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



CAS2024

QUESTIONNAIRE_FINAL

SURVEY IDENTIFICATION INFORMATION QUESTIONNAIRE DESCRIPTION

COVER

No sub-sections, No rosters, Questions: 9.

COVER PAGE

No sub-sections, No rosters, Questions: 6, 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: 3, 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_FINAL
Version notes v10

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

VIL_ID	TEXT	VID
.....		
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 CAS 2024 respondent	TEXT	CONTACT_2024
.....		
LEGALNAME_2024. Juridical Holding's name	TEXT	LEGALNAME_2024
.....		

COVER PAGE

PROVINCE_ID. Province code	NUMERIC: INTEGER SCOPE: HIDDEN ----- PROVINCE_ID
DISTRICT_ID. District code	NUMERIC: INTEGER SCOPE: HIDDEN ----- DISTRICT_ID
COMMUNE_ID. Commune Code	NUMERIC: INTEGER SCOPE: HIDDEN ----- COMMUNE_ID
VILLAGE_ID. Village code	NUMERIC: INTEGER SCOPE: HIDDEN ----- VILLAGE_ID
TYPE_PRELOAD. Was this a household holding or a juridical holding as per the 2023 survey?	SINGLE-SELECT SCOPE: HIDDEN TYPE_PRELOAD 01 <input type="radio"/> Household holding 02 <input type="radio"/> 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 <input type="radio"/> Yes 00 <input type="radio"/> 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%.

<p>S1_Q01. Is any household member still living in this dwelling?</p> <p>E Holding_TYPE==1</p>	<p>SINGLE-SELECT S1_Q01</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
--	---

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.

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

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.

<p>INTVW_STARTa. DO NOT READ OUT LOUD: Record the time the interview started (1st attempt).</p> <p>E S1_Q01==1 S1_Q02==1 Holding_TYPE==2</p>	<p>DATE: CURRENT TIME INTVW_STARTa</p> <p>MM/DD/YYYY</p> <p>.....</p>
--	--

<p>S1_Q03a. DO NOT READ OUT LOUD: Is %NAME_2024% available for interview?</p> <p>E S1_Q01==1 S1_Q02==1 Holding_TYPE==2</p>	<p>SINGLE-SELECT S1_Q03a</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
--	--

S1_Q04a. DO NOT READ OUT LOUD: Is any other competent respondent available for interview?

SINGLE-SELECT S1_Q04a

- 01 Yes
- 00 No

I * Must be a competent member of the household, or any other competent respondent if juridical holding.

E S1_Q03a==0

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: Record the time the interview started (2nd attempt).

DATE: CURRENT TIME INTVW_STARTb

MM/DD/YYYY
.....

E S1_Q04a==0

S1_Q03b. DO NOT READ OUT LOUD: Is %NAME_2024% available for interview?

SINGLE-SELECT S1_Q03b

- 01 Yes
- 00 No

E S1_Q04a==0

S1_Q04b. DO NOT READ OUT LOUD: Is any other competent respondent available for interview?

SINGLE-SELECT S1_Q04b

- 01 Yes
- 00 No

I * Must be a competent member of the household, or any other competent respondent if juridical holding.

E S1_Q03b==0

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

MM/DD/YYYY
.....

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

- 01 Yes
- 00 No

E S1_Q04b==0

S1_Q04c. DO NOT READ OUT LOUD: Is any other competent respondent available for interview?

SINGLE-SELECT S1_Q04c

- 01 Yes
- 00 No

I * Must be from the 2023 household members list for household holding, or any other competent respondent if juridical holding.

E S1_Q03c==0

RESP_2023. Was he/she respondent in CAC 2023?

SINGLE-SELECT RESP_2023

- 01 Yes
- 00 No

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)

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?

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

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.

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 Statistics 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 45-60 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?

<p>CONSENT. Can I start asking questions now?</p> <p>E S1_Q05<5</p>	<p>SINGLE-SELECT CONSENT</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>S1_Q06a. What is your phone number?</p> <p>I * If no phone number, enter 000</p> <p>E CONSENT==1</p> <p>V1 // checks the length of the phone number entered self=="000" self.Length.InRange(9,10)</p> <p>M1 Please record a correct phone number.</p>	<p>TEXT S1_Q06a</p> <p>.....</p>
<p>S1_Q06b. What is your second phone number?</p> <p>I * If no phone number, enter 000</p> <p>E IsAnswered(S1_Q06a) && S1_Q06a!="000"</p> <p>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)</p> <p>M1 Please record a correct phone number.</p>	<p>TEXT S1_Q06b</p> <p>.....</p>
<p>LEGALNAME. What is the holding's legal name?</p> <p>E CONSENT==1 && Holding_TYPE==2</p>	<p>TEXT LEGALNAME</p> <p>.....</p>
<p>S1_Q07. From 1 July 2023 through 30 June 2024, have any members of your household/holding grown crops on their own account?</p> <p>E CONSENT==1</p>	<p>SINGLE-SELECT S1_Q07</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

<p>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?</p>	<p>SINGLE-SELECT S1_Q08</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>I * Do not consider fighting chicken or cattle raised for cattle judging</p> <p>E CONSENT==1</p>	

<p>S1_Q09. From 1 July 2023 through 30 June 2024, have any members of your household/holding engaged in aquaculture on their own account?</p>	<p>SINGLE-SELECT S1_Q09</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>E CONSENT==1</p>	

<p>VARIABLE Quest.IRnd()</p>	<p>DOUBLE rnd</p>
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<p>VARIABLE (int)Math.Round(Quest.IRnd() + 1)</p>	<p>LONG RANDOM</p>
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<p>S1_Q10a. Have any members of your household/holding engaged in capture fishing on their own account in the past 1 month?</p>	<p>SINGLE-SELECT S1_Q10a</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>E RANDOM==1 && CONSENT==1</p>	

<p>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?</p>	<p>SINGLE-SELECT S1_Q10b</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>E CONSENT==1</p>	

<p>VARIABLE (S1_Q07==1 S1_Q08==1 S1_Q09==1 S1_Q10b==1) ? 1 : 0</p>	<p>DOUBLE ELIGIBLE</p>
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<p>STATIC TEXT</p>	
<p>E ELIGIBLE==0</p>	
<p><i>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.</i></p>	

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

S1_Q11. On what date did the holding stop all agricultural activity?_month

NUMERIC: INTEGER

S1_Q11_month

- E IsAnswered(S1_Q11_day)
- V1 self.InRange(1,12)
- M1 Please select a valid month of the year.

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
 new DateTime((int) S1_Q11_year, (int) S1_Q11_month, (int) S1_Q11_day)

DATETIME

DATESTOP

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.

<p>S1A_Q01. List all individuals who normally live and eat in your household, starting with the household head and then from oldest to youngest.</p> <p>I * Do not list servants or guests. Record the first name and the surname.</p> <p>V1 self.All(x=>x.Item2.Split(' ').Length>1)</p> <p>M1 List name and surname.</p> <p>V2 self.Select(x=>x.Item2.ToUpper()).Distinct().Count()==self.Count()</p> <p>M2 Use unique names for household members. Add called names if members have the same name.</p>	<p>LIST S1A_Q01</p> <p>.....</p>
<p>VARIABLE</p> <p>S1A_Q01.FirstOrDefault(x=>x.Item1==(S1A_HH ROSTER.FirstOrDefault(y=> y.S1A_Q05==1)?.@rowcode ?? 0))?.Item2 ?? "N/A"</p>	<p>STRING head_name</p>

SECTION 1A: HOUSEHOLD MEMBERS

Roster: HOUSEHOLD MEMBERS - %ROSTERTITLE%

generated by list question [S1A_Q01](#)

S1A_HHROSTER

<p>S1A_Q02. What is %rosteritle%'s Sex?</p>	<p>SINGLE-SELECT S1A_Q02</p> <p>01 <input type="radio"/> Male</p> <p>02 <input type="radio"/> Female</p>
<p>S1A_Q03.What is %rosteritle%'s age?</p> <p>I * In completed years</p> <p>V1 self>=0 && self<=120</p> <p>M1 Please enter a valid age.</p> <p>W2 self<=100 self>120</p> <p>M2 Unlikely to have members aged over 100 years old. Please confirm.</p>	<p>NUMERIC: INTEGER S1A_Q03</p> <p>-----</p>

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

SINGLE-SELECT

S1A_Q04

```
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.S1A_Q04==1 && S1A_HHROSTER.Count(x=>x.S1A_Q04==3 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)?.S1A_Q02)) 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.
```

- 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 %rosteritle%'s marital status?

SINGLE-SELECT

S1A_Q05

```
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.
```

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

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

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)

```
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.
```

S1A_Q06_OTH. Other (Specify).

