natural and processed * In %
E S10_Q27a.Contains(1) || S10_Q27b.Contains(1)
V1 self.InRange(1,100)
M1 Value should be between 1 to 100%
V2 (LENGTH_S10_Q27==1 && self==100) || LENGTH_S10_Q27>1
M2 Share of fish catch must be 100% if only use selected at S10_Q27.
V3 (LENGTH_S10_Q27>1 && LENGTH_S10_Q27==Count_S10_Q27 && self==100-(S10_Q29??0)-(S10_Q31??0)-(S10_Q32??0)-(S10_Q34??0)) || LENGTH_S10_Q27 > Count_S10_Q27 || LENGTH_S10_Q27==1
M3 Sum of all use % must be equal to 100% when all use % have been informed.
V4 (LENGTH_S10_Q27>1 && LENGTH_S10_Q27>Count_S10_Q27 && self<100-(S10_Q29??0)-(S10_Q31??0)-(S10_Q32??0)-(S10_Q34??0)) || LENGTH_S10_Q27==Count_S10_Q27 || LENGTH_S10_Q27==1
M4 Sum of all use % must be lower than 100% since other uses have not been informed.
V5 (RANDOM==1 && S10_Q26a*self/100 <= 800) || (RANDOM==2 && S10_Q26b*self/100 <= 800)
M5 This seems like a high value for own-consumption. Please confirm.

NUMERIC: INTEGER   S10_Q28

- -

SPECIAL VALUES

100 All of it (100%)

075 Three quarters (75%)

050 Half (50%)

025 One quarter (25%)

S10_Q29. On a typical fishing day, what is the percentage share of the fished %rostertitle% used in unprocessed form for sale?

		NUMERIC: INTEGER	S10_Q29

I   * Include product that was preserved to be sold by the holding * In %
E   `S10_Q27a.Contains(2) || S10_Q27b.Contains(2)`
V1   `self.InRange(1,100)`
M1   Value should be between 1 to 100%
V2   `(LENGTH_S10_Q27==1 && self==100) || LENGTH_S10_Q27>1`
M2   Share of fish catch must be 100% if only use selected at S10_Q27.
V3   `(LENGTH_S10_Q27>1 && LENGTH_S10_Q27==Count_S10_Q27 && self==100-(S10_Q28??0)-(S10_Q31??0)-(S10_Q32??0)-(S10_Q34??0)) || LENGTH_S10_Q27 > Count_S10_Q27 || LENGTH_S10_Q27==1`
M3   Sum of all use % must be equal to 100% when all use % have been informed.
V4   `(LENGTH_S10_Q27>1 && LENGTH_S10_Q27>Count_S10_Q27 && self<100-(S10_Q28??0)-(S10_Q31??0)-(S10_Q32??0)-(S10_Q34??0)) || LENGTH_S10_Q27==Count_S10_Q27 || LENGTH_S10_Q27==1`
M4   Sum of all use % must be lower than 100% since other uses have not been informed.

SPECIAL VALUES

100	All of it (100%)
075	Three quarters (75%)
050	Half (50%)
025	One quarter (25%)

S10_Q30. What was the unit price for the last sale of %rostertitle%?

		NUMERIC: INTEGER	S10_Q30

I   * In riels per kg
E   `IsAnswered(S10_Q29) && S10_Q29>0`
V1   `self.InRange(CaptureFishing[@rowcode].prominkhrkg,CaptureFishing[@rowcode].promaxkhrkg)`
M1   This unit sale price of %self% riels per kilogram seems to be out of the expected range. Please confirm.

S10_Q31. On a typical fishing day, what is the percentage share of the fished %rostertitle% that you processed for own use for human consumption (e.g. fish sauce, prahok, fish balls, smoked fish etc.)?

		NUMERIC: INTEGER	S10_Q31

I   * In %
E   `(S10_Q27a.ContainsAny(3,4,5,6,7,8) || S10_Q27b.ContainsAny(3,4,5,6,7,8)) && Holding_TYPE==1`
V1   `self.InRange(0,100)`
M1   Value should be between 1 to 100%
V2   `(LENGTH_S10_Q27==1 && self==100) || LENGTH_S10_Q27>1`
M2   Share of fish catch must be 100% if only use selected at S10_Q27.
V3   `(LENGTH_S10_Q27>1 && LENGTH_S10_Q27==Count_S10_Q27 && self==100-(S10_Q28??0)-(S10_Q29??0)-(S10_Q32??0)-(S10_Q34??0)) || LENGTH_S10_Q27 > Count_S10_Q27 || LENGTH_S10_Q27==1`
M3   Sum of all use % must be equal to 100% when all use % have been informed.
V4   `(LENGTH_S10_Q27>1 && LENGTH_S10_Q27>Count_S10_Q27 && self<100-(S10_Q28??0)-(S10_Q29??0)-(S10_Q32??0)-(S10_Q34??0)) || LENGTH_S10_Q27==Count_S10_Q27 || LENGTH_S10_Q27==1`
M4   Sum of all use % must be lower than 100% since other uses have not been informed.

SPECIAL VALUES

100	All of it (100%)
075	Three quarters (75%)
050	Half (50%)
025	One quarter (25%)
000	Not consumed at all

S10_Q32. On a typical fishing day, what is the percentage share of the fished %rostertitle% that you processed for sale (e.g. fish sauce, prahok, fish balls, smoked fish, canned, filleted etc.)?	NUMERIC: INTEGER S10_Q32

I   * In %
E   `S10_Q27a.ContainsAny(3,4,5,6,7,8) || S10_Q27b.ContainsAny(3,4,5,6,7,8)`
V1   `self.InRange(0,100)`
M1   Value should be between 0 to 100%
V2   `(LENGTH_S10_Q27==1 && self==100) || LENGTH_S10_Q27>1`
M2   Share of fish catch must be 100% if only use selected at S10_Q27.
V3   `(LENGTH_S10_Q27>1 && LENGTH_S10_Q27==Count_S10_Q27 && self==100-(S10_Q28??0)-(S10_Q31??0)-(S10_Q29??0)-(S10_Q34??0)) || LENGTH_S10_Q27 > Count_S10_Q27 || LENGTH_S10_Q27==1`
M3   Sum of all use % must be equal to 100% when all use % have been informed.
V4   `(LENGTH_S10_Q27>1 && LENGTH_S10_Q27>Count_S10_Q27 && self<100-(S10_Q28??0)-(S10_Q31??0)-(S10_Q29??0)-(S10_Q34??0)) || LENGTH_S10_Q27==Count_S10_Q27 || LENGTH_S10_Q27==1`
M4   Sum of all use % must be lower than 100% since other uses have not been informed.

SPECIAL VALUES

100	All of it (100%)
075	Three quarters (75%)
050	Half (50%)
025	One quarter (25%)

S10_Q33. What was the unit price for the last sale of processed %rostertitle%?	NUMERIC: INTEGER S10_Q33

I   * In riels per kg
E   `IsAnswered(S10_Q32) && S10_Q32>0`
V1   `self>=100`
M1   Must be higher than 100 riels per kg.

S10_Q34. On a typical fishing day, what is the percentage share of the fished %rostertitle% that you use for other purposes (used as pay for labour, given for inputs or service, gifts, etc.)?	NUMERIC: INTEGER S10_Q34

I   * In %
E   `S10_Q27a.Contains(88) || S10_Q27b.Contains(88)`
V1   `self.InRange(1,100)`
M1   Value should be between 1 to 100%
V2   `(LENGTH_S10_Q27==1 && self==100) || LENGTH_S10_Q27>1`
M2   Share of fish catch must be 100% if only use selected at S10_Q27.
V3   `(LENGTH_S10_Q27>1 && LENGTH_S10_Q27==Count_S10_Q27 && self==100-(S10_Q28??0)-(S10_Q31??0)-(S10_Q32??0)-(S10_Q29??0)) || LENGTH_S10_Q27 > Count_S10_Q27 || LENGTH_S10_Q27==1`
M3   Sum of all use % must be equal to 100% when all use % have been informed.
V4   `(LENGTH_S10_Q27>1 && LENGTH_S10_Q27>Count_S10_Q27 && self<100-(S10_Q28??0)-(S10_Q31??0)-(S10_Q32??0)-(S10_Q29??0)) || LENGTH_S10_Q27==Count_S10_Q27 || LENGTH_S10_Q27==1`
M4   Sum of all use % must be lower than 100% since other uses have not been informed.

SPECIAL VALUES

100	All of it (100%)
075	Three quarters (75%)
050	Half (50%)
025	One quarter (25%)

STATIC TEXT

Now please think about your total %rostertitle% catch %REFPERIOD% ?

S10_Q35. How did the catch of %rostertitle% %REFPERIOD% compare with the previous year?	SINGLE-SELECT S10_Q35
	01 ○ Similar
	02 ○ Greater
	03 ○ Lower

SECTION 11: ECONOMY DURING 1 JULY 2023 THROUGH 30 JUNE 2024

E `ELIGIBLE==1`

SECTION 11: ECONOMY DURING 1 JULY 2023 THROUGH 30 JUNE 2024
OTHER ACTIVITIES OF THE HOLDING

S11_Q01. Indicate other activities engaged in by the farm during 1 July 2023 through 30 June 2024, that are not about processing crops, livestock, poultry or fish products. I * Select all that apply V1 `self.ContainsOnly(0) || (!self.ContainsAny(0) && self.Length>=1)` M1 Cannot have "None" and another response. Please correct.	MULTI-SELECT S11_Q01 01 ☐ Work for other holdings using the production means (including equipment) of this holding 02 ☐ Making handicrafts 00 ☐ None

---

SECTION 11: ECONOMY DURING 1 JULY 2023 THROUGH 30 JUNE 2024 / OTHER ACTIVITIES OF THE HOLDING
Roster: OTHER ACTIVITIES - %ROSTERTITLE%
generated by multi-select question S11_Q01   S11_OTHER

E `@rowcode!=0`

S11_Q02. Was the contribution of the %rostertitle% to the holding's total income during 1 July 2023 through 30 June 2024 significant?	SINGLE-SELECT S11_Q02 01 ◯ Yes 00 ◯ No
S11_Q03. Would you say that the contribution of %rostertitle% to the holding's income is similar, greater or lower than during the previous year?	SINGLE-SELECT S11_Q03 01 ◯ Similar 02 ◯ Greater 03 ◯ Lower
S11_Q04. Was the holding engaged in forest products collection, such as wild fruits, honey, wood, mushrooms, wild animals, medicinal plants, etc., from 1 July 2023 to 30 June 2024? I * Include activities conducted by the holder, co-holder, or any other occupants of the holding * On or off the holding	SINGLE-SELECT S11_Q04 01 ◯ Yes 00 ◯ No

S11_Q05. Identify the forestry-related products collected or produced.