TEXT S1A_Q06_OTH

.....

```
E S1A_Q06==88
```

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

SINGLE-SELECT S1A_Q07

01 Yes

00 No

```
E S1A_Q03>=5
```

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

SINGLE-SELECT: LINKED RESPNAME
SOURCE OF CATEGORIES: ROSTER [S1A_HHROSTER](#)

```
F $membersFilter
```

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

DOUBLE HHHEAD

VARIABLE
S1A_HHROSTER.Count()

DOUBLE HH_Count

<p>HOLDER. Who is the agricultural holding holder in this household?</p> <p>F \$membersFilter</p>	<p>SINGLE-SELECT: LINKED SOURCE OF CATEGORIES: ROSTER S1A_HHROSTER</p> <p>HOLDER</p>
<p>PHONE HOLDER. What is %HOLDE R%'s phone number?</p> <p>I * If no phone number, enter 000 * If several phone numbers, record the main one</p> <p>E IsAnswered(HOLDER)</p> <p>V1 // checks the length of the phone number entered self=="000" self.Length.InRange(9,10)</p> <p>M1 Please record a correct phone number.</p>	<p>TEXT</p> <p>PHONE HOLDER</p> <p>.....</p>
<p>S1A_Q08. Who in the household is the main decision-maker concerning farming activities in general?</p>	<p>SINGLE-SELECT</p> <p>S1A_Q08</p> <p>01 <input type="radio"/> Male household member</p> <p>02 <input type="radio"/> Female household member</p> <p>03 <input type="radio"/> Shared responsibility between male and female household members</p>
<p>S1A_Q09. Who in your household decided what to do with earnings from the sale of unprocessed crops?</p> <p>E s1_q07==1</p>	<p>SINGLE-SELECT</p> <p>S1A_Q09</p> <p>01 <input type="radio"/> Male household member</p> <p>02 <input type="radio"/> Female household member</p> <p>03 <input type="radio"/> Shared responsibility between male and female household members</p>
<p>S1A_Q10. Who manages the livestock and poultry currently kept by your holding?</p> <p>E s1_q08==1</p>	<p>SINGLE-SELECT</p> <p>S1A_Q10</p> <p>01 <input type="radio"/> Male household member</p> <p>02 <input type="radio"/> Female household member</p> <p>03 <input type="radio"/> Shared responsibility between male and female household members</p>
<p>S1A_Q11. Who in your household is responsible for selling livestock and poultry at markets (including sale of live animals or other livestock products)?</p> <p>E s1_q08==1</p>	<p>SINGLE-SELECT</p> <p>S1A_Q11</p> <p>01 <input type="radio"/> Male household member</p> <p>02 <input type="radio"/> Female household member</p> <p>03 <input type="radio"/> Shared responsibility between male and female household members</p>

<p>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...)?</p> <p>E S1_Q08==1</p>	<p>SINGLE-SELECT S1A_Q12</p> <p>01 <input type="radio"/> Male household member</p> <p>02 <input type="radio"/> Female household member</p> <p>03 <input type="radio"/> Shared responsibility between male and female household members</p>
<p>VARIABLE</p> <p>S1A_HHROSTER.Count(x=>x.S1A_Q07==1)</p>	<p>DOUBLE LABOR</p>
<p>VARIABLE</p> <p>S1A_HHROSTER.Any(x=>x.S1A_Q03>=18 x.S1A_Q04.InList(1,2))</p>	<p>BOOLEAN adult_members</p>

SECTION 2: HOLDING CHARACTERISTICS

E ELIGIBLE==1

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

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

<p>S3_Q01. What is the total number of parcels on the agricultural holding?</p> <p>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]</p> <p>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.</p>	<p>NUMERIC: INTEGER S3_Q01</p> <p>-----</p>
<p>S3_Q02. List all of your parcels.</p> <p>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</p> <p>E S3_Q01>0 V1 self.Count()==S3_Q01 M1 There must be %S3_Q01% parcels.</p>	<p>LIST S3_Q02</p> <p>.....</p>

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 %rosteritle% 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 %rosteritle%?

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
- 01 Hectares
 - 02 Ares
 - 03 Square meters

E IsAnswered(S3_Q04)
V1 // Parcel area for HHs lower than 20ha (Holding_TYPE==1 && (PARCELHA > 0 && PARCELHA <= 20)) || Holding_TYPE==2
M1 Parcel area for HHs should be higher than 0 and lower than 20ha. Please correct.
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
S3_Q04_unit==1 ? S3_Q04 : (S3_Q04_unit==2 ? S3_Q04/100 : S3_Q04/10000)

DOUBLE PARCELHA

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.

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))

- 01 Temporary crops production
- 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, wet lands, 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:

<p>VARIABLE</p> <p>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</p> <p>And 56 other symbols [4]</p>	<p>DOUBLE</p> <p>UNUTILIZEDHA</p>
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<p>VARIABLE</p> <p>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) :</p> <p>And 72 other symbols [5]</p>	<p>DOUBLE</p> <p>PARCELUTILIZED</p>
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<p>S3_Q07. In what year did the fallow period for parcel %rostertitle% begin?</p> <p>E S3_Q05.Contains(2)</p> <p>V1 self.InRange(1990,2024)</p> <p>M1 Should be between 1990 and 2024.</p>	<p>NUMERIC: INTEGER</p> <p>S3_Q07</p> <p>-----</p>
--	--

<p>VARIABLE</p> <p>S3_PARCEL.Sum(x=>x.PARCELUTILIZED)</p>	<p>DOUBLE</p> <p>TOTALPARCELUTILIZED</p>
--	--

<p>STATIC TEXT</p> <p>E S2_Q01.Contains(2) && S3_PARCEL.Count(x=>x.S3_Q03.InList(6,7))==0 && S3_PARCEL.Count(x=>IsAnswered(x.S3_Q03))==S3_Q01</p> <p>V1 S2_Q01.Contains(2) && S3_PARCEL.Count(x=>x.S3_Q03.InList(6,7))>0</p> <p>M1 You mentioned that some of your land was rented in S2_Q01 but none of the parcels you listed above are rented. Please check consistency in S3_Q03.</p> <p>Error message:</p>	
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SECTION 3: LAND TENURE & AGRICULTURE PRACTICES
PART 2 - HOMELOT CHARACTERISTICS

E Holding_TYPE==1

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

S3_Q08_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.

SINGLE-SELECT S3_Q08_unit

- 01 Hectares
- 02 Ares
- 03 Square meters

E IsAnswered(S3_Q08)
 V1 HOMELOTHA>=0.002 && HOMELOTHA<=2
 M1 Homelot area seems outside of the reasonable range (20m2 to 2ha). Please confirm.

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

DOUBLE HOMELOTHA

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

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, wet lands, ponds, including with natural vegetation)
- 13 Aquaculture under the house
- 88 Other

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.

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 **%rosteritle%**?

NUMERIC: DECIMAL

S3_Q10

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%.

VARIABLE

DOUBLE

SUMLANDUSE2

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

VARIABLE

DOUBLE

HOUSEAREA

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

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 ? (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

[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 \[2\]](#)

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

<p>VARIABLE</p> <p>// As per the AGRIS methodology, AAU include s parcels under crops, pastures, fallows + "kitchen garden + area for raising livestock and backyards" S3_PARCEL.Sum(x=>x.PARCELUTILIZED) + (HOMELOTUTILIZED)</p> <p>And 6 other symbols [3]</p>	<p>DOUBLE</p> <p>AAU</p>
<p>VARIABLE</p> <p>// Total area includes total parcel area and homelot area, no matter the use S3_PARCEL.Sum(x=>x.PARCELHA) + (HOMELOTHA ?? 0)</p>	<p>DOUBLE</p> <p>TOTALAREA</p>
<p>S3_Q11. Do you confirm that your total holding area, including your homelot and all parcels, is %TOTALAREA% hectares?</p> <p>E Holding_TYPE==1 V1 self==1 M1 Review the parcel and homelot areas so the respondent agrees with the total holding area.</p>	<p>SINGLE-SELECT</p> <p>S3_Q11</p> <p>01 <input type="radio"/> Yes 00 <input type="radio"/> No</p>
<p>S3_Q12. Do you confirm that your total holding area, including all parcels, is %TOTALAREA% hectares?</p> <p>E Holding_TYPE==2 V1 self==1 M1 Review the parcel areas so the respondent agrees with the total holding area.</p>	<p>SINGLE-SELECT</p> <p>S3_Q12</p> <p>01 <input type="radio"/> Yes 00 <input type="radio"/> No</p>

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

S4_CROP_PRODUCTION

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 && Is Answered(HOMELOTUTILIZED) && HOMELOTUTILIZED>0 && Holding_TYPE==1)

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

SINGLE-SELECT

S4_Q01

- 01 Yes
- 00 No

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 \[3\]](#)))>0)

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.

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

- 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

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.

[And 151 other symbols \[6\]](#)

VARIABLE
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

DOUBLE

PERMCROP

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

DOUBLE

TEMCROP

VARIABLE
S4_Q02.Count()

DOUBLE

CROPNUMBER

VARIABLE
@rowindex + 1

DOUBLE

ROWNUM

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 @rowcode	LONG	CROPCODE
<p>S4_Q03. Did you apply fertilizers on this %rosteritle% during 1 July 2023 through 30 June 2024?</p> <p>E \$askcrop</p>	<p>SINGLE-SELECT</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>	S4_Q03
<p>S4_Q04. Which of the following fertilizers on this %rosteritle% during 1 July 2023 through 30 June 2024?</p> <p>I * Read answers. Select all that apply.</p> <p>E S4_Q03==1</p>	<p>MULTI-SELECT</p> <p>01 <input type="checkbox"/> Organic fertilizers</p> <p>02 <input type="checkbox"/> Inorganic or chemical fertilizers</p>	S4_Q04
<p>S4_Q05. Did you apply any of the following organic fertilizers on this %rosteritle% during 1 July 2023 through 30 June 2024?</p> <p>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]</p> <p>E S4_Q04.Contains(1)</p>	<p>MULTI-SELECT</p> <p>01 <input type="checkbox"/> Solid manure</p> <p>02 <input type="checkbox"/> Liquid manure/slurry</p> <p>03 <input type="checkbox"/> Vegetal material or compost</p> <p>04 <input type="checkbox"/> Stabilized sewage sludge</p> <p>05 <input type="checkbox"/> Biostimulant</p> <p>88 <input type="checkbox"/> Other organic fertilizer</p>	S4_Q05
<p>S4_Q06. Did you apply any of the following inorganic or chemical fertilizers on this %rosteritle% during 1 July 2023 through 30 June 2024?</p> <p>I * Read answers. Select all that apply.</p> <p>E S4_Q04.Contains(2)</p>	<p>MULTI-SELECT</p> <p>06 <input type="checkbox"/> Urea</p> <p>07 <input type="checkbox"/> Other nitrogenous fertilizer</p> <p>08 <input type="checkbox"/> Superphosphates (>35% of P2O5)</p> <p>09 <input type="checkbox"/> Other phosphatic fertilizer</p> <p>10 <input type="checkbox"/> Potassium chloride (MOP)</p> <p>11 <input type="checkbox"/> Other potassic fertilizer</p> <p>12 <input type="checkbox"/> NPK</p> <p>13 <input type="checkbox"/> Diammonium phosphate (DAP)</p> <p>89 <input type="checkbox"/> Other inorganic fertilizer</p>	S4_Q06
<p>S4_Q07. Did you apply pesticides on this %rosteritle% during 1 July 2023 through 30 June 2024?</p> <p>E \$askcrop</p>	<p>SINGLE-SELECT</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>	S4_Q07

S4_Q08. Which pesticides did you apply on this %rosteritle% during 1 July 2023 through 30 June 2024?

MULTI-SELECT

S4_Q08

- 14 Insecticides
- 15 Herbicides (solid)
- 16 Herbicides (liquid)
- 17 Fungicides or bactericides
- 18 Rodenticides
- 19 Molluscicides
- 90 Other pesticide

I * Read answers. Select all that apply.

E S4_Q07==1

S4_Q09. Was this %rosteritle% ever irrigated during 1 July 2023 through 30 June 2024?

SINGLE-SELECT

S4_Q09

- 01 Yes
- 00 No

E \$askcrop

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 %rosteritle% harvested during 1 July 2023 through 30 June 2024?

NUMERIC: INTEGER

S4_Q10

SPECIAL VALUES

- 00 No harvest
- 01 1 harvest or continuous harvest

I * If continuous harvest then enter 1

V1 (CROPCODE.InList(101,102,103) && self.InRange(0,4)) || (!CROPCODE.InList(101,102,103) && self.InRange(0,10))

M1 Must be comprised between 0 and 4 harvests for rice, and 10 harvest for other crops.

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
- 2023 2023
- 2024 2024

E IsAnswered(S4_Q11)

V1 DATEPLANTED <= (new DateTime (2024,6,30))

M1 The selected planting date must be before the end of the reference period, please correct.

VARIABLE
new DateTime ((int)S4_Q12, (int)S4_Q11, 1)

DATETIME DATEPLANTED

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 LOU
D: Unit mentioned by the respondent.**

SINGLE-SELECT S4_Q13_unit

- 01 Hectares
- 02 Ares
- 03 Square meters

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.

VARIABLE

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

DOUBLE AREA_PLANTEDHA

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

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

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

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

SINGLE-SELECT S4_Q15
 2023 2023
 2024 2024

- 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.

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

LONG HARVESTAGE

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

DATETIME DATEHARVESTED

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

NUMERIC: DECIMAL S4_Q16

- 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.

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 %rosteritle%?

NUMERIC: DECIMAL

S4_Q17

E // Only for priority temporary crops CROPCOD
 E.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.

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

SINGLE-SELECT

S4_Q17_unit

- 01 Kilograms
- 02 Tonnes

E IsAnswered(S4_Q17) && S4_Q17>0
 V1 YIELD.InRange(Crops32[(int)CROPCODE].minkg, Crops32[(int)CROPCODE].maxkg)
 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.

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 %rosteritle% less than the area planted?

SINGLE-SELECT

S4_Q18

- 01 Drought/late onset of rain/erratic rainfall
- 02 Flood
- 03 Other extreme natural events (excessive wind, hail, etc.)
- 04 Pest
- 05 Theft
- 06 Unable to work due to sickness
- 07 No available labor
- 88 Other

E AREA_HARVESTEDHA_TOTAL < AREA_PLANTEDHA_TOTAL

S4_Q19. Was %rosteritle% cultivated together with other crops at the same time and in the same parcel?

SINGLE-SELECT S4_Q19

- 01 Yes, Mixed crops
- 00 No, Single crop

E // Only on parcels and only if more than one crop listed by the respondent ROWNUM==1 && CROPNUMBER>1

S4_Q20. Has any %rosteritle% been planted but has not been harvested during 1 July 2023 through 30 June 2024?

SINGLE-SELECT S4_Q20

- 01 Yes
- 00 No

V1 S4_Q10 > 0 || (S4_Q10==0 && self==1)
M1 You reported that %rosteritle% was grown on the reference period, but reported no harvest, and no planted area. Please check consistency with S4_Q10.

S4_Q21. Why did your holding not harvest %rosteritle% as many times as it was planted?

SINGLE-SELECT S4_Q21

- 01 Lost crop due to drought/late onset of rain/erratic rainfall
- 02 Lost crop due to flood
- 03 Lost crop due to other extreme natural events (excessive 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 ownership
- 08 Unable to work due to sickness
- 09 No available labor
- 10 Not harvest season
- 11 Delayed/deferred harvest
- 88 Other

E S4_Q20==1

S4_Q22. What total area of %rosteritle% 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 LOU
D: Unit mentioned by the respondent.

SINGLE-SELECT S4_Q22_unit

01 Hectares

02 Ares

03 Square meters

E IsAnswered(S4_Q22)

W1 // unlikely to have less than 20m2 for HH or 2ha for JH Holding_TYPE==1 && (ROWNUM==1 && AREA_NOTHARVESTEDHA >= 0.002) || Holding_TYP E==2 && (ROWNUM==1 && AREA_NOTHARVESTEDHA >= 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_NOTHARVESTEDHA <= 50 || Holding_TYPE ==2 && ROWNUM==1 && AREA_NOTHARVESTEDHA <= 3 0000 || ROWNUM==2

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

V3 (ROWNUM==1 && AREA_NOTHARVESTEDHA <= TOTALPA RCELUTILIZED) || 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_NOTHARVESTED HA <= 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 %rosteritle% during 1 July 2023 through 30 June 2024.

S4_Q23. Did you store any of the harvest ed %rosteritle%?

SINGLE-SELECT S4_Q23

01 Yes

00 No

I * Only include stock from harvests that occurred between 1 July 2023 and 30 June 2024. Do not include previous years' s tock.

E PRODUCTION_TOTAL>0

VARIABLE STRING STORE_TEXT

S4_Q23==1 ? ", រួមបញ្ចូលទាំងផលិតកម្មក្នុងស្តុក," : "

S4_Q24. How much of the %rosteritle% harvested during 1 July 2023 through 30 June 2024 season is being stored in unpr ocessed form by your household?

NUMERIC: DECIMAL S4_Q24

E S4_Q23==1

<p>S4_Q24_unit. Unit mentioned by the respondent.</p> <p>E IsAnswered(S4_Q24) && S4_Q24>0</p> <p>V1 STOREDQUANTITY>0 && STOREDQUANTITY<= PRODUCTION_TOTAL</p> <p>M1 Stored quantity cannot be greater than the PRODUCTION_TOTAL = %PRODUCTION_TOTAL% kg. Please check.</p>	<p>SINGLE-SELECT S4_Q24_unit</p> <p>01 <input type="radio"/> Kilograms</p> <p>02 <input type="radio"/> Tonnes</p>
<p>VARIABLE</p> <p>S4_Q24_unit==1 ? S4_Q24 : S4_Q24*1000</p>	<p>DOUBLE STOREDQUANTITY</p>
<p>S4_Q25. Did your holding use the %rosteritle% production from the %S4_PARCEL HOMELOT% %STORE_TEXT% for any of the following purposes?</p> <p>I * Read answers. Select all that apply.</p> <p>F (@optioncode==1 && Holding_TYPE==1) @optioncode.In List(2,3,4,5,88)</p> <p>E PRODUCTION_TOTAL>0</p> <p>W1 (self.ContainsOnly(1) && S4_Q23==1) (IsAnswered(self) && !self.ContainsOnly(1))</p> <p>M1 It is unlikely that this household uses %rosteritle% for own-consumption only and does not store any. Please confirm.</p>	<p>MULTI-SELECT S4_Q25</p> <p>01 <input type="checkbox"/> For own consumption</p> <p>02 <input type="checkbox"/> For sale</p> <p>03 <input type="checkbox"/> For planting as seed</p> <p>04 <input type="checkbox"/> For rendering payment in-kind</p> <p>05 <input type="checkbox"/> For animal feeding</p> <p>88 <input type="checkbox"/> For other purposes</p>
<p>VARIABLE</p> <p>(IsAnswered(S4_Q26)?1:0) + (IsAnswered(S4_Q27)?1:0) + (IsAnswered(S4_Q29)?1:0) + (IsAnswered(S4_Q30)?1:0) + (IsAnswered(S4_Q31)?1:0) + (IsAnswered(S4_Q32)?1:0)</p>	<p>LONG Count_S4_Q25</p>

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

NUMERIC: INTEGER

S4_Q26

SPECIAL VALUES

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

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 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_Q27???)-(S4_Q29???)-(S4_Q30???)-(S4_Q31???)-(S4_Q32???) || 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_Q27???)-(S4_Q29???)-(S4_Q30???)-(S4_Q31???)-(S4_Q32???) || 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.