I * Select all that apply.
E S11_Q04==1

01	☐ Timbers
02	☐ Energy wood (biomass wood used for energy - heating, cooking)
03	☐ Bamboo harvested for building purpose
04	☐ Plants harvested for garden purpose (orchids, palms, etc.)
05	☐ Non-timber forest products (rattan, leaves, strings, brooms, palm thatch, etc.)
06	☐ Other wood products (oils, resins, etc.)
07	☐ Medicinal plants
08	☐ Charcoal making
09	☐ Jackfruit
10	☐ Mushrooms
11	☐ Honey
12	☐ Tea leaves
13	☐ Other edibles (other fruits, bamboo shoots, leaves, etc.)
14	☐ Ornamental flowers
15	☐ Snails
16	☐ Wild birds

And 11 other symbols [10]

SECTION 11: ECONOMY DURING 1 JULY 2023 THROUGH 30 JUNE 2024 / OTHER ACTIVITIES OF THE HOLDING

Roster: FOREST ACTIVITIES - %ROSTERTITLE%

generated by multi-select question S11_Q05   S11_FOREST

S11_Q06. Is the land from where %rostertitle% was collected part of this holding?

01	◯ Yes, all of it
02	◯ Yes, part of it
00	◯ No

S11_Q07. For how many months has your holding collected or produced %rostertitle% during 1 July 2023 through 30 June 2024?

V1 self.InRange(1,12)
M1 Must be comprised between 1 and 12.

- -

S11_Q08. During those months, how many days per month did your holding collect %rostertitle% on average?	NUMERIC: INTEGER S11_Q08
V1 `self.InRange(1,31)` M1 Must be comprised between 1 and 31.	

S11_Q09. On a typical day in which your holding collected %rostertitle%, how much did you collect?	NUMERIC: DECIMAL S11_Q09
V1 `self>0` M1 Must be higher 0.	

S11_Q09_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.	SINGLE-SELECT S11_Q09_unit
F `(@optioncode==1 && @rowcode.InList(1,2,3,4,5,6,7,8,9,10,13,15,16,17, 18,20,21,22,26,88))|| (@optioncode==2 && @rowcode.InList(1,2,3,5,8, 13,88))|| (@optioncode==3 && @rowcode.InList(11,17,88))|| (@opt` And 294 other symbols [2] E `IsAnswered(S11_Q09) && S11_Q09>0`	01 ◯ Kilogram 02 ◯ Cubic meter 03 ◯ Litre 04 ◯ Stere 05 ◯ Tree 06 ◯ Bunch 07 ◯ Number 08 ◯ Ton

S11_Q10. How much %rostertitle% is used/consumed by your household on a typical day?	NUMERIC: DECIMAL S11_Q10
I * In %S11_Q09_unit% E `Holding_TYPE==1` V1 `self.InRange(0,S11_Q09)` M1 Must be comprised between 0 and %S11_Q09% %S11_Q09_unit%.	

S11_Q11. How much %rostertitle% is sold/traded by your holding on a typical day?	NUMERIC: DECIMAL S11_Q11
I * In %S11_Q09_unit% E `(Holding_TYPE==1 && S11_Q10<S11_Q09) || Holding_TYPE==2` V1 `self + (S11_Q10 ?? 0) <= S11_Q09` M1 The sum of products consumed and sold must be lower or equal to %S11_Q09% %S11_Q09_unit%.	

S11_Q12. What is the average price per %S11_Q09_unit% of %rostertitle%?	NUMERIC: INTEGER S11_Q12
I * In riels * Use the price of the most recent sale; estimate price in case of trade/barter E `IsAnswered(S11_Q11) && S11_Q11>0` V1 `self>=500` M1 Please record a valid monetary value.	

S11_Q13. Would you say that the contribution of %rostertitle% to the holding's income is similar, greater or lower than during the previous year?	SINGLE-SELECT S11_Q13
E `IsAnswered(S11_Q11) && S11_Q11>0`	01 ◯ Similar 02 ◯ Greater 03 ◯ Lower

S11_Q14. What share of the household's total income is accounted for by agricultural income (income from crops, livestock, poultry, aquaculture)?	SINGLE-SELECT	S11_Q14
E `Holding_TYPE==1`	01 ○ None/close to 0 (Less than 10%) 02 ○ Less than half (10%-39%) 03 ○ About half (40%-59%) 04 ○ Most/almost all (60%-99%) 05 ○ All (100%)	

S11_Q15. Is this share similar, greater or lower than during the previous year?	SINGLE-SELECT	S11_Q15
E `Holding_TYPE==1`	01 ○ Similar 02 ○ Greater 03 ○ Lower	

SECTION 11: ECONOMY DURING 1 JULY 2023 THROUGH 30 JUNE 2024 / OTHER ACTIVITIES OF THE HOLDING

Roster: PRODUCE SALES MARKETS - %ROSTERTITLE%
generated by fixed list

S11_PRODUCE_SALES_MARKETS

01 Crops

02 Livestock/Poultry

03 Aquaculture produce/Capture fishing

E `(@rowcode==1 && S4_PARCELHOMELOT.Count(x=>x.S4_CROP.Any(y=>IsAnswered(y.S4_Q27)))>0) || (@rowcode==1 && S4_PARCELHOMELOT.Count(x=>x.S4_CROP.Any(y=>IsAnswered(y.S4_Q46)))>0) || (@rowcode==2 && S7_LIVES` And 358 other symbols [4]

S11_Q16. Where do you sell your %rostertitle%?	MULTI-SELECT	S11_Q16
I * Select all that apply.	01 ☐ Directly to end consumers 02 ☐ To a local trader 03 ☐ To a wholesaler 04 ☐ To a retailer 05 ☐ To a contract buyer 06 ☐ To a producer group/farmers association/cooperative 07 ☐ To other middlemen/collectors 88 ☐ Other	

S11_Q17. How often did you sell the %rostertitle% during 1 July 2023 through 30 June 2024?	SINGLE-SELECT	S11_Q17
	01 ○ Daily 02 ○ Weekly 03 ○ Every two weeks 04 ○ Monthly 05 ○ Less frequently than monthly	

S11_Q18. How far do you travel on average to sell your %rostertitle%?

I * Distance in kilometers. Enter 0 if sold from the holding collected from the holding.
E `S11_Q16.ContainsAny(2,3,4,5,6,7,88)`
V1 `self.InRange(0,100)`
M1 This distance is unlikely, please confirm.

NUMERIC: INTEGER   S11_Q18

- -

S11_Q19. What means of transportation do you most often use to transport %rostertitle% to your buyer?

E `S11_Q18> 0`

SINGLE-SELECT   S11_Q19

- 01 ○ Bicycle/cyclo
- 02 ○ Pushcart
- 03 ○ Animal draught
- 04 ○ Private car/hand tractor/tractor
- 05 ○ Private motorbike/moto cycle truck/ Tuktuk
- 06 ○ Rented/hired transport
- 88 ○ Other

S11_Q20. Was the holding covered by an agricultural products collection network during 1 July 2023 and 30 June 2024?

E `Holding_TYPE==1`

SINGLE-SELECT   S11_Q20

- 01 ○ Yes
- 00 ○ No

S11_Q21. During the dry season, how much would your holding spend on average per month on fuel for agricultural machinery, equipment, and vehicles?

I * In riels. * Please record 0 if no expenditure.
V1 `self==0 || self>=2000`
M1 Spend on fuel for agricultural at least 2000 Riels or more. Please correct.

NUMERIC: INTEGER   S11_Q21

- -

S11_Q22. During the rainy season, how much would your holding spend on average per month on fuel for agricultural machinery, equipment, and vehicles?

I * In riels. *Please record 0 if no spend
V1 `self==0 || self>=2000`
M1 Spend on fuel for agricultural at least 2000 Riels or more. Please correct.

NUMERIC: INTEGER   S11_Q22

- -

S11_Q23. Are any members of the holding involved in any formal or informal farmers' community/association?

I * Formal implies registered with government
E `Holding_TYPE==1`

SINGLE-SELECT   S11_Q23

- 01 ○ Yes
- 00 ○ No

S11_Q24. What are the focuses of the associations the holding is involved with? I * Select all that apply. E S11_Q23==1	MULTI-SELECT S11_Q24 01 ☐ Crops growing 02 ☐ Livestock raising 03 ☐ Poultry raising 04 ☐ Capture fishing 05 ☐ Aquaculture 06 ☐ Forestry activities 07 ☐ Farming economic and adminsitrative management 08 ☐ Environmental concerns 88 ☐ Other
S11_Q25. What communications services and systems that were available to the holding during 1 July 2023 and 30 June 2024? I * Select all that apply E Holding_TYPE==1 V1 self.ContainsOnly(0) || (!self.ContainsAny(0) && self.Length>=1) M1 Cannot selected "None of the above" with any other codes.	MULTI-SELECT S11_Q25 01 ☐ Internet 02 ☐ Telephone 03 ☐ Radio 04 ☐ Television 00 ☐ None of the above
S11_Q26. Which communications services were accessed by the holding during 1 July 2023 and 30 June 2024? I * Select all that apply F S11_Q25.Contains(@optioncode) || @optioncode==0 E S11_Q25.ContainsAny(1,2,3,4) V1 self.ContainsOnly(0) || (!self.ContainsAny(0) && self.Length>=1) M1 Cannot selected "None of the above" with any other codes.	MULTI-SELECT S11_Q26 01 ☐ Internet 02 ☐ Telephone 03 ☐ Radio 04 ☐ Television 00 ☐ None of the above
S11_Q27. Which communications services were used for the business and agricultural activities of the holding during 1 July 2023 and 30 June 2024? I * Select all that apply F S11_Q26.Contains(@optioncode) || @optioncode==0 E S11_Q26.ContainsAny(1,2,3,4) V1 self.ContainsOnly(0) || (!self.ContainsAny(0) && self.Length>=1) M1 Cannot selected "None of the above" with any other codes.	MULTI-SELECT S11_Q27 01 ☐ Internet 02 ☐ Telephone 03 ☐ Radio 04 ☐ Television 00 ☐ None of the above

SECTION 12: MACHINERY AND EQUIPMENT

E   ELIGIBLE==1

S12_Q01. Which of the following Manually Operated Equipment did your holding use during 1 July 2023 through 30 June 2024?

I   * Please select as many as apply

V1   self.ContainsOnly(0) || (!self.ContainsAny(0) && self.Length>=1)

M1   Cannot selected "None of the above" with any other codes.

MULTI-SELECT   S12_Q01

- 01 ☐ Seed/fertilizer drills
- 02 ☐ Transplanters
- 03 ☐ Threshers
- 04 ☐ Winnowers
- 05 ☐ Sprayers
- 06 ☐ Hand pumps or other hand irrigation devices
- 00 ☐ None of the above

SECTION 12: MACHINERY AND EQUIPMENT

Roster: ROSTER: MANUALLY EQUIPMENTS - %ROSTERTITLE%

generated by multi-select question S12_Q01

S12_equipments

E   !S12_Q01.Contains(0)

S12_Q02.How many %rostertitle% were OWNED by the holding as of 1 July 2024?

I   * Please report the number %rostertitle% OWNED

V1   self>=0

M1   Number of %rostertitle% must be equal or greater than 0, please correct.

NUMERIC: INTEGER   S12_Q02

- .

S12_Q03. Which of the following Animal-powered equipment did your holding use during 1 July 2023 through 30 June 2024?