V5 // Own-consumption should not be higher than 10 tons self*PRODUCTION_TOTAL/100 <= 10000

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

S4_Q27. Approximately what share of your %rosteritle% production %STORE_TEXT% was for selling?

NUMERIC: INTEGER

S4_Q27

SPECIAL VALUES

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

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???)-(S4_Q29???)-(S4_Q30???)-(S4_Q31???)-(S4_Q32???) || 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???)-(S4_Q29???)-(S4_Q30???)-(S4_Q31???)-(S4_Q32???) || 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.

S4_Q28. What was the unit price of last sale of %rosteritle% 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 %rosteritle% 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 **roster** production %STORE_TEXT% was used for rendering payment in-kind?

NUMERIC: INTEGER

S4_Q30

SPECIAL VALUES

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

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???)-(S4_Q27???)-(S4_Q29???)-(S4_Q31???)-(S4_Q32???) || 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???)-(S4_Q27???)-(S4_Q29???)-(S4_Q31???)-(S4_Q32???) || 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.

S4_Q31. Approximately what share of your **roster** production %STORE_TEXT% was used for animal feeding?

NUMERIC: INTEGER

S4_Q31

SPECIAL VALUES

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

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???)-(S4_Q27???)-(S4_Q29???)-(S4_Q30???)-(S4_Q32???) || 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???)-(S4_Q27???)-(S4_Q29???)-(S4_Q30???)-(S4_Q32???) || 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.

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

NUMERIC: INTEGER

S4_Q32

SPECIAL VALUES

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

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.

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.**

SINGLE-SELECT

S4_Q34_unit

- 01 Meters
- 02 Centimeters

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.

S4_Q35. What is the distance between %rosteritle% plants in a row?

NUMERIC: DECIMAL

S4_Q35

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.

S4_Q36. What was the total area of %rosteritle% during 1 July 2023 to 30 June 2024?

NUMERIC: DECIMAL

S4_Q36

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

S4_Q36_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.

SINGLE-SELECT

S4_Q36_unit

- 01 Hectares
- 02 Ares
- 03 Square meters

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.

S4_Q37. What was the area of %rosteritle% in production during 1 July 2023 to 30 June 2024?

NUMERIC: DECIMAL

S4_Q37

SPECIAL VALUES

-999 All of the area

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.

S4_Q38. What was the number of **%rosteritle%** trees?

NUMERIC: INTEGER

S4_Q38

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.

S4_Q39. What was the number of productive **%rosteritle%** trees?

NUMERIC: INTEGER

S4_Q39

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%).

SPECIAL VALUES

-999 All trees

VARIABLE

LONG

PRODTREE

S4_Q39== -999 ? S4_Q38 : S4_Q39

S4_Q40. In what year were most of the **%rosteritle%** trees planted?

NUMERIC: INTEGER

S4_Q40

V1 self.InRange(1950,2024) || self== -99
 M1 Please select a relevant year.

SPECIAL VALUES

-99 Don't know

VARIABLE

DOUBLE

AREA_PLANTPERMHA

IsAnswered(S4_Q36) ? (S4_Q36_unit==1 ? S4_Q36 : (S4_Q36_unit==2 ? S4_Q36/100 : S4_Q36/1000)) : S4_Q38/Treepaha[@rowcode].treepaha

VARIABLE

DOUBLE

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 : (IsAnsw

[And 105 other symbols \[6\]](#)

S4_Q41. What was the total quantity of **%rosteritle%** harvested during 1 July 2023 through 30 June 2024?

NUMERIC: DECIMAL

S4_Q41

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.

**S4_Q41_unit. DO NOT READ OUT LOU
D: Unit mentioned by the respondent.**

SINGLE-SELECT S4_Q41_unit

- 01 Kilograms
- 02 Tonnes

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.

VARIABLE

DOUBLE YIELD_PERM

S4_Q41_unit==1 ? S4_Q41/AREA_HARVESTPERMHA : S4_Q41*1000/AREA_HARVESTPERMHA

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 %rosteritle% 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 %rosteritle%?

SINGLE-SELECT S4_Q42

- 01 Yes
- 00 No

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

S4_Q43. How much of the %rosteritle% harvested during 1 July 2023 through 30 June 2024 season is being stored in unprocessed form by your household?

NUMERIC: INTEGER S4_Q43

E S4_Q42==1

S4_Q43_unit. Unit mentioned by the respondent.

SINGLE-SELECT S4_Q43_unit

- 01 Kilograms
- 02 Tonnes

E IsAnswered(S4_Q43) && S4_Q43>0

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

M1 Stored quantity cannot be greater than the total %rosteritle% production. Please check.

VARIABLE

STRING STORE_TEXT2

S4_Q42==1 ? ", រួមបញ្ចូលទាំងផលិតកម្មក្តី" : " "

S4_Q44. Did your holding use the **%rosteritle%** production from the %S4_PARCEL HOMELOT% %STORE_TEXT2% for any of the following purposes?

MULTI-SELECT

S4_Q44

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

I * Read answers. Select all that apply.

F (@optioncode==1 && Holding_TYPE==1) || @optioncode.In List(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 **%rosteritle%** for own-consumption only and does not store any. Please confirm.

VARIABLE

LONG

Count_S4_Q44

(IsAnswered(S4_Q45)?1:0) + (IsAnswered(S4_Q46)?1:0) + (IsAnswered(S4_Q48)?1:0) + (IsAnswered(S4_Q49)?1:0) + (IsAnswered(S4_Q50)?1:0) + (IsAnswered(S4_Q51)?1:0)

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

NUMERIC: INTEGER

S4_Q45

SPECIAL VALUES

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

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 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_Q46??0)-(S4_Q48??0)-(S4_Q49??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_Q46??0)-(S4_Q48??0)-(S4_Q49??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.

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.

S4_Q46. Approximately what share of your **%rosteritle%** production **%STORE_TEX T2%** was for selling?

NUMERIC: INTEGER

S4_Q46

SPECIAL VALUES

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

- 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 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_Q48??0)-(S4_Q49??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_Q48??0)-(S4_Q49??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.

S4_Q47. What was the unit price of last sale of **%rosteritle%** per kg?

NUMERIC: INTEGER

S4_Q47

- 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 kg is highly unlikely. Please revise.

S4_Q48. Approximately what share of your **%rosteritle%** production %STORE_TEXT2% was used for planting as seed?

NUMERIC: INTEGER

S4_Q48

SPECIAL VALUES

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

- 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???)-(S4_Q46???)-(S4_Q49???)-(S4_Q50???)-(S4_Q51???) || 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???)-(S4_Q46???)-(S4_Q49???)-(S4_Q50???)-(S4_Q51???) || 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.

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

NUMERIC: INTEGER

S4_Q49

SPECIAL VALUES

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

- 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???)-(S4_Q46???)-(S4_Q48???)-(S4_Q50???)-(S4_Q51???) || 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???)-(S4_Q46???)-(S4_Q48???)-(S4_Q50???)-(S4_Q51???) || 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.

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

NUMERIC: INTEGER

S4_Q50

SPECIAL VALUES

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

- 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???)-(S4_Q46???)-(S4_Q48???)-(S4_Q49???)-(S4_Q51???) || 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???)-(S4_Q46???)-(S4_Q48???)-(S4_Q49???)-(S4_Q51???) || 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.

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

NUMERIC: INTEGER

S4_Q51

SPECIAL VALUES

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

- 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???)-(S4_Q46???)-(S4_Q48???)-(S4_Q49???)-(S4_Q50???) || 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???)-(S4_Q46???)-(S4_Q48???)-(S4_Q49???)-(S4_Q50???) || 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.

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?

MULTI-SELECT: YES/NO

S4_Q52

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))

- 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_Q52a. Approximately what share of your non-aromatic rice production was used for these processes?

NUMERIC: INTEGER

S4_Q52a

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.

SPECIAL VALUES

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

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?

MULTI-SELECT: YES/NO

S4_Q53

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))

- 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_Q53a. Approximately what share of your aromatic rice production was used for these processes?

NUMERIC: INTEGER

S4_Q53a

SPECIAL VALUES

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

- 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.

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

S4_Q54

- 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

- 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))

S4_Q54a. Approximately what share of your maize production was used for these processes?

NUMERIC: INTEGER

S4_Q54a

SPECIAL VALUES

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

- I * In %
- E S4_Q54.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.

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

S4_Q55

- 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

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))

S4_Q55a. Approximately what share of your cashew production was used for these processes?

NUMERIC: INTEGER

S4_Q55a

SPECIAL VALUES

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

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.

S4_Q56. Did you produce any of the following cassava products on farm using your own cassava during 1 July 2023 through 30 June 2024?

MULTI-SELECT: YES/NO

S4_Q56

- 01 / Drying: Producing dried cassava chips
- 02 / Milling: Grinding dried cassava into flour
- 03 / Starch Extraction: Extracting starch for food and industrial use
- 04 / Fermentation: Producing cassava-based alcoholic beverages
- 05 / Animal Feed: Processing cassava for livestock feed
- 06 / Tapioca Production: Making tapioca pearls and products

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(203))

S4_Q56a. Approximately what share of your cassava production was used for these processes?

NUMERIC: INTEGER

S4_Q56a

SPECIAL VALUES

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

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.

S4_Q57. Did you produce any of the following rubber products on farm using your own rubber during 1 July 2023 through 30 June 2024?

MULTI-SELECT: YES/NO

S4_Q57

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(931))

- 01 / Coagulation: Converting latex into solid rubber using acids
- 02 / Drying: Drying rubber sheets or blocks to remove moisture
- 03 / Vulcanization: Adding sulfur to rubber and heating to increase strength and elasticity
- 04 / Compounding: Mixing rubber with various chemicals to achieve desired properties
- 05 / Molding/Extrusion: Shaping rubber into tires, tubes, and other commercial products

S4_Q57a. Approximately what share of your rubber production was used for these processes?

NUMERIC: INTEGER

S4_Q57a

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.

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?

MULTI-SELECT: YES/NO

S4_Q58

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))

- 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?

NUMERIC: INTEGER

S4_Q58a

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.

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?

MULTI-SELECT: YES/NO

S4_Q59

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))

- 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?

NUMERIC: INTEGER

S4_Q59a

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.

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?

NUMERIC: INTEGER

S4_Q61a

SPECIAL VALUES

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

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.

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?

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

I * Please include only on-farm processing of own-produced commodities * Select all that apply * Enumerator to prompt for each process
 E S4_PARCELOT.Any(x=>x.S4_Q02.ContainsAny(911))

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

NUMERIC: INTEGER

S4_Q62a

SPECIAL VALUES

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

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.

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

MULTI-SELECT: YES/NO

S4_Q63

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))

- 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?

NUMERIC: INTEGER

S4_Q63a

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.

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 Bougainvillea
- 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

<p>S5_Q01. How many varieties of %rosteritle% did you grow during 1 July 2023 through 30 June 2024?</p> <p>V1 self.InRange(1,5)</p> <p>M1 Must be higher than 0 and can not use varieties more than 5.</p>	<p>NUMERIC: INTEGER S5_Q01</p> <p>-----</p>
<p>VARIABLE</p> <p>// Permanent crops or sugarcane (\$permcrop @rowcode==441) ? "គ្រាប់ដុះ/ការកាត់/រុក្ខជាតិ/ដើមឈើ" : "ពូជ"</p>	<p>STRING SEEDTEXT</p>
<p>S5_Q02. Were the %rosteritle% 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?</p> <p>I * Select one that apply</p> <p>E @rowcode.InList(101, 102, 103, 105, 302, 402, 527)</p>	<p>MULTI-SELECT S5_Q02</p> <p>01 <input type="checkbox"/> Modern varieties, certified seeds</p> <p>02 <input type="checkbox"/> Modern varieties, uncertified seeds</p> <p>03 <input type="checkbox"/> Traditional varieties</p>
<p>S5_Q03. Were the certified seeds of %rosteritle% genetically modified?</p> <p>E S5_Q02.Contains(1)</p>	<p>SINGLE-SELECT S5_Q03</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't know</p>
<p>S5_Q04. What was the average length of the growing period for the %rosteritle% varieties you used?</p> <p>I * In days</p> <p>E @rowcode.InList(101, 102, 103)</p> <p>V1 self.InRange(75,217)</p> <p>M1 This value does not seem reasonable. Please check.</p>	<p>NUMERIC: INTEGER S5_Q04</p> <p>-----</p>

S5_Q05. What are the reasons why you choose 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 %
rosteritle% %SEEDTEXT% planted durin
g 1 July 2023 through 30 June 2024?

NUMERIC: DECIMAL

S5_Q08

I * For permanent crops, if not planted during the reference pe
riod, please enter 0.

V1 self>=0

M1 Must be higher or equal to 0.

S5_Q08_unit. **DO NOT READ OUT LOU
D: Unit mentioned by the respondent.**

SINGLE-SELECT

S5_Q08_unit

01 Grammes02 Kilograms03 Tons04 Seedlings/cuttings/pl
ants/trees

F @optioncode.InList(1,2,3) || (@optioncode==4 & \$permcrop)

E IsAnswered(S5_Q08) && S5_Q08>0

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 % rostertitle% 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 LOU D: 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 **%rosteritl e%** 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 (S4_PARCELHOMELOT.Any(x=>x.S4_CROP.Any(y=>(y.CROPCODE.InRange(100,701) || y.CROPCODE.InList(830,863,945,997)) && IsAnswered(y.S4_Q05) && y.S4_Q05.Conta [And 361 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 **%rosteritl e%** 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 (S4_PARCELHOMELOT.Any(x=>x.S4_CROP.Any(y=>(y.CROPCODE.InRange(801,829) || y.CROPCODE.InRange(831,862) || y.CROPCODE.InRange(864,943) || y.CROPCODE.InRa [And 527 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 **%rosteritle%** 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 %rosteritle% used that your holding purchased during 1 July 2023 through 30 June 2024?

NUMERIC: INTEGER

S5_Q13

SPECIAL VALUES

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

I * In %

E S5_Q12==1

V1 self.InRange(0,100)

M1 Comprised between 0 and 100.

S5_Q14. Who/which firm/institution was the source of %rosteritle% that you purchased during 1 July 2023 through 30 June 2024?

MULTI-SELECT

S5_Q14

01 Local merchant/grocery
 02 Government agency
 03 Farmer association
 04 Contractor
 88 Other

I * Select all that apply

E S5_Q12==1

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

E ELIGIBLE==1 && S1_Q07==1

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

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

Roster: %ROSTERTITLE%

generated by multi-select question [S6_Q03](#)

S6_Cropstored

<p>S6_Q05. What is the storage capacity of the buildings or structures used to store %rostartitle%?</p> <p>I * Please report the quantity</p>	<p>NUMERIC: INTEGER S6_Q05</p> <p>-----</p>
---	--

<p>S6_Q05_Unit. What is the unit of measurement for the quantity of %rosteritle%?</p> <p>E IsAnswered(S6_Q05)</p>	<p>SINGLE-SELECT S6_Q05_Unit</p> <p>01 <input type="radio"/> Kilograms</p> <p>02 <input type="radio"/> Tonnes</p>
<p>S6_Q06. What is the tenure of the buildings or structures used to store %rosteritle%?</p> <p>I * Please select as many as apply</p>	<p>MULTI-SELECT S6_Q06</p> <p>01 <input type="checkbox"/> Owned</p> <p>02 <input type="checkbox"/> Rented</p> <p>88 <input type="checkbox"/> Used under another arrangement (Specify)</p>
<p>S6_Q06_OTH. Other (Specify).</p> <p>E S6_Q06.Contains(88)</p>	<p>TEXT S6_Q06_OTH</p> <p>.....</p>
<p>S6_Q07. Identify the types of storage for cereals and pulses crops</p> <p>I * Please select as many as apply</p> <p>E S6_Q03.Contains(1) S6_Q04.Contains(1)</p>	<p>MULTI-SELECT S6_Q07</p> <p>01 <input type="checkbox"/> Silos</p> <p>02 <input type="checkbox"/> Granaries</p> <p>03 <input type="checkbox"/> Pots</p> <p>04 <input type="checkbox"/> Cribs or barns</p> <p>05 <input type="checkbox"/> Room storage</p> <p>06 <input type="checkbox"/> Piled on the ground</p> <p>88 <input type="checkbox"/> Other (specify)</p>
<p>S6_Q07_OTH. Other (Specify).</p> <p>E S6_Q07.Contains(88)</p>	<p>TEXT S6_Q07_OTH</p> <p>.....</p>
<p>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?</p> <p>E S6_Q01==1</p>	<p>SINGLE-SELECT S6_Q08</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>S6_Q09. If yes, how many were there?</p> <p>I * Please report the number owned and not-used</p> <p>E S6_Q08==1</p>	<p>NUMERIC: INTEGER S6_Q09</p> <p>-----</p>

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

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

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.

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 %rosteritle% and crop processing activity?