I   * Please select as many as apply

V1   self.ContainsOnly(0) || (!self.ContainsAny(0) && self.Length>=1)

M1   Cannot selected "None of the above" with any other codes.

MULTI-SELECT   S12_Q03

- 01 ☐ Wooden ploughs
- 02 ☐ Steel ploughs
- 03 ☐ Cultivators
- 04 ☐ Seed/fertilizer drills
- 05 ☐ Levellers
- 06 ☐ Animal carts
- 00 ☐ None of the above

SECTION 12: MACHINERY AND EQUIPMENT

Roster: ROSTER: ANIMAL EQUIPMENT - %ROSTERTITLE%

generated by multi-select question S12_Q03

S12_animal_equipments

E   !S12_Q03.Contains(0)

S12_Q04. How many %rostertitle% were OWNED by the holding as of 1 July 2024?

I   * Please report the number %rostertitle% OWNED.

V1   self>=0

M1   Number of %rostertitle% must be equal or greater than 0. Please correct!

NUMERIC: INTEGER   S12_Q04

- .

S12_Q05. What was the average age of all %ros tertitle% OWNED as of 1 July 2024?

I   * Please report the average age in years of all %rostertitle% owned

E   S12_Q04>0

V1   self>0

M1   Please record 1 year if %rostertitle% just received less than 12 months ago.

NUMERIC: INTEGER   S12_Q05

- .

S12_Q06. Which of the following Machine-powered Irrigation equipment did your holding use during 1 July 2023 through 30 June 2024?

I   * Please select as many as apply

V1   self.ContainsOnly(0) || (!self.ContainsAny(0) && self.Length>=1)

M1   Cannot selected "None of the above" with any other codes.

MULTI-SELECT   S12_Q06

01   ☐ Water pumps

02   ☐ Drip irrigation equipment

03   ☐ Sprinkler irrigation equipment

00   ☐ None of the above

SECTION 12: MACHINERY AND EQUIPMENT

Roster: ROSTER: MACHINE-POWERED IRRIGATION EQUIPMENT - %ROSTERTITLE%

generated by multi-select question S12_Q06   S12_machine_equipments

E   !S12_Q06.Contains(0)

S12_Q07. How many %rostertitle% were OWNED by the holding as of 1 July 2024?

I   * Please report the number %rostertitle% OWNED

V1   self>=0

M1   Number of %rostertitle% must be equal or greater than 0. Please correct!

NUMERIC: INTEGER   S12_Q07

- .

S12_Q08. What was the average age of all %ros tertitle% OWNED as of 1 July 2024?

I   * Please report the average age in years of all %rostertitle% owned

E   S12_Q07>0

V1   self>0

M1   Please record 1 year if %rostertitle% just recieved less than 12 months.

NUMERIC: INTEGER   S12_Q08

- .

S12_Q09. Which of the following General Farm Machines and Equipment did your holding use during 1 July 2023 through 30 June 2024?

I   * Please select as many as apply

V1   self.ContainsOnly(0) || (!self.ContainsAny(0) && self.Length>=1)

M1   Cannot selected "None of the above" with any other codes.

MULTI-SELECT   S12_Q09

01   ☐ Generators for the production of electricity

02   ☐ Computers, laptops, tablets or smart phones used for farm management

03   ☐ Solar panel electricity (for any use)

04   ☐ Drone

00   ☐ None of the above

SECTION 12: MACHINERY AND EQUIPMENT

Roster: ROSTER: GENERAL FARM MACHINES - %ROSTERTITLE%

generated by multi-select question S12_Q09   S12_general_machines

E   !S12_Q09.Contains(0)

The next questions will ask you how many %rostertitle% you OWNED, CO-OWNED and RENTED during 1 July 2023 through 30 June 2024.

S12_Q10. How many %rostertitle% were OWNED by the holding as of 1 July 2024?

NUMERIC: INTEGER   S12_Q10

I   * Please report the number %rostertitle% OWNED. Please record 0 if none.

V1   self>=0

M1   Number of %rostertitle% must be equal or greater than 0, please correct.

- .

S12_Q11. What was the average age of all %rostertitle% OWNED as of 1 July 2024?

NUMERIC: INTEGER   S12_Q11

I   * Please report the average age in years of all %rostertitle% owned

E   S12_Q10>0

V1   self>=0

M1   Please record 1 year if %rostertitle% just received less than 12 months ago.

- .

S12_Q12. How many %rostertitle% were CO-OWNED by the holding as of 1 July 2024?

NUMERIC: INTEGER   S12_Q12

I   * Please report the number %rostertitle% CO-OWNED. Please record 0 if none.

V1   self>=0

M1   Number of %rostertitle% must be equal or greater than 0, please correct.

- .

S12_Q13. How many %rostertitle% were RENTED by the holding as of 1 July 2024?

NUMERIC: INTEGER   S12_Q13

I   * Please report the number %rostertitle% RENTED. Please record 0 if none.

V1   S12_Q10+S12_Q12+S12_Q13>0

M1   Number of %rostertitle% should at least be 1 in S12_Q10, S12_Q12 or S12_Q13. Please correct.

- .

S12_Q14. Please confirm the number of %rostertitle% used as of 1 July 2024 was %Total_general_machines%?

SINGLE-SELECT   S12_Q14

01   ○ Yes

00   ○ No

V1   self==1

M1   Please go back and check number of %rostertitle% in questions S12_Q10, S12_Q12, S12_Q13 again and correct.

VARIABLE

S12_Q10 + S12_Q12 + S12_Q13

LONG   Total_general_machines

S12_Q15. Which of the following Tractors, Bulldozers and Other Vehicles did your holding use during 1 July 2023 through 30 June 2024?

MULTI-SELECT   S12_Q15

I   * Please select as many as apply

V1   self.ContainsOnly(0) || (!self.ContainsAny(0) && self.Length>=1)

M1   Cannot selected "None of the above" with any other codes.

01   ☐ Track-laying tractors

02   ☐ Four-wheel drive tractors

03   ☐ Two-wheel drive tractors/Hand tractor

04   ☐ Bulldozers

05   ☐ Trucks

06   ☐ Boats

07   ☐ Trailers

00   ☐ None of the above

Roster: TRACTORS BULLDOZERS AND OTHER VEHICLES - %ROSTERTITLE%
generated by multi-select question S12_Q15

S12_heavy_machinery

E !S12_Q15.Contains(0)

STATIC TEXT

The next questions will ask you how many %rostertitle% you OWNED, CO-OWNED and RENTED during 1 July 2023 through 30 June 2024.

S12_Q16. How many %rostertitle% were OWNED by the holding as of 1 July 2024? I * Please report the number%rostertitle% OWNED. Please record 0 if none. V1 self>=0 M1 Number of %rostertitle% must be equal or greater than 0, please correct.	NUMERIC: INTEGER S12_Q16 — — — — — — — — — — — — — — — — —
S12_Q17. What was the average age of all %rostertitle% OWNED as of 1 July 2024? I * Please report the average age in years of all %rostertitle% owned E S12_Q16>0 V1 self>0 M1 Please record 1 year if %rostertitle% just received less than 12 months ago.	NUMERIC: INTEGER S12_Q17 — — — — — — — — — — — — — — — — —
S12_Q18. How many %rostertitle% were CO-OWNED by the holding as of 1 July 2024? I * Please report the number %rostertitle% CO-OWNED. Please record 0 if none. V1 self>=0 M1 Number of %rostertitle% must be equal or greater than 0, please correct.	NUMERIC: INTEGER S12_Q18 — — — — — — — — — — — — — — — — —
S12_Q19. How many %rostertitle% were RENTED by the holding as of 1 July 2024? I * Please report the number of %rostertitle% RENTED. Please record 0 if none. V1 S12_Q16 + S12_Q18 + S12_Q19>0 M1 Number of %rostertitle% should at least be 1 in S12_Q16, S12_Q18 or S12_Q19. Please correct.	NUMERIC: INTEGER S12_Q19 — — — — — — — — — — — — — — — — —
S12_Q20. Please confirm the number of %rostertitle% used as of 1 July 2024 was %Total_tractor_bulldozer_vehicle% ? V1 self==1 M1 Please go back and check number of %rostertitle% in questions S12_Q16, S12_Q18, S12_Q19 and correct.	SINGLE-SELECT S12_Q20 01 ○ Yes 00 ○ No
VARIABLE S12_Q16 + S12_Q18 + S12_Q19	LONG Total_tractor_bulldozer_vehicle

S12_Q21. Which of the following Machine-pow ered Land preparation and Planting equipment did your holding use during 1 July 2023 throug h 30 June 2024?

I   * Please select as many as apply

V1   self.ContainsOnly(0) || (!self.ContainsAny(0) && self.Le ngth>=1)

M1   Cannot selected "None of the above" with any other codes.

MULTI-SELECT   S12_Q21

01 ☐ Ploughs
02 ☐ Power tillers
03 ☐ Rotary harrows
04 ☐ Cultivators
05 ☐ Levellers
06 ☐ Grain drills
07 ☐ Seed/fertilizer drills
08 ☐ Broadcast seeders
09 ☐ Planters
10 ☐ Transplanters
00 ☐ None of the above

SECTION 12: MACHINERY AND EQUIPMENT

Roster: MACHINE-POWERED LAND PREPARATION AND PLANTING EQUIPMENT - %ROSTERTITLE%

generated by multi-select question S12_Q21   S12_machine_powered

E   !S12_Q21.Contains(0)

STATIC TEXT

The next questions will ask you how many %rostertitle% you OWNED, CO-OWNED and RENTED during 1 July 2023 through 30 June 2024.

S12_Q22. How many %rostertitle% were OWNE D by the holding as of 1 July 2024?

I   * Please report the number%rostertitle% OWNED. Please record 0 if none.

V1   self>=0

M1   Number of %rostertitle% must be equal or greater than 0, please correct.

NUMERIC: INTEGER   S12_Q22

- .

S12_Q23. What was the average age of all %ros tertitle% OWNED as of 1 July 2024?

I   * Please report the average age in years of all %rostertitle% owned.

E   S12_Q22>0

V1   self>0

M1   Please record 1 year if %rostertitle% just received less than 12 months ago.

NUMERIC: INTEGER   S12_Q23

- .

S12_Q24. How many %rostertitle% were CO-O WNED as of 1 July 2024?

I   * Please report the number %rostertitle% CO-OWNED. Please record 0 if none.

V1   self>=0

M1   Number of %rostertitle% must be equal or greater than 0, please correct.

NUMERIC: INTEGER   S12_Q24

- .

S12_Q25. How many %rostertitle% were RENTE D by the holding as of 1 July 2024?

I   * Please report the number %rostertitle% RENTED. Please record 0 if none.

V1   S12_Q22 + S12_Q24 + S12_Q25>0

M1   Number of %rostertitle% should at least be 1 in S12_Q22, S12_Q24 or S12_Q25. Please correct.

NUMERIC: INTEGER   S12_Q25

- .