MULTI-SELECT

S6_Q11

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

I * Please select as many as apply

S6_Q11_OTH. Other (Specify).

TEXT

S6_Q11_OTH

E S6_Q11.Contains(88)

.....

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.

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

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

<p>S7_Q04. Does the holding have a production and/or marketing contract for %rosteritle% being raised?</p>	<p>SINGLE-SELECT S7_Q04</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
--	---

<p>S7_Q05. Does the contract cover 100% of the %rosteritle% grown by the holding (exclusive contract)?</p> <p>E S7_Q04==1</p>	<p>SINGLE-SELECT S7_Q05</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>S7_Q06. What is the holding's main reason for owning/keeping %rosteritle% during 1 July 2023 through 30 June 2024?</p> <p>F @optioncode.InList(1,2,3,4,5,6,8,88) (@optioncode==7 && @rowcode.InList(101,102))</p>	<p>SINGLE-SELECT S7_Q06</p> <p>01 <input type="radio"/> Live sale</p> <p>02 <input type="radio"/> Livestock product sale</p> <p>03 <input type="radio"/> Food for the family</p> <p>04 <input type="radio"/> Savings and insurance</p> <p>05 <input type="radio"/> Social status/prestige</p> <p>06 <input type="radio"/> Crop agriculture (manure, draught power)</p> <p>07 <input type="radio"/> Transport</p> <p>08 <input type="radio"/> Breeding</p> <p>88 <input type="radio"/> Other</p>
<p>VARIABLE</p> <p>@rowcode.InList(101,102) ? 2 : 1</p>	<p>DOUBLE LIVESTOCKAGE</p>
<p>S7_Q07. As of 1st July 2024, how many %rosteritle% did the holding have in total?</p> <p>V1 Holding_TYPE==1 && self.InRange(0,Animals_in_HH[@rowcode].maxnumHH) Holding_TYPE==2 && self.InRange(0,Animals_in_JH[@rowcode].maxnumJH)</p> <p>M1 The number of livestock on the farm seems unlikely. If confirmed, please insert comments.</p>	<p>NUMERIC: INTEGER S7_Q07</p> <p>-----</p>
<p>S7_Q08. As of 1st July 2024, how many male %rosteritle% of less than %LIVESTOCKAGE% years old did the holding have?</p> <p>E S7_Q07>0 && Holding_TYPE==1</p> <p>V1 self.InRange(0,S7_Q07)</p> <p>M1 Must be higher or equal to 0 and lower or equal to S7_Q07.</p>	<p>NUMERIC: INTEGER S7_Q08</p> <p>-----</p>
<p>S7_Q09. As of 1st July 2024, how many female %rosteritle% of less than %LIVESTOCKAGE% years old did the holding have?</p> <p>E S7_Q07>0 && Holding_TYPE==1</p> <p>V1 self.InRange(0,S7_Q07 - S7_Q08)</p> <p>M1 Must be higher or equal to 0 and lower or equal to S7_Q07.</p>	<p>NUMERIC: INTEGER S7_Q09</p> <p>-----</p>

S7_Q10. As of 1st July 2024, how many male **%rosteritle%** older than %LIVESTOCKAGE% years old did the holding have?

NUMERIC: INTEGER

S7_Q10

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.

S7_Q11. As of 1st July 2024, how many female **%rosteritle%** older than %LIVESTOCKAGE% years old did the holding have?

NUMERIC: INTEGER

S7_Q11

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.

STATIC TEXT

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

STATIC TEXT

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

S7_Q12. How many **%rosteritle%** 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)
M1 The number of births seems to be out of the expected range. Please confirm.

SPECIAL VALUES

00 None

S7_Q13. How many **%rosteritle%** 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)
M1 The number of animals bought alive seems to be out of the expected range. Please confirm

SPECIAL VALUES

00 None

S7_Q14. What was the price per **%rosteritle%** 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 %rosteritle% were received, including under the form of exchange?

NUMERIC: INTEGER

S7_Q15

SPECIAL VALUES

00 None

V1 Holding_TYPE==1 && self.InRange(0,Animals_in_HH[@rowcode].receivedHH) || Holding_TYPE==2 && self.InRange(0,Animals_in_JH[@rowcode].receivedJH)

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

S7_Q16. How many %rosteritle% died from natural cause, from illness, etc.?

NUMERIC: INTEGER

S7_Q16

SPECIAL VALUES

00 None

V1 Holding_TYPE==1&&self.InRange(0,Animals_out_HH[@rowcode].deathHH) || Holding_TYPE==2&&self.InRange(0,Animals_out_JH[@rowcode].deathJH)

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

S7_Q17. How many %rosteritle% were sold alive?

NUMERIC: INTEGER

S7_Q17

SPECIAL VALUES

00 None

V1 Holding_TYPE==1 && self.InRange(0,Animals_out_HH[@rowcode].soldHH) || Holding_TYPE==2 && self.InRange(0,Animals_out_JH[@rowcode].soldJH)

M1 The number of animals that were sold seems to be out of the expected range. Please confirm.

S7_Q18. What was the price per %rosteritle% 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 %rosteritle% got stolen?

NUMERIC: INTEGER

S7_Q19

SPECIAL VALUES

00 None

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.

S7_Q20. How many %rosteritle% did you give away as gift, donation, etc.?

NUMERIC: INTEGER

S7_Q20

SPECIAL VALUES

00 None

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.

S7_Q21. How many %rosteritle% were slaugthered for consumption or for sale as meat?

NUMERIC: INTEGER

S7_Q21

SPECIAL VALUES

00 None

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

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

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 %rosteritle% on the holding on 1st July 2024 but the holding reported raising %rosteritle% on the reference period, then it means that the holding sold, gave away, slaughtered or lost his %rosteritle% 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 %rosteritle% before they were slaughtered?

NUMERIC: INTEGER

S7_Q22

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.

S7_Q23. How many of these %S7_Q21% slaughtered %rosteritle% were consumed by the holding?

NUMERIC: INTEGER

S7_Q23

SPECIAL VALUES

00 None

E IsAnswered(S7_Q21) && S7_Q21>0

V1 self.InRange(0,S7_Q21)

M1 Must be comprised between 0 and %S7_Q21%.

S7_Q24. Has this holding sold some of the slaughtered %rosteritle% or their meat?

SINGLE-SELECT

S7_Q24

01 Yes

00 No

E IsAnswered(S7_Q23) && S7_Q23<S7_Q21

V1 IsAnswered(S7_Q23) && ((self==1 && S7_Q23<S7_Q21) || (self==0 && S7_Q23==S7_Q21))

M1 Please check consistency with S7_Q23 and S7_Q21.

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

NUMERIC: INTEGER

S7_Q25

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_Q21%, please correct.

<p>S7_Q26. What were the total revenues from these sales?</p> <p>I * In riels E S7_Q24==1 V1 self.InRange(100,S7_Q25*Animals_out_HH[@rowcode].slaughterKHR) M1 Revenue out of the expected range, please confirm.</p>	<p>NUMERIC: INTEGER S7_Q26</p> <p>-----</p>
<p>S7_Q27. Did the holding store any meat from the %rosteritle% slaughtered during 1 July 2023 to 30 June 2024?</p> <p>E IsAnswered(S7_Q21) && S7_Q21>0</p>	<p>SINGLE-SELECT S7_Q27</p> <p>01 <input type="radio"/> Yes 00 <input type="radio"/> No</p>
<p>S7_Q28. What is the main purposes for stocking %rosteritle%'s meat?</p> <p>E S7_Q27==1</p>	<p>SINGLE-SELECT S7_Q28</p> <p>01 <input type="radio"/> Food for the household 02 <input type="radio"/> For selling 03 <input type="radio"/> Render payment in-kind</p>
<p>S7_Q29. What practices were used by this holding to feed the livestock during 1 July 2023 through 30 June 2024?</p>	<p>SINGLE-SELECT S7_Q29</p> <p>01 <input type="radio"/> Only grazing, including scavenging 02 <input type="radio"/> Mainly grazing, including scavenging, with some feeding 03 <input type="radio"/> Mainly feeding, with some grazing, including scavenging 04 <input type="radio"/> Only feeding (no grazing or scavenging)</p>
<p>S7_Q30. What types of feed were used by this holding to feed the livestock during 1 July 2023 through 30 June 2024?</p> <p>I * Select all that apply E S7_Q29.InList(2,3,4)</p>	<p>MULTI-SELECT S7_Q30</p> <p>01 <input type="checkbox"/> Feed crops/forage 02 <input type="checkbox"/> Tree leaves 03 <input type="checkbox"/> Crop residues (e.g., straw or stover) 04 <input type="checkbox"/> Agro-industrial by-products (e.g., oilseed cakes, molasses or cereal brans) 05 <input type="checkbox"/> Concentrates 06 <input type="checkbox"/> Swill and holding's wastes</p>
<p>VARIABLE</p> <p>S7_Q12 + S7_Q13 + S7_Q15 + S7_Q16 + S7_Q17 + S7_Q19 + S7_Q20 + S7_Q21</p>	<p>LONG n_change</p>

<p>S7_Q31. Did you milk any %rosteritle% during 1 July 2023 through 30 June 2024?</p> <p>E @rowcode==101</p>	<p>SINGLE-SELECT S7_Q31</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
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SECTION 7: LIVESTOCK PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024 / ROSTER: LIVESTOCK - %ROSTERTITLE%
PART 2: MILK PRODUCTION

E S7_Q31==1

<p>S7_Q32. For how many months on average were %rosteritle% milked during 1 July 2023 through 30 June 2024?</p> <p>I * Number of months</p> <p>V1 self.InRange(1,12)</p> <p>M1 Must be comprised between 1 and 12 months.</p>	<p>NUMERIC: INTEGER S7_Q32</p> <p>-----</p>
<p>S7_Q33. During these months, how many %rosteritle% were milked on average each month?</p> <p>I * Average number of milked %rosteritle%</p> <p>V1 self >= 1 && self <= (S7_Q07 + n_change)</p> <p>M1 Number of %rosteritle% milked seems unlikely, please check.</p>	<p>NUMERIC: INTEGER S7_Q33</p> <p>-----</p>
<p>S7_Q33_day. During these months, for how many days per week on average were these %rosteritle% milked?</p> <p>I * Number of days per week</p> <p>V1 self.InRange(1,7)</p> <p>M1 Please enter a valid number of days per week.</p>	<p>NUMERIC: INTEGER S7_Q33_day</p> <p>-----</p>
<p>S7_Q34. During these months, what was the average quantity of milk produced each day from all %rosteritle%?</p> <p>I * Average quantity of milk produced per day; in litres</p> <p>V1 //Set the maximum to 10L per animal per day self>=0 && self<=S7_Q33*10</p> <p>M1 This quantity seems unlikely, please confirm.</p>	<p>NUMERIC: INTEGER S7_Q34</p> <p>-----</p>

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

NUMERIC: INTEGER

S7_Q35

SPECIAL VALUES

000 None

-999 All of the milk produced

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.

S7_Q36. During these months, did the holding sell any of the **%rosteritle%** 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 **%rosteritle%** 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 **%rosteritle%** 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.

SECTION 7: LIVESTOCK PRODUCTION FROM 1 JULY 2023 TO 30 JUNE 2024 / ROSTER: LIVESTOCK - **%ROSTERTITLE%**
PART 3: OTHER LIVESTOCK PRODUCTS

S7_Q39.Has your holding been producing any of the following **%rostertitle%** products during 1 July 2023 through 30 June 2024?

MULTI-SELECT

S7_Q39

- 01 Meat Packaging: Using advanced packaging for preservation
- 02 Meat Curing and Processing: Producing cured meats like beef jerky, sausages, bacon, ham
- 03 By-product Utilization: Producing products from bones, blood, and other by-products
- 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

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.

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

generated by multi-select question [S7_Q39](#)

livestock_products

E @rowcode!=0

S7_Q40. What is the quantity of **%rostertitle%** produced during 1 July 2023 through 30 June 2024?

NUMERIC: INTEGER

S7_Q40

V1 self>0

M1 Livestock product must be more than 0, Please correct.

S7_Q40_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.

SINGLE-SELECT

S7_Q40_unit

- 01 Kg
- 02 Litre

E IsAnswered(S7_Q40) && S7_Q40>0

S7_Q41. Did the holding sell any **%rostertitle%** during 1 July 2023 through 30 June 2024?

SINGLE-SELECT

S7_Q41

- 01 Yes
- 00 No

S7_Q42. What is the quantity of **%rosteritle%** sold during 1 July 2023 through 30 June 2024?

NUMERIC: INTEGER

S7_Q42

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 **%rosteritle%** 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

<p>S8_Q01. Does the holding have a production and/or marketing contract for %rosteritle% being raised?</p>	<p>SINGLE-SELECT S8_Q01</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>S8_Q02. Does the contract cover 100% of the %rosteritle% grown by the holding (exclusive contract)?</p> <p>E s8_q01==1</p>	<p>SINGLE-SELECT S8_Q02</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>S8_Q03. What is the household's main reason for owning/keeping %rosteritle% during 1 July 2023 through 30 June 2024?</p>	<p>SINGLE-SELECT S8_Q03</p> <p>01 <input type="radio"/> Live sale</p> <p>02 <input type="radio"/> Poultry product sale</p> <p>03 <input type="radio"/> Food for the family</p> <p>04 <input type="radio"/> Savings and insurance</p> <p>05 <input type="radio"/> Social status/prestige</p> <p>06 <input type="radio"/> Crop agriculture (manure)</p> <p>07 <input type="radio"/> Breeding</p> <p>88 <input type="radio"/> Other</p>
<p>S8_Q04. How many %rosteritle% did the holding have as of 1st July 2024?</p> <p>I * Number of heads</p> <p>V1 Holding_TYPE==1 && self.InRange(0,Animals_in_HH[@rowcode].maxnumHH) Holding_TYPE==2 && self.InRange(0,Animals_in_JH[@rowcode].maxnumJH)</p> <p>M1 The inventory of poultry (%S8_Q04%) seems to be out of the expected range. Please confirm.</p>	<p>NUMERIC: INTEGER S8_Q04</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>00 <input type="radio"/> None</p>

STATIC TEXT

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

<p>S8_Q05. How many %rosteritle% births did the holding have?</p> <p>V1 <code>holding_TYPE==1 && self.InRange(0,Animals_in_HH[@rowcode].birthHH) holding_TYPE==2 && self.InRange(0,Animals_in_JH[@rowcode].birthJH)</code></p> <p>M1 The number of births seems to be out of the expected range. Please confirm.</p>	<p style="text-align: right;">NUMERIC: INTEGER S8_Q05</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>00 None</p>
<p>S8_Q06. How many %rosteritle% were bought alive?</p> <p>V1 <code>holding_TYPE==1 && self.InRange(0,Animals_in_HH[@rowcode].boughtHH) holding_TYPE==2 && self.InRange(0,Animals_in_JH[@rowcode].boughtJH)</code></p> <p>M1 The number of animals bought alive seems to be out of the expected range. Please confirm.</p>	<p style="text-align: right;">NUMERIC: INTEGER S8_Q06</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>00 None</p>
<p>S8_Q07. What was the price per %rosteritle% head on your last purchase?</p> <p>I * In riels * If several animals purchased last time, average price</p> <p>E <code>IsAnswered(S8_Q06) && S8_Q06>0</code></p> <p>V1 <code>self.InRange(Animals_in_HH[@rowcode].minKHR, Animals_in_HH[@rowcode].maxKHR)</code></p> <p>M1 Unit price of %self% riels per head seems to be out of the expected range. Please confirm.</p>	<p style="text-align: right;">NUMERIC: INTEGER S8_Q07</p> <p>-----</p>
<p>S8_Q08. How many %rosteritle% were received, including under the form of exchange?</p> <p>V1 <code>holding_TYPE==1 && self.InRange(0,Animals_in_HH[@rowcode].receivedHH) holding_TYPE==2 && self.InRange(0,Animals_in_HH[@rowcode].receivedHH)</code></p> <p>M1 The number of animals received seems to be out of the expected range. Please confirm.</p>	<p style="text-align: right;">NUMERIC: INTEGER S8_Q08</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>00 None</p>
<p>S8_Q09. How many %rosteritle% died of natural causes, from illness, etc.?</p> <p>V1 <code>holding_TYPE==1 && self.InRange(0,Animals_out_HH[@rowcode].deathHH) holding_TYPE==2 && self.InRange(0,Animals_out_JH[@rowcode].deathJH)</code></p> <p>M1 The number of animals that died seems to be out of the expected range. Please confirm.</p>	<p style="text-align: right;">NUMERIC: INTEGER S8_Q09</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>00 None</p>

S8_Q10. How many **%rostartitle%** were sold alive?

NUMERIC: INTEGER

S8_Q10

SPECIAL VALUES

00 None

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)

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

S8_Q11. What was the **%rostartitle%** 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
S8_Q11_unit==1 ? S8_Q11 : S8_Q11*4000

DOUBLE

POULTRYSALE

S8_Q11_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.

SINGLE-SELECT

S8_Q11_unit

01 Riel per kg
02 Dollar per kg

E IsAnswered(S8_Q11) && S8_Q11>0

V1 POULTRYSALE.InRange(Animals_in_HH[@rowcode].minKHR,Animals_in_HH[@rowcode].maxKHR)

M1 Unit price of %POULTRYSALE% riels per kilogram seems to be out of the expected range. Please confirm.

S8_Q12. How many **%rostartitle%** were stolen?

NUMERIC: INTEGER

S8_Q12

SPECIAL VALUES

00 None

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.

S8_Q13. How many **%rostartitle%** were given away as gift, donation, etc.?

NUMERIC: INTEGER

S8_Q13

SPECIAL VALUES

00 None

V1 (Holding_TYPE==1 && self.InRange(0,Animals_out_HH[@rowcode].giftHH)) || (Holding_TYPE==2 && self.InRange(0,Animals_out_JH[@rowcode].giftJH))

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

S8_Q14. How many **%rosteritle%** were slaughtered for consumption or for sale as meat?