S12_Q26. Please confirm the number of %rostertitle% used as of 1 July 2024 was %Total_machine_powered% ?	SINGLE-SELECT S12_Q26
V1 `self==1` M1 Please go back and check number font color="fuchsia">%rostertitle% in questions S12_Q22, S12_Q24, S12_Q25 and correct.	01 ⭕ Yes 00 ⭕ No

VARIABLE `S12_Q22 + S12_Q24 + S12_Q25`	LONG Total_machine_powered

S12_Q27. Which of the following Machine-powered Crop Maintenance Equipment did your holding use during 1 July 2023 through 30 June 2024??	MULTI-SELECT S12_Q27
I * Please select as many as apply V1 `self.ContainsOnly(0) || (!self.ContainsAny(0) && self.Length>=1)` M1 Cannot selected "None of the above" with any other codes.	01 ☐ Fertilizer broadcasters 02 ☐ Sprayers 00 ☐ None of the above

SECTION 12: MACHINERY AND EQUIPMENT

Roster: MACHINE-POWERED CROP MAINTENANCE-EQUIPMENT - %ROSTERTITLE% - %ROSTERTITLE%
generated by multi-select question S12_Q27

S12_machine_powercrops

E `!S12_Q27.Contains(0)`

STATIC TEXT

The next questions will ask you how many %rostertitle% you OWNED, CO-OWNED and RENTED during 1 July 2023 through 30 June 2024?

S12_Q28. How many %rostertitle% were OWNED by the holding as of 1 July 2024?	NUMERIC: INTEGER S12_Q28
I * Please report the number%rostertitle% OWNED. Please record 0 if none. V1 `self>=0` M1 Number of %rostertitle% must be equal or greater than 0, please correct.	- -

S12_Q29. What was the average age of all %rostertitle% OWNED as of 1 July 2024?	NUMERIC: INTEGER S12_Q29
I * Please report the average age in years of all %rostertitle% owned. E `S12_Q28>0` V1 `self>0` M1 Please record 1 year if %rostertitle% just received less than 12 months ago.	- -

S12_Q30. How many %rostertitle% were CO-OWNED by the holding as of 1 July 2024?	NUMERIC: INTEGER S12_Q30
I * Please report the number %rostertitle% CO-OWNED. Please record 0 if none. V1 `self>=0` M1 Number of %rostertitle% must be equal or greater than 0, please correct.	- -

S12_Q31. How many %rostertitle% were RENTED by the holding as of 1 July 2024?	NUMERIC: INTEGER S12_Q31
I * Please report the number%rostertitle% RENTED. Please rocord 0 if none. V1 `S12_Q28 + S12_Q30 + S12_Q31>0` M1 Number of %rostertitle% should at least be 1 in S12_Q28, S12_Q30 or S12_Q31. Please correct.	- -

S12_Q32. Please confirm the number of %roste rtitle% used as of 1 July 2024 was %Total_machi ne_powercrops%?	SINGLE-SELECT	S12_Q32
V1 self==1	01 ◯ Yes	
M1 Please go back and check number font color="fuchsia">%rostertitle%< /font> in questions S12_Q28, S12_Q30, S12_Q31 and correct.	00 ◯ No	

VARIABLE S12_Q28 + S12_Q30 + S12_Q31	LONG	Total_machine_powercrops

S12_Q33. Which of the following Machine-pow ered Crop Harvesting Equipment did your holdi ng use during 1 July 2023 through 30 June 2024 ?	MULTI-SELECT	S12_Q33
I * Please select as many as apply	01 ☐ Mowers for grass crops	
V1 self.ContainsOnly(0) || (!self.ContainsAny(0) && self.Le ngth>=1)	02 ☐ Hay balers	
	03 ☐ Forage blowers	
M1 Cannot selected "None of the above" with any other codes.	04 ☐ Combine harvesters	
	00 ☐ None of the above	

SECTION 12: MACHINERY AND EQUIPMENT

Roster: MACHINE-POWERED CROP HARVESTING-EQUIPMENT - %ROSTERTITLE%
generated by multi-select question S12_Q33

S12_machine_crop_harvest

E !S12_Q27.Contains(0)

STATIC TEXT	
The next questions will ask you how many %rostertitle% you OWNED, CO-OWNED and RENTED during 1 July 2023 through 30 June 2024.	

S12_Q34. How many %rostertitle% were OWNE D by the holding as of 1 July 2024?	NUMERIC: INTEGER	S12_Q34
I * Please report the number%rostertitle% OWNED. Please record 0 if none.	– .	
V1 self>=0		
M1 Number of %rostertitle% must be equal or greater than 0, please correct.		

S12_Q35. What was the average age of all %ros tertitle% OWNED as of 1 July 2024?	NUMERIC: INTEGER	S12_Q35
I * Please report the average age in years of all% rostertitle% owned	– .	
E S12_Q34>0		
V1 self>0		
M1 Please record 1 year if %rostertitle% just received less than 12 months ago.		

S12_Q36. How many %rostertitle% were CO-O WNED by the holding as of 1 July 2024?	NUMERIC: INTEGER	S12_Q36
I * Please report the number %rostertitle% CO-OWNED. Please record 0 if none.	– .	
V1 self>=0		
M1 Number of %rostertitle% must be equal or greater than 0, please correct.		

S12_Q37. How many %rostertitle% were RENTE D by the holding as of 1 July 2024?	NUMERIC: INTEGER	S12_Q37
I * Please report the number %rostertitle% RENTED. Please record 0 if none.	– .	
V1 S12_Q34 + S12_Q36 + S12_Q37>0		
M1 Number of %rostertitle% should at least be 1 in S12_Q34, S12_Q36 or S12_Q37. Please correct.		

S12_Q38. Please confirm the number of %rostertitle% used as of 1 July 2024 was%Total_machine_crop_harvest%?	SINGLE-SELECT S12_Q38
V1 `self==1` M1 Please go back and check number `<font color="fuchsia">%rostertitle%</font>` in questions S12_Q34, S12_Q36, S12_Q37 again correct.	01 ⭕ Yes 00 ⭕ No
VARIABLE `S12_Q34 + S12_Q36 + S12_Q37`	LONG `Total_machine_crop_harvest`

S12_Q39. Which of the following Machine-powered Post Harvest Equipment did your holding use during 1 July 2023 through 30 June 2024?	MULTI-SELECT S12_Q39
I * Please select as many as apply V1 `self.ContainsOnly(0) || (!self.ContainsAny(0) && self.Length>=1)` M1 Cannot selected "None of the above" with any other codes.	01 ☐ Threshers 02 ☐ Grain cleaners 03 ☐ Sorters and graders 00 ☐ None of the above

SECTION 12: MACHINERY AND EQUIPMENT

Roster: MACHINE-POWERED CROP POST HARVESTING EQUIPMENT - %ROSTERTITLE%
generated by multi-select question S12_Q39   `S12_machine_postharvest`

E   `!S12_Q39.Contains(0)`

STATIC TEXT

The next questions will ask you how many %rostertitle% you OWNED, CO-OWNED and RENTED during 1 July 2023 through 30 June 2024.

S12_Q40. How many %rostertitle% were OWNED by the holding as of 1 July 2024?	NUMERIC: INTEGER S12_Q40
I * Please report the number `<font color="fuchsia">%rostertitle%</font>` OWNED. Please record 0 if none. V1 `self>=0` M1 Number of `<font color="fuchsia">%rostertitle%</font>` must be equal or greater than 0, please correct.	- .

S12_Q41. What was the average age of all %rostertitle% OWNED as of 1 July 2024?	NUMERIC: INTEGER S12_Q41
I * Please report the average age in years of all `<font color="fuchsia">%rostertitle%</font>` owned E `S12_Q40>0` V1 `self>0` M1 Please record 1 year if `<font color="fuchsia">%rostertitle%</font>` just received less than 12 months ago.	- .

S12_Q42. How many %rostertitle% were CO-OWNED by the holding as of 1 July 2024?	NUMERIC: INTEGER S12_Q42
I * Please report the number `<font color="fuchsia">%rostertitle%</font>` CO-OWNED. Please record 0 if none. V1 `self>=0` M1 Number of `<font color="fuchsia">%rostertitle%</font>` must be equal or greater than 0, please correct.	- .

S12_Q43. How many %rostertitle% were RENTED by the holding as of 1 July 2024?	NUMERIC: INTEGER S12_Q43
I * Please report the number `<font color="fuchsia">%rostertitle%</font>` RENTED. Please record 0 if none. V1 `S12_Q40 + S12_Q42 + S12_Q43>0` M1 Number of `<font color="fuchsia">%rostertitle%</font>` should at least be 1 in S12_Q40, S12_Q42 or S12_Q43. Please correct.	- .

S12_Q44. Please confirm the number of %roste rtitle% used as of 1 July 2024 was %Total_machi ne_postharvest% ? V1 `self==1` M1 Please go back and check number %rostertitle% in questions S12_Q40, S12_Q42, S12_Q43 again correct.	SINGLE-SELECT S12_Q44 01 ◯ Yes 00 ◯ No
VARIABLE `S12_Q40 + S12_Q42 + S12_Q43`	LONG Total_machine_postharvest

S12_Q45. Which of the following Machine-pow ered Livestock Production Equipment did your holding use during 1 July 2023 through 30 June 2024? I * Please select as many as apply V1 `self.ContainsOnly(0) || (!self.ContainsAny(0) && self.Le ngth>=1)` M1 Cannot selected "None of the above" with any other codes.	MULTI-SELECT S12_Q45 01 ☐ Milking machines 02 ☐ Milk coolers 03 ☐ Cream separators 04 ☐ Other dairy equipment (pac king, etc.) 05 ☐ Incubators 06 ☐ Beekeeping equipment (hon ey extractors, etc.) 00 ☐ None of the above

SECTION 12: MACHINERY AND EQUIPMENT

Roster: MACHINE-POWERED LIVESTOCK PRODUCTION EQUIPMENT - %ROSTERTITLE%

generated by multi-select question S12_Q45   S12_machine_livesproduction

E `!S12_Q45.Contains(0)`

STATIC TEXT

The next questions will ask you how many %rostertitle% you OWNED, CO-OWNED and RENTED during 1 July 2023 through 30 June 2024.

S12_Q46. How many %rostertitle% were OWNE D by the holding as of 1 July 2024? I * Please report the number %rostertitle% OWNED. Please record 0 if none. V1 `self>=0` M1 Number of %rostertitle% must be equal or greater than 0, please correct.	NUMERIC: INTEGER S12_Q46 - .
S12_Q47. What was the average age of all %ros tertitle% OWNED as of 1 July 2024? I * Please report the average age in years of all %rostertitle% owned E `S12_Q46>0` V1 `self>0` M1 Please record 1 year if %rostertitle% just received less than 12 months ago.	NUMERIC: INTEGER S12_Q47 - .
S12_Q48. How many %rostertitle% were CO-O WNED by the holding as of 1 July 2024? I * Please report the number %rostertitle% CO-OWNED. Please record 0 if none. V1 `self>=0` M1 Number of %rostertitle% must be equal or greater than 0, please correct.	NUMERIC: INTEGER S12_Q48 - .

S12_Q49. How many %rostertitle% were RENTED by the holding as of 1 July 2024?	NUMERIC: INTEGER S12_Q49
I * Please report the number %rostertitle% RENTED,Please record 0 if none.	-------------------------------------
V1 S12_Q46 + S12_Q48 + S12_Q49>0	
M1 Number of %rostertitle% should at least be 1 in S12_Q46, S12_Q48 or S12_Q49. Please correct.	

S12_Q50. Please confirm the number of %rostertitle% used as of 1 July 2024 was%Total_machine_lproduction%?	SINGLE-SELECT S12_Q50
V1 self==1	01 ⚪ Yes
M1 Please go back and check number %rostertitle% in questions S12_Q46, S12_Q48, S12_Q49 again correct.	00 ⚪ No

VARIABLE S12_Q46 + S12_Q48 + S12_Q49	LONG Total_machine_lproduction

S12_Q51. Were there facilities for repairing agricultural machinery in the holding's neighbourhood from 1 July 2023 to 30 June 2024?	SINGLE-SELECT S12_Q51
	01 ⚪ Yes
	00 ⚪ No

S12_Q52. Did the holding use the repair facilities?	SINGLE-SELECT S12_Q52
E S12_Q51==1	01 ⚪ Yes
	00 ⚪ No

S12_Q53. Identify the main reason why the holding did not use the repair facilities.	SINGLE-SELECT S12_Q53
E S12_Q52==0	01 ⚪ Not necessary, because the relevant knowledge existed on the holding
	02 ⚪ Not necessary, because there was no machinery
	03 ⚪ No machinery in need of repair
	04 ⚪ Too expensive
	88 ⚪ Other (specify)

S12_Q53_oth. Other (Specify)	TEXT S12_Q53_oth
E S12_Q53==88	....

SECTION 13: CLIMATE OR ENVIRONMENTAL SHOCKS AND ADAPTATION STRATEGIES DURING 1 JULY 2023 THROUGH 30 JUNE 2024

E ELIGIBLE==1

S13_Q01. Did any shocks hit the holding or household between 1 July 2023 and 30 June 2024?	SINGLE-SELECT 01　○ Yes 00　○ No	S13_Q01
S13_Q02. Identify the three most severe shocks experienced during 1 July 2023 through 30 June 2024. I * Select up to 3 choices * Must be select most severe shocks first, second and three. E S13_Q01==1	MULTI-SELECT: ORDERED 01　☐ Typhoon 02　☐ Flood 03　☐ Riverbank collapse / Erosion 04　☐ Drought 05　☐ Insects 06　☐ Crop Disease 07　☐ Livestock/poultry disease 08　☐ Wildfire/forest fire 88　☐ Other	S13_Q02

SECTION 13: CLIMATE OR ENVIRONMENTAL SHOCKS AND ADAPTATION STRATEGIES DURING 1 JULY 2023 THROUGH 30 JUNE 2024

Roster: SHOCKS - %ROSTERTITLE%
generated by fixed list

S13_SHOCKS

01　Typhoon

02　Flood

03　Riverbank collapse / Erosion

04　Drought

05　Insects

06　Crop Disease

07　Livestock/poultry disease

08　Wildfire/forest fire

88　Other

E S13_Q02.Contains(@rowcode)

S13_Q03. How many times did the holding experience %rostertitle% during 1 July 2023 through 30 June 2024? V1 self.InRange(1,4) M1 Must be higher than 0 and less than 5.	NUMERIC: INTEGER - .	S13_Q03
S13_Q04. Did these shocks cause any physical harm to people working on the holding or cause any evacuation from the holding?	SINGLE-SELECT 01　○ Yes 00　○ No	S13_Q04

S13_Q05. How severe was the impact of %roste rtitle% on the livelihood of this holding?

I   * If shock occurred multiple times, ask about the most severe occurre nce

SINGLE-SELECT   S13_Q05

00   ○ No impact

01   ○ Slight impact

02   ○ Moderate impact

03   ○ Strong impact

04   ○ Worst ever

S13_Q06. Thinking about the most severe occu rrence of %rostertitle% during 1 July 2023 thro ugh 30 June 2024, which of the following impac ts did the holding experience as a consequence ?

I   * Read answers. Select all that apply * If shock occurred multiple times , ask about the most severe occurrence

E   IsAnswered(S13_Q05) && S13_Q05>0

V1   self.ContainsOnly(0) || (self.Length>=1 && !self.Contain s(0))

M1   "No physical impact" cannot be selected with any other code. Please re vise.

MULTI-SELECT   S13_Q06

01   ☐ Loss of land

02   ☐ Crop losses

03   ☐ Livestock losses

04   ☐ Aquaculture losses

05   ☐ Biomass losses/damages

06   ☐ Loss/damage of house

07   ☐ Loss/damage of holding/far m buildings

88   ☐ Other

00   ☐ No physical impact

S13_Q07. How severe were these physical impa cts?

I   * Read the answers.

E   IsAnswered(S13_Q06) && !S13_Q06.Contains(0)

SINGLE-SELECT   S13_Q07

01   ○ Small losses/damages

02   ○ Significant losses/damages

03   ○ Almost total or total losses/ damages

VARIABLE

S13_Q02[0]==1 ? "ក្ងះសង្ងួរ": (S13_Q02[0]==2 ? "ទឹកជំនន់" : (S13_Q02[0]==3 ? "ការបាក់ប្រាំង" : (S13_Q02[0]==4 ? "គ្រោះរាំង ស្ងួក" : (S13_Q02[0]==5 ? "សត្ងល្ងិតចង្ងែ" : (S13_Q02[0]==6 ? "ជំងឺឆ្លងដំណាំ"

And 91 other symbols [8]

STRING   mostsevere

S13_Q08. What was the holding's main response to the %mostsevere% shock? E IsAnswered(S13_Q02)	SINGLE-SELECT S13_Q08 00 ○ Did not do anything 01 ○ Sold land and/or buildings 02 ○ Sold crops and/or livestock 03 ○ Sold holding's other assets including machinery and equipment 04 ○ Found other work, not on the holding 05 ○ Received help from government 06 ○ Received help from NGOs or other organizations 07 ○ Reduced expenses for the holding (labour costs, capital costs, etc.) 08 ○ Received help from relatives 09 ○ Reduced expenses for the household (on health, education, etc.) 10 ○ Borrow money 11 ○ Migration 12 ○ Used gold, cash or bank savings 88 ○ Other
S13_Q09. Has the holding fully recovered from the %mostsevere% shock? E IsAnswered(S13_Q02)	SINGLE-SELECT S13_Q09 01 ○ Yes 00 ○ No
S13_Q10. Do you feel that the holding is now better able to cope with %mostsevere% shock? E IsAnswered(S13_Q02)	SINGLE-SELECT S13_Q10 01 ○ Yes 00 ○ No
S13_Q11. Do you or any members of your household have any loans now? E Holding_TYPE==1	SINGLE-SELECT S13_Q11 01 ○ Yes 00 ○ No
S13_Q12. How many active loans are you or your household currently repaying? E S13_Q11==1 V1 self.InRange(1,8) M1 Must be higher than 0 and less or equal to 8 loans max.	NUMERIC: INTEGER S13_Q12 -

S13_Q13_day. When did you or your household members contract the latest loan?_day	NUMERIC: INTEGER	S13_Q13_day
I * If not sure about exact day, select 15 E S13_Q11==1 V1 self.InRange(1,31) M1 Number of days must be less than or equal to 31.	- -	

S13_Q13_month. When did you or your household members contract the latest loan?_month	NUMERIC: INTEGER	S13_Q13_month
E IsAnswered(S13_Q13_day) V1 self.InRange(1,12) M1 Number of months must be less than or equal to 12.	- -	

S13_Q13_year. When did you or your household members contract the latest loan?_year	NUMERIC: INTEGER	S13_Q13_year
E IsAnswered(S13_Q13_month) V1 self.InRange(1990,2024) M1 The contract last loan should be between 1990 to 2024.Please check again.	- -	

S13_Q14. Who did you or your household members contract this loan from?	MULTI-SELECT	S13_Q14
I * Select all that apply E S13_Q11==1	01 ☐ Relatives in Cambodia 02 ☐ Relatives who lived abroad 03 ☐ Friends/neighbors 04 ☐ Moneylender 05 ☐ Microfinance 06 ☐ Trader 07 ☐ Landlord 08 ☐ Employer 09 ☐ Bank 10 ☐ NGOs 88 ☐ Other	

S13_Q15. Was any part of the loan used for agricultural purposes?	SINGLE-SELECT	S13_Q15
E S13_Q11==1	01 ◯ Yes 00 ◯ No	

S13_Q16. Does your household have any savings now?	SINGLE-SELECT	S13_Q16
I * Savings include gold, platin, cash savings and money saved at the bank. E Holding_TYPE==1	01 ◯ Yes 00 ◯ No	

S13_Q17. Does your household have more savings, less savings or the same amount of savings in June 2024 as in June 2023?	SINGLE-SELECT	S13_Q17
E S13_Q16==1	01 ◯ Same amount of savings 02 ◯ More savings 03 ◯ Less savings	

S13_Q18. Does your household usually receive remittances from family members outside the household?	SINGLE-SELECT	S13_Q18
E Holding_TYPE==1	01 ◯ Yes 00 ◯ No	

S13_Q19. Does your household receive more re mittances, less remittances or the same amou nt of remittances in June 2024 as in June 2023?

E   S13_Q18==1

01   ◯ Same amount of remittance s

02   ◯ More remittances

03   ◯ Less remittances

SECTION 14: HOUSEHOLD REFERENCED FOOD INSECURITY EXPERIENCE SCALE

E `ELIGIBLE==1`

S14_Q01. During the last 12 months, was there a time when you or others in your household were worried you would not have enough food to eat because of a lack of money or other resources?	SINGLE-SELECT S14_Q01 01 ○ Yes 00 ○ No -99 ○ Don't Know -96 ○ Refused
S14_Q01a. Was it during the last 30 days? E `S14_Q01==1`	SINGLE-SELECT S14_Q01a 01 ○ Yes 00 ○ No -99 ○ Don't Know -96 ○ Refused
S14_Q02. During the last 12 months, was there a time when you or others in your household were unable to eat healthy and nutritious food because of a lack of money or other resources?	SINGLE-SELECT S14_Q02 01 ○ Yes 00 ○ No -99 ○ Don't Know -96 ○ Refused
S14_Q02a. Was it during the last 30 days? E `S14_Q02==1`	SINGLE-SELECT S14_Q02a 01 ○ Yes 00 ○ No -99 ○ Don't Know -96 ○ Refused
S14_Q03. During the last 12 months, was there a time when you or others in your household ate only a few kinds of foods because of a lack of money or other resources?	SINGLE-SELECT S14_Q03 01 ○ Yes 00 ○ No -99 ○ Don't Know -96 ○ Refused
S14_Q03a. Was it during the last 30 days? E `S14_Q03==1`	SINGLE-SELECT S14_Q03a 01 ○ Yes 00 ○ No -99 ○ Don't Know -96 ○ Refused
S14_Q04. During the last 12 months, was there a time when you or others in your household had to skip a meal because there was not enough money or other resources to get food?	SINGLE-SELECT S14_Q04 01 ○ Yes 00 ○ No -99 ○ Don't Know -96 ○ Refused

S14_Q04a. Was it during the last 30 days?

E S14_Q04==1

SINGLE-SELECT   S14_Q04a

01   ◯ Yes
00   ◯ No
-99   ◯ Don't Know
-96   ◯ Refused

S14_Q05. During the last 12 months, was there a time when you or others in your household ate less than you thought you should because of a lack of money or other resources?

SINGLE-SELECT   S14_Q05

01   ◯ Yes
00   ◯ No
-99   ◯ Don't Know
-96   ◯ Refused

S14_Q05a. Was it during the last 30 days?

E S14_Q05==1

SINGLE-SELECT   S14_Q05a

01   ◯ Yes
00   ◯ No
-99   ◯ Don't Know
-96   ◯ Refused

S14_Q06. During the last 12 months, was there a time when your household ran out of food because of a lack of money or other resources?

SINGLE-SELECT   S14_Q06

01   ◯ Yes
00   ◯ No
-99   ◯ Don't Know
-96   ◯ Refused

S14_Q06a. Was it during the last 30 days?

E S14_Q06==1

SINGLE-SELECT   S14_Q06a

01   ◯ Yes
00   ◯ No
-99   ◯ Don't Know
-96   ◯ Refused

S14_Q07. During the last 12 months, was there a time when you or others in your household were hungry but did not eat because there was not enough money or other resources for food?

SINGLE-SELECT   S14_Q07

01   ◯ Yes
00   ◯ No
-99   ◯ Don't Know
-96   ◯ Refused

S14_Q07a. Was it during the last 30 days?

E S14_Q07==1

SINGLE-SELECT   S14_Q07a

01   ◯ Yes
00   ◯ No
-99   ◯ Don't Know
-96   ◯ Refused

S14_Q08. During the last 12 months, was there a time when you or others in your household went without eating for a whole day because of a lack of money or other resources?

SINGLE-SELECT   S14_Q08

01   ◯ Yes
00   ◯ No
-99   ◯ Don't Know
-96   ◯ Refused

S14_Q08a. Was it during the last 30 days?

E S14_Q08==1

SINGLE-SELECT

01   ○ Yes

00   ○ No

-99   ○ Don't Know

-96   ○ Refused

SECTION 15: END OF THE SURVEY

S15_Q01. Did you understand all the questions that were asked in the survey?

E `ELIGIBLE==1`

SINGLE-SELECT

S15_Q01

01   ○ Yes

00   ○ No

STATIC TEXT

End of survey, thank you.

INTVW_END. DO NOT READ OUT LOUD: Record the time the interview ended.

DATE: CURRENT TIME

INTVW_END

·····································

GPS_NEW. DO NOT READ OUT LOUD: Capture the GPS coordinates at this point of the interview.

I * Make sure you are outside, with a clear view of the sky.

E `ELIGIBLE==1`

GPS

GPS_NEW

N –

W –

A –

RESULT. DO NOT READ OUT LOUD: Please select the interview result.

F @optioncode.InList(1,3,4,5,6,7,8)|| (@optioncode==2 && IsAnswered(S1_Q12)) || (@optioncode==10 && S1_Q01== 0 && S1_Q02 ==0 || @optioncode==10 && S1_Q01==0 && S1_Q02 ==-99) || (@optioncode==9 && S1_Q01 And 125 other symbols [3]

SINGLE-SELECT

RESULT

01   ○ Complete

02   ○ Complete - No Agricultural Activity

03   ○ Incomplete - respondent termination

04   ○ Incomplete - 3rd party termination

05   ○ Refusal from respondent

06   ○ Parent / administrator / spouse refusal

07   ○ Absent at 2nd appointment

08   ○ Cannot interview (respondent sick, cannot speak, etc.)

09   ○ Ineligible

10   ○ Cannot locate the HH holding respondent

COMMENT. DO NOT READ OUT LOUD: Are there any general comments on this survey?

TEXT

COMMENT

·····································

APPENDIX A — ENABLING CONDITIONS

[1] S5_Q10: S5_Q10. What percentage of %rostertitle% used was applied to temporary crops during 1 July 2023 through 30 June 2024?
Enablement Condition:

```
// If any temporary crops grown and inputs used
(@rowcode.InList(1,2,3,4,5,88) && (S4_PARCELHOMELOT.Any(x=>x.TEMPCROP==1 &&
x.S4_CROP.Any(y=>y.IsAnswered(y.S4_Q05)))))
||
(@rowcode.InList(6,7,8,9,10,11,12,13,89) && (S4_PARCELHOMELOT.Any(x=>x.TEMPCROP==1 &&
x.S4_CROP.Any(y=>y.IsAnswered(y.S4_Q06)))))
||
(@rowcode.InList(14,15,16,17,18,19,90) && (S4_PARCELHOMELOT.Any(x=>x.TEMPCROP==1 &&
x.S4_CROP.Any(y=>y.S4_Q07==1))))
```

[2] S5_Q11: S5_Q11. What percentage of %rostertitle% used was applied to permanent crops during 1 July 2023 through 30 June 2024?
Enablement Condition:

```
// If any permanenet crops grown and inputs used
((@rowcode.InList(1,2,3,4,5,88) && (S4_PARCELHOMELOT.Any(x=>x.PERMCROP==1 &&
x.S4_CROP.Any(y=>IsAnswered(y.S4_Q05)))))
||
(@rowcode.InList(6,7,8,9,10,11,12,13,89) && (S4_PARCELHOMELOT.Any(x=>x.PERMCROP==1 &&
x.S4_CROP.Any(y=>y.IsAnswered(y.S4_Q06)))))
||
(@rowcode.InList(14,15,16,17,18,19,90) && (S4_PARCELHOMELOT.Any(x=>x.PERMCROP==1 &&
x.S4_CROP.Any(y=>y.S4_Q07==1)))))
&&
(S5_Q10 ?? 0) < 100
```

[3] : INPUTS USE AND ACQUISITION - %rostertitle%
Enablement Condition:

```
//Filter the answer codes based on answers given in previous sections
S4_PARCELHOMELOT.Any(x=>x.S4_CROP.Any(y=>y.S4_Q05.ContainsAny(@rowcode) || y.S4_Q06.ContainsAny(@rowcode) ||
y.S4_Q08.ContainsAny(@rowcode)))
```

[4] : PRODUCE SALES MARKETS - %rostertitle%
Enablement Condition:

```
(@rowcode==1 && S4_PARCELHOMELOT.Count(x=>x.S4_CROP.Any(y=>IsAnswered(y.S4_Q27)))>0) ||
(@rowcode==1 && S4_PARCELHOMELOT.Count(x=>x.S4_CROP.Any(y=>IsAnswered(y.S4_Q46)))>0) ||
(@rowcode==2 && S7_LIVESTOCK.Count(x=>x.S7_Q17>0 || x.S7_Q24==1)>0) ||
(@rowcode==2 && (S8_POULTRY.Any(x=>x.S8_Q10>0) || S8_POULTRY.Any(x=>x.S8_Q17==1))) ||
(@rowcode==3 && S10_AQUACULTURE.Any(x=>x.S10_Q13>0))||
(@rowcode==3 && S10_AQUACULTURE.Any(x=>x.S10_Q16>0))||
(@rowcode==3 && S10_CAPTUREFISHING.Any(x=>x.S10_Q29>0))||
(@rowcode==3 && S10_CAPTUREFISHING.Any(x=>x.S10_Q32>0))
```

[5] : ERROR MESSAGE:
Enablement Condition:

```
// 1.Checks if list of HH members is complete
HH_Count==S1A_HHROSTER.Count(x=>IsAnswered(x.S1A_Q03))

// 2. Checks if all eligible members answered the question about working on holding
&& S1A_HHROSTER.Count(x=>x.S1A_Q03>=5)==S1A_HHROSTER.Count(x=>IsAnswered(x.S1A_Q07))

// 3. Checks if none of the above members are reported to work on the holding
&& LABOR==0
```

APPENDIX B — VALIDATION CONDITIONS AND MESSAGES

[1] S1A_Q04: S1A_Q04. What is %rostertitle%'s relationship to the head of household?
Validation Condition:

```
HHHEAD < 2
```

Validation Message: Need one household head per household.
Validation Condition:

```
self==1 && S1A_Q03>=18
||
self.InRange(2,12)
```

Validation Message: Household head must be 18 years or older.
Validation Condition:

```
self==2 && S1A_Q03>=18
||
self.InList(1,3,4,5,6,7,8,9,10,11,12)
```

Validation Message: Spouse must be 18 years or older.
Validation Condition:

```
// if current person is father/mother of head
S1A_Q04==6 && S1A_HHROSTER.Count(x=>x.S1A_Q04==1 &&
(S1A_Q03-x.S1A_Q03<=10))==0

||
// if current person is head
S1A_Q04==1 && S1A_HHROSTER.Count(x=>x.S1A_Q04==6 &&
(x.S1A_Q03-S1A_Q03<=10))==0

||
(
    !S1A_Q04.InList(1,6)
    )
```

Validation Message: Age difference between head and his/her parent seems is less than 10 years. Please Check!
Validation Condition:

```
// if current person is head child
S1A_Q04==3 && (S1A_HHROSTER.Count(x=>x.S1A_Q04==1 &&
(x.S1A_Q03-S1A_Q03<=10))==0)

||
// if current person is head
S1A_Q04==1 && S1A_HHROSTER.Count(x=>x.S1A_Q04==3 &&
(S1A_Q03-x.S1A_Q03<=10))==0

||

!S1A_Q04.InList(1,3)
```

Validation Message: Age difference between head and his child is less than 10 years.Please check.
Validation Condition:

```
// if current person is grandchild
S1A_Q04==4 && S1A_HHROSTER.Count(x=>x.S1A_Q04==1 &&
(x.S1A_Q03-S1A_Q03<=20))==0

||
// if current person is head
S1A_Q04==1 && S1A_HHROSTER.Count(x=>x.S1A_Q04==4 &&
(S1A_Q03-x.S1A_Q03<=20))==0

||
// if current person is neither head nor grandchild
!S1A_Q04.InList(1,4)
```

Validation Message: Age difference between head and his/her grandchild is less than 20 years. Please check.
Validation Condition:

```
//Check head of household with spouse which are the same sex
(@rowcode == 1) ||
(@rowcode > 1 && (S1A_HHROSTER.First(x => x.S1A_Q04 == 1).S1A_Q02 != S1A_HHROSTER.FirstOrDefault(x => x.S1A_Q04 ==
2)?.S1A_Q02))
```

Validation Message: Spouse can not be the same sex, please correct.
Validation Condition:

```
// Ensure only one spouse (code 2) for the household head (code 1)
(@rowcode == 1) ||
(@rowcode > 1 &&
S1A_HHROSTER.Count(x => x.S1A_Q04 == 1) == 1 &&
S1A_HHROSTER.Count(x => x.S1A_Q04 == 2) <= 1)
```

Validation Message: There cannot be more than one spouse for the head of the household. Please correct.
Validation Condition:

```
(@rowcode == 1 && self == 1)
```

```
||
@rowcode > 1
```

Validation Message: First member in the list should be the household head.

[2] S1A_Q06: S1A_Q06. What is the highest level of education that %rostertitle% has completed?
Validation Condition:

```
// Check highest education against age
(self.InRange(1,12) && self<=S1A_Q03-4) ||
// technical training
(self==13 && S1A_Q03>=15) ||
// or university
(self==14 && S1A_Q03>=17) ||
// none or other
self.InList(0,88)
```

Validation Message: This person is %S1A_Q03% years old. It is unlikely he or she completed this grade. Please check.

[3] S4_Q01: S4_Q01. Were any crops grown on the %rostertitle% during 1 July 2023 through 30 June 2024?
Validation Condition:

```
//Checks consistency on whether crops grown on parcel
(self==1 && ROWNUM==1 && S3_PARCEL.Count(x=>x.S3_Q05.ContainsAny(1,4))>0) ||
(self==0 && ROWNUM==1 && S3_PARCEL.Count(x=>x.S3_Q05.ContainsAny(1,4))==0) || ROWNUM==2
```

Validation Message: This answer is not consistent with S3_Q05, please check.
Validation Condition:

```
//Checks consistency on whether crops grown on homelot
(self==1 && ROWNUM==2 && S3_Q09.ContainsAny(1,4)) ||
(self==0 && ROWNUM==2 && !S3_Q09.ContainsAny(1,4)) || ROWNUM==1
```

Validation Message: This answer is not consistent with S3_Q09, please check.

[4] S4_Q02: S4_Q02. Please list all the crops produced on the %rostertitle% during 1 July 2023 through 30 June 2024, starting with the main one in terms of value?
Validation Condition:

```
//Checks consistency on whether permanent crops grown on parcel
(ROWNUM==1 && ((PERMCROP==1 && S3_PARCEL.Count(x=>x.S3_Q05.Contains(4))>0)) || (PERMCROP==0 &&
S3_PARCEL.Count(x=>x.S3_Q05.Contains(4))==0)) || ROWNUM==2
```

Validation Message: This list of permanent crops on parcels is not consistent with S3_Q05, please check.
Validation Condition:

```
//Checks consistency on whether permanent crops grown on homelot
(ROWNUM==2 && ((PERMCROP==1 && S3_Q09.Contains(4)) || (PERMCROP==0 && IsAnswered(S3_Q09) && !S3_Q09.Contains(4))))
|| ROWNUM==1
```

Validation Message: This list of permanent crops on homelot is not consistent with S3_Q09, please check.
Validation Condition:

```
//Checks consistency on whether temporary crops grown on parcel
(ROWNUM==1 && ((TEMPCROP==1 && S3_PARCEL.Count(x=>x.S3_Q05.Contains(1))>0) || (TEMPCROP==0 &&
S3_PARCEL.Count(x=>x.S3_Q05.Contains(1))==0))) || ROWNUM==2
```

Validation Message: This list of temporary crops on parcels is not consistent with S3_Q05, please check.
Validation Condition:

```
//Checks consistency on whether temporary crops grown on homelot
(ROWNUM==2 && ((TEMPCROP==1 && S3_Q09.Contains(1)) || (TEMPCROP==0 && IsAnswered(S3_Q09) && !S3_Q09.Contains(1))))
|| ROWNUM==1
```

Validation Message: This list of temporary crops on homelot is not consistent with S3_Q05, please check.

[5] S4_Q15: S4_Q15. When did you start harvesting %S4_CROP% for harvest %rostertitle% during 1 July 2023 through 30 June 2024?_year
Validation Condition:

```
DATEHARVESTED >= (new DateTime(2023, 7, 1)) && DATEHARVESTED <= (new DateTime (2024,6,30))
```

Validation Message: The selected harvest date is not within the reference period, please correct.
Validation Condition:

```
DATEHARVESTED >= DATEPLANTED
```

Validation Message: The harvest date must be after the planting date.
Validation Condition:

```
//Checks that there are at least 3 months between the date planted and date harvested for rice
(CROPCODE.InList(101,102,103) && HARVESTAGE.InRange(3,7)) || (IsAnswered(CROPCODE) &&
!CROPCODE.InList(101,102,103))
```

Validation Message: Paddy rice should grow for 3 to 7 months before it is harvested. Please correct.

APPENDIX C — INSTRUCTIONS

[1] S3_Q01: S3_Q01. What is the total number of parcels on the agricultural holding?

* Include parcels rented to others and parcels rented from others * A parcel is defined as a piece of land of one tenure type entirely surrounded by other land, water, roads, forests or other features of a different tenure type that may or may not be used or owned by the same household. * If no parcel, please enter 0.

[2] S4_Q05: S4_Q05. Did you apply any of the following organic fertlizers on this %rostertitle% during 1 July 2023 through 30 June 2024?

* Read answers. Select all that apply. * A biostimulant is a product that stimulates plant growth through the synthesis of growth-promoting substances and/or plant nutrition processes independently of nutrient content, with the aim of improving one or more of: the plants' nutrient use efficiency or uptake; plant tolerance to abiotic stress; or, crop quality traits. * Sewage sludge is a mud-like residue resulting from wastewater treatment. Stabilization is a chemical or biological process that stops the natural fermentation of the sludge.

APPENDIX D — CATEGORIES

[1] Yesno
Categories: 1:Yes, 0:No

[2] AreaUnit
Categories: 1:Hectares, 2:Ares, 3:Square meters

[3] weightUnit
Categories: 1:Kilograms, 2:Tonnes

[4] Percentages
Categories: 100:All of it (100%), 75:Three quarters (75%), 66:Two-thirds (66%), 50:Half (50%), 33:One third (33%), 25:One quarter (25%)

[5] Provinces
Categories: 1:Banteay Meanchey, 2:Battambang, 3:Kampong Cham, 4:Kampong Chhnang, 5:Kampong Speu, 6:Kampong Thom, 7:Kampot, 8:Kandal, 23:Kep, 9:Koh Kong, 10:Kratie, 11:Mondul Kiri, 22:Otdar Meanchey, 24:Pailin, 12:Phnom Penh, 18:Preah Sihanouk, 13:Preah Vihear, 14:Prey Veng, 15:Pursat, 16:Ratanak Kiri, 17:Siemreap, 19:Stung Treng, 20:Svay Rieng, 21:Takeo, 25:Tboung Khmum

[6] S4_Q02: S4_Q02. Please list all the crops produced on the %rostertitle% during 1 July 2023 through 30 June 2024, starting with the main one in terms of value?
Categories: 101:Non-aromatic paddy, 102:Aromatic paddy, 103:Sticky paddy, 104:Maize (young corn), 105:Maize (white/Yellow/Violet corn), 107:Other cereal harvested for grain, 201:Potato, 202:Sweet potato, 203:Cassava, 204:Taro/Trao, 205:Arrowroot, 206:Yam Potato, 207:Tiger's claw, 208:Tuberous potato, 209:Wangled yam, 210:Other tubers, root and bulk crops, 301:Cowpea, 302:Mungbean, 304:Pigeon pea, 305:Lablab/Hyacinth bean, 306:Other leguminous plants, 401:Ground nut (peanut), 402:Soybean, 403:Sesame, 407:Other oilseed crops, 421:Caraway, 422:Mint, 423:Coriander, 424:Sweet basil, 425:Betel leaf, 426:Lemon grass, 427:Turmeric, 428:Chive, 429:Parsley, 430:Other spices, 441:Sugarcane, 442:Tobacco strong, 443:Tobacco light, 444:Other industrial crops, 453:Kapok, 455:Other fiber crops, 501:Trakun/Water convolvulus, 502:Cabbage, 503:Lettuce, 504:Leek, 505:Green garlic, 506:Scallion (spring onion), 507:Celery, 509:Water lily, 510:Spinach, 511:Watercress, 512:Chinese kale, 514:Amaranth, 515:Pig weed, 516:Other leafy or stem vegetables, 521:Chili, 522:Cucumber, 523:Muskmelon, 524:Eggplant, 525:Common Asiatic wood, 526:Gourd, 527:Pumpkin, 529:Sweet pepper/ Capsicum/Bell pepper, 530:Tomato, 531:Bitter melon, 532:Watermelon, 533:Wing bean, 534:Bhendii, 536:Ivy gourd, 537:Squash/Winter squash, 538:Other fruit-bearing vegetables, 541:Carrot, 542:Sugar beet, 543:Radish, 544:Turnip, 545:Shallot, 546:Onion, 547:Garlic, white, 548:Ginger, 549:Other root, bulb and tuberous vegetables, 561:Peas/Snow Peas, 562:Yard long bean, 563:Other leguminous green vegetables, 571:Cauliflower, 572:Broccoli, 573:Water hyacinth flower, 574:Asparagus, 575:Bamboo shoot, 576:Banana flower bud, 577:Other vegetables, 601:Mushroom, 602:Other horticultural crops, 701:Fodder Crops, 801:Oranges, 802:Tangerines, 803:Pomelo, 804:Lime/lemon, 805:Kafir lime, 806:Other citrus fruits, 811:Banana, 812:Custard apple, 813:Soursop, 814:Guava, 815:Longan, 816:Mango, 817:Papaya, 818:Pineapple, 819:Wood apple, 820:Jackfruit, 821:Jampadak Breadfruit, 822:Pomegranate, 823:Sapodilla/Chico, 824:Rambutan, 825:Mangosteen, 826:Rambeh, 827:Manila tamarind, 828:Durian, 829:Milk fruit, 830:Lotus fruit, 831:Rose apple, 832:Marian plum, 833:Hog plum, 834:Jambolen plum, 836:Grape, 837:Jujube, 839:Star fruit, 840:Dragon Fruit, 841:Bilimbi Fruit, 842:Passion Fruit, 843:Sour apple/Cotton fruit/ Sandorica, 844:Small bell, 845:Malabar Orange, 847:Date, 848:Noni/Morinda, 849:Avocado, 850:Other cultivated fruit, 861:Cashew, 862:Betel nuts, 863:Lotus nuts, 864:Other edible nuts, 901:Coffee, 903:Cacao, 904:Other beverage crops, 911:Coconut, 912:Oil Palm, 913:Palm?, 914:Other oil crops, 921:Black pepper, 922:Krasang, 924:Tamarind, 925:Other spices and aromatic crops, 931:Rubber, 932:Other rubber and tanning crops, 942:Jasmine, 943:Tuberose, 945:Lotus flower, 946:Frangipani, 951:Other flowers, 962:Heliconia, 963:Ginger plant, 964:Lucky bamboo plant, 965:Other ornamental plant, 971:Bamboo, 972:Eucalyptus trees, 973:Sandalwood, 975:Other non-food permanent crops, 997:Other crops not classified elsewhere

[7] S10_Q05: S10_Q05. Identify the species raised during 1 July 2023 through 30 June 2024.
Categories: 1:Nile Tilapia, 2:Silver barb, 3:Common carp, 4:Silver carp, 5:Roho Labeo, 6:Saltan Fish, 7:Striped Catfish, 8:Snakeskin Gouranmi, 9:Red Tailed Tinfoil, 10:Giant Snakehead, 11:Striped Snakehead, 12:Redtail catfish, 13:Catfish, 14:Eel, 15:Frog, 16:Giant Freshwater Prawn, 17:Snapper, 18:Orange-Spotted Grouper, 19:Marine prawns or shrimp, 88:Other

[8] S10_Q20a: S10_Q20a. What type of equipment was used for fishing in the past 1 month?
Categories: 0:Bare hands, 1:Case Net, 2:Plunge basket or cover pot, 3:Drift gillnet, 4:Horizontal cylinder trap for rice fields, 5:Wedge-shaped scoop basket, 6:Frog Gaff, 7:Eel Clamp, 8:Hook line, 9:Bamboo Tube trap for eel, 10:Giant lift net, 11:Gillnet, 12:Trap, 13:Trawl, 14:Octopus trap longline, 15:Dragged basket for blood cockle, 88:Other

[9] S10_Q20b: S10_Q20b. What type of equipment was used for fishing from 1 July 2023 to 30 June 2024?
Categories: 0:Bare hands, 1:Case Net, 2:Plunge basket or cover pot, 3:Drift gillnet, 4:Horizontal cylinder trap for rice fields, 5:Wedge-shaped scoop basket, 6:Frog Gaff, 7:Eel Clamp, 8:Hook line, 9:Bamboo Tube trap for eel, 10:Giant lift net, 11:Gillnet, 12:Trap, 13:Trawl, 14:Octopus trap longline, 15:Dragged basket for blood cockle, 88:Other

[10] S11_Q05: S11_Q05. Identify the forestry-related products collected or produced.
Categories: 1:Timbers, 2:Energy wood (biomass wood used for energy - heating, cooking), 3:Bamboo harvested for building purpose, 4:Plants harvested for garden purpose (orchids, palms, etc.), 5:Non-timber forest products (rattan, leaves, strings, brooms, palm thatch, etc.), 6:Other wood products (oils, resins, etc.), 7:Medicinal plants, 8:Charcoal making, 9:Jackfruit, 10:Mushrooms, 11:Honey, 12:Tea leaves, 13:Other edibles (other fruits, bamboo shoots, leaves, etc.), 14:Ornamental flowers, 15:Snails, 16:Wild birds, 17:Tortoise, 18:Snakes, 19:Spiders, 20:Ants, 21:Crickets, 22:Other small animals collection, 23:Wild deer, 24:Wild pig, 25:Other large animal hunting, 26:Sand, rocks, stones, mud collection, 88:Other

APPENDIX E — VARIABLES

[1] HOMELOTUTILIZED:

S3_Q09.ContainsAny(1,2,4,5) ? (S3_Q08_unit==1 ? (LANDUSE2.Where(x=>x.@rowcode.InList(1,2,4,5)).Sum(x=>x.S3_Q10)) : (S3_Q08_unit==2 ? (LANDUSE2.Where(x=>x.@rowcode.InList(1,2,4,5)).Sum(x=>x.S3_Q10)/100) : (LANDUSE2.Where(x=>x.@rowcode.InList(1,2,4,5)).Sum(x=>x.S3_Q10)/10000))) : 0

[2] HOMELOTUTILIZED_NOFALLOW:

S3_Q09.ContainsAny(1,4,5) ? (S3_Q08_unit==1 ? (LANDUSE2.Where(x=>x.@rowcode.InList(1,4,5)).Sum(x=>x.S3_Q10)) : (S3_Q08_unit==2 ? (LANDUSE2.Where(x=>x.@rowcode.InList(1,4,5)).Sum(x=>x.S3_Q10)/100) : (LANDUSE2.Where(x=>x.@rowcode.InList(1,4,5)).Sum(x=>x.S3_Q10)/10000))) : 0

[3] AAU:

// As per the AGRIS methodology, AAU includes parcels under crops, pastures, fallows + "kitchen garden + area for raising livestock and backyards" S3_PARCEL.Sum(x=>x.PARCELUTILIZED) + (HOMELOTUTILIZED ?? 0)

[4] UNUTILIZEDHA:

S3_Q05.Contains(11) ? (S3_Q04_unit==1 ? (S3_LANDUSE_PARCEL.Where(x=>x.@rowcode==11).Last().S3_Q06) : (S3_Q04_unit==2 ? (S3_LANDUSE_PARCEL.Where(x=>x.@rowcode==11).Last().S3_Q06/100) : (S3_LANDUSE_PARCEL.Where(x=>x.@rowcode==11).Last().S3_Q06/10000))) : 0

[5] PARCELUTILIZED:

S3_Q05.ContainsAny(1,2,3,4,5) ? (S3_Q04_unit==1 ? (S3_LANDUSE_PARCEL.Where(x=>x.@rowcode<=5).Sum(x=>x.S3_Q06)) : (S3_Q04_unit==2 ? (S3_LANDUSE_PARCEL.Where(x=>x.@rowcode<=5).Sum(x=>x.S3_Q06)/100) : (S3_LANDUSE_PARCEL.Where(x=>x.@rowcode<=5).Sum(x=>x.S3_Q06)/10000))) : 0

[6] AREA_HARVESTPERMHA:

IsAnswered(S4_Q37) && S4_Q37==-999 ? AREA_PLANTPERMHA : (IsAnswered(S4_Q37) && S4_Q37!=-999 && S4_Q36_unit==1 ? S4_Q37 : (IsAnswered(S4_Q37) && S4_Q37!=-999 && S4_Q36_unit==2 ? S4_Q37/100 : (IsAnswered(S4_Q37) && S4_Q37!=-999 && S4_Q36_unit==3 ? S4_Q37/10000 : PRODTREE/Treeperha[@rowcode].treeperha))

[7] LENGTH_S10_Q27:

(S10_Q27a.Contains(1) || S10_Q27b.Contains(1)?1:0) + (S10_Q27a.Contains(2) || S10_Q27b.Contains(2)?1:0) + ((S10_Q27a.ContainsAny(3,4,5,6,7,8) || S10_Q27b.ContainsAny(3,4,5,6,7,8)) && Holding_TYPE==1?2:((S10_Q27a.ContainsAny(3,4,5,6,7,8) || S10_Q27b.ContainsAny(3,4,5,6,7,8)) && Holding_TYPE==2?1:0)) + (S10_Q27a.Contains(88) || S10_Q27b.Contains(88)?1:0)

[8] mostsevere:

S13_Q02[0]==1 ? "ក្បួសសង្វា": (S13_Q02[0]==2 ? "ទឹកជំនន់" : (S13_Q02[0]==3 ? "ការបាក់ច្រាំង" : (S13_Q02[0]==4 ? "គ្រោះរាំងស្ងួត" : (S13_Q02[0]==5 ? "សត្វល្អិតចង្រៃ" : (S13_Q02[0]==6 ? "ជំងឺឆ្លងដំណាំ" : (S13_Q02[0]==7 ? "ជំងឺឆ្លងសត្វ" : (S13_Q02[0]==88 ? "គ្រោះមហន្តរាយផ្សេងទៀត" : ""))))))
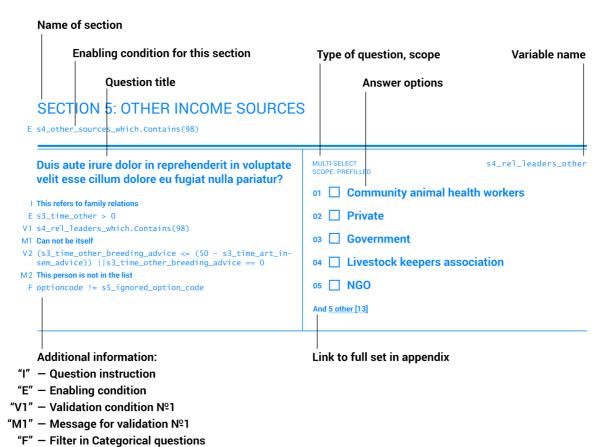
APPENDIX F — CATEGORIES FILTERS

[1] S9_Q03: S9_Q03. What buildings or structures were used by this holding for livestock or poultry during 1 July 2023 to 30 June 2024?
@optioncode.InList(4,6,7,8,88) || (@optioncode==1 && S7_Q01.Contains(1)) || (@optioncode==2 && S7_Q01.Contains(2)) || (@optioncode==3 && S7_LIVESTOCK.Any(x=>x.S7_Q31==1)) || (@optioncode==5 && (S7_LIVESTOCK.Any(x=>x.S7_Q21>0)) || (S8_POULTRY.Any(x=>x.S8_Q14>0)))

[2] S11_Q09_unit: S11_Q09_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.
(@optioncode==1 && @rowcode.InList(1,2,3,4,5,6,7,8,9,10,13,15,16,17,18,20,21,22,26,88))|| (@optioncode==2 && @rowcode.InList(1,2,3,5,8,13,88))|| (@optioncode==3 && @rowcode.InList(11,17,88))|| (@optioncode==4 && @rowcode.InList(1,2,5,8,88))|| (@optioncode==5 && @rowcode.InList(1,2,3,5,88))|| (@optioncode==6 && @rowcode.InList(5,13,88)) || (@optioncode==7 && @rowcode.InList(4,14,16,18,22,23,24,25,88)) || (@optioncode==8 && @rowcode.InList(1,2,3,4,5,6,7,8,10,13,15,16,17,18,20,21,22,26,88))

[3] RESULT: RESULT. DO NOT READ OUT LOUD: Please select the interview result.
@optioncode.InList(1,3,4,5,6,7,8)|| (@optioncode==2 && IsAnswered(S1_Q12)) || (@optioncode==10 && S1_Q01== 0 && S1_Q02 ==0 || @optioncode==10 && S1_Q01==0 && S1_Q02 ==-99) || (@optioncode==9 && S1_Q01== 1 && S1_Q03a ==0 && S1_Q04a==0 && S1_Q03b ==0 && S1_Q04b==0 && S1_Q03c ==0 && S1_Q04c==0) ||(@optioncode==9 && S1_Q05> 4)

Legend and structure of information in this file

Name of section

Enabling condition for this section

Question title

Type of question, scope

Variable name

Answer options

SECTION 5: OTHER INCOME SOURCES

E s4_other_sources_which.Contains(98)

Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur?

I **This refers to family relations**
E s3_time_other > 0
V1 s4_rel_leaders_which.Contains(98)
M1 **Can not be itself**
V2 (s3_time_other_breeding_advice <= (50 - s3_time_art_in-sem_advice)) ||s3_time_other_breeding_advice == 0
M2 **This person is not in the list**
F optioncode != s5_ignored_option_code

MULTI-SELECT
SCOPE: PREFILLED   s4_rel_leaders_other

01 ☐ **Community animal health workers**

02 ☐ **Private**

03 ☐ **Government**

04 ☐ **Livestock keepers association**

05 ☐ **NGO**

And 5 other [13]

Additional information:
"I" — **Question instruction**
"E" — **Enabling condition**
"V1" — **Validation condition №1**
"M1" — **Message for validation №1**
"F" — **Filter in Categorical questions**

Link to full set in appendix

Breadcrumbs

Type or roster

Roster Title

CHAPTER 3 IDENTIFICATION /
Roster: **LEADER RELATION DETAILS**
generated by fixed list:

01 **Ward Livestock Officer**

02 **Village Livestock Officer**

99 **Other (specify)**

List items