NUMERIC: INTEGER

S8_Q14

SPECIAL VALUES

00 None

V1 Holding_TYPE==1 && self.InRange(0,Animals_out_HH[@rowcode].slaughterHH) || Holding_TYPE==2 && self.InRange(0,Animals_out_JH[@rowcode].slaughterJH)

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

S8_Q15. What was the average weight of the **%rosteritle%** 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%** slaughtered **%rosteritle%** were consumed by the holding?

NUMERIC: INTEGER

S8_Q16

SPECIAL VALUES

00 None

E IsAnswered(S8_Q14) && S8_Q14>0

V1 self.InRange(0,S8_Q14)

M1 Must be comprised between 0 and **%S8_Q14%**.

S8_Q17. Has this holding sold some of the slaughtered **%rosteritle%** or their meat?

SINGLE-SELECT

S8_Q17

01 Yes

00 No

E IsAnswered(S8_Q16) && S8_Q16<S8_Q14

V1 IsAnswered(S8_Q16) && ((self==1 && S8_Q16<S8_Q14) || (self==0 && S8_Q16==S8_Q14))

M1 Please check consistency with S8_Q14 and S8_Q16.

S8_Q18. How many slaughtered **%rosteritle%** 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 these sales?

NUMERIC: INTEGER

S8_Q19

I * In riels

E S8_Q17==1

V1 self.InRange(100, S8_Q18*Animals_out_HH[@rowcode].slaughterKHR)

M1 Revenue out of the expected range, please confirm.

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

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 %rosteritle%?

NUMERIC: INTEGER

S8_Q25

SPECIAL VALUES

12 Every month

V1 self.InRange(1,12)

M1 Number of months in a year cannot be greater than 12. Please correct.

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

NUMERIC: INTEGER

S8_Q26

SPECIAL VALUES

31 Every day in the month

V1 self.InRange(0,31)

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

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

NUMERIC: INTEGER

S8_Q27

I * Number of eggs

V1 self.InRange(0, (S8_Q04+S8_Q09+S8_Q10+S8_Q12+S8_Q13+S8_Q14)*2)

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

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

NUMERIC: INTEGER

S8_Q28

SPECIAL VALUES

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

I * In %

E Holding_TYPE==1

V1 self.InRange(0,100)

M1 Invalid percentage, please enter correct value.

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

NUMERIC: INTEGER

S8_Q29

SPECIAL VALUES

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

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.

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

NUMERIC: INTEGER

S8_Q30

I * In riels

E IsAnswered(S8_Q29) && S8_Q29>0

V1 self>300

M1 Must be higher than 300.

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

NUMERIC: INTEGER

S8_Q30_unit

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.

SPECIAL VALUES

01 Per egg

02 Per 10 eggs

03 Per tray (30 eggs)

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

NUMERIC: INTEGER

S8_Q31

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.

SPECIAL VALUES

000 None

025 One-quarter (1/4)

050 Half

075 Three-quarters (3/4)

100 All

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

NUMERIC: INTEGER

S8_Q32

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.

SPECIAL VALUES

000 None

025 One-quarter (1/4)

050 Half

075 Three-quarters (3/4)

100 All

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

NUMERIC: INTEGER

S8_Q33

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.

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

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

<p>S8_Q35. What is the quantity of %rosteritle% produced during 1 July 2023 through 30 June 2024?</p> <p>V1 self>0</p> <p>M1 Poultry product must be more than 0, Please correct.</p>	<p>NUMERIC: INTEGER S8_Q35</p> <p>-----</p>
<p>S8_Q35_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.</p> <p>E IsAnswered(S8_Q35) && S8_Q35>0</p>	<p>SINGLE-SELECT S8_Q35_unit</p> <p>01 <input type="radio"/> Kg</p> <p>02 <input type="radio"/> Litre</p>
<p>S8_Q36. Did the holding sell any %rosteritle% during 1 July 2023 through 30 June 2024?</p>	<p>SINGLE-SELECT S8_Q36</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

S8_Q37. What is the quantity of **%rosteritle%** 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 **%rosteritle%** 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 least 10,000 and over. Please correct.

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

E ELIGIBLE==1 && S1_Q08==1

<p>S9_Q01. Did the holding use non-residential building or structures for Livestock or Poultry purposes during 1 July 2023 through 30 June 2024?</p>	<p>SINGLE-SELECT S9_Q01</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>S9_Q02. If yes, how many do you have?</p> <p>I * Number</p> <p>E S9_Q01==1</p> <p>V1 self>0</p> <p>M1 Number building must be > 0, please correct.</p>	<p>NUMERIC: INTEGER S9_Q02</p> <p>-----</p>
<p>S9_Q03. What buildings or structures were used by this holding for livestock or poultry during 1 July 2023 to 30 June 2024?</p> <p>I * Please select as many as apply</p> <p>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_LIVESTOCK.Contains(1)))</p> <p>And 62 other symbols [1]</p> <p>E S9_Q01==1</p>	<p>MULTI-SELECT S9_Q03</p> <p>01 <input type="checkbox"/> Housing of large or small livestock</p> <p>02 <input type="checkbox"/> Housing of poultry</p> <p>03 <input type="checkbox"/> Milking</p> <p>04 <input type="checkbox"/> Production of dairy products</p> <p>05 <input type="checkbox"/> Meat production (slaughtering and first cuts)</p> <p>06 <input type="checkbox"/> Meat processing</p> <p>07 <input type="checkbox"/> Preparation of hides and skins and/or production of leather goods</p> <p>08 <input type="checkbox"/> Storage for livestock-related machinery and equipment</p> <p>88 <input type="checkbox"/> Other purposes (Specify)</p>
<p>S9_Q03_OTH. Other (Specify).</p> <p>E S9_Q03.Contains(88)</p>	<p>TEXT S9_Q03_OTH</p> <p>-----</p>

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 %rosteritle%?

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 %rosteritle% also used to house humans?

SINGLE-SELECT

S9_Q05

- 01 Yes
- 00 No

S9_Q06. In addition to the buildings for livestock or poultry that you just listed, did the holding own and not use any other non-residential building or structures for livestock or poultry purposes 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

<p>S10_Q01. What is the type of production facility used during 1 July 2023 through 30 June 2024?</p> <p>I * Select all that apply</p>	<p>MULTI-SELECT S10_Q01</p> <p>01 <input type="checkbox"/> Pond</p> <p>02 <input type="checkbox"/> Pen</p> <p>03 <input type="checkbox"/> Cage</p> <p>04 <input type="checkbox"/> Paddy field</p> <p>05 <input type="checkbox"/> Culvert/tank/drum/aquarium</p> <p>06 <input type="checkbox"/> Hatchery/Nursery</p> <p>88 <input type="checkbox"/> Other</p>
<p>S10_Q02. How many times has the pond or rice field flooded in the last 10 years?</p> <p>E S10_Q01.ContainsAny(1,4)</p> <p>V1 (Holding_TYPE==1 && self<=8) (Holding_TYPE==2 && self<=2)</p> <p>M1 This seems like a high number of flooding events. Please confirm.</p>	<p>NUMERIC: INTEGER S10_Q02</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>00 None</p>
<p>S10_Q03. What size is the area used in the aquaculture activity?</p> <p>V1 self>0</p> <p>M1 Must be higher than 0.</p>	<p>NUMERIC: DECIMAL S10_Q03</p> <p>-----</p>
<p>S10_Q03_unit. DO NOT READ OUT LOUD: Unit mentioned by the respondent.</p> <p>E IsAnswered(S10_Q03) && S10_Q03>0</p> <p>V1 Holding_TYPE==1 && AQUAHA <= 0.5 Holding_TYPE==2 && AQUAHA <= 20</p> <p>M1 Aquaculture area seems too big. Please confirm.</p>	<p>SINGLE-SELECT S10_Q03_unit</p> <p>01 <input type="radio"/> Hectares</p> <p>02 <input type="radio"/> Ares</p> <p>03 <input type="radio"/> Square meters</p>
<p>VARIABLE</p> <p>S10_Q03_unit==1 ? S10_Q03 : (S10_Q03_unit==2 ? S10_Q03/100 : S10_Q03/10000)</p>	<p>DOUBLE AQUAHA</p>

<p>S10_Q04. What is the type of water used?</p>	<p>MULTI-SELECT S10_Q04</p> <p>01 <input type="checkbox"/> Marine water</p> <p>02 <input type="checkbox"/> Brackish water</p> <p>03 <input type="checkbox"/> Freshwater</p>
<p>I * Select all that apply</p>	
<p>S10_Q05. Identify the species raised during 1 July 2023 through 30 June 2024</p>	<p>MULTI-SELECT S10_Q05</p> <p>01 <input type="checkbox"/> Nile Tilapia</p> <p>02 <input type="checkbox"/> Silver barb</p> <p>03 <input type="checkbox"/> Common carp</p> <p>04 <input type="checkbox"/> Silver carp</p> <p>05 <input type="checkbox"/> Roho Labeo</p> <p>06 <input type="checkbox"/> Saltan Fish</p> <p>07 <input type="checkbox"/> Striped Catfish</p> <p>08 <input type="checkbox"/> Snakeskin Gouranmi</p> <p>09 <input type="checkbox"/> Red Tailed Tinfoil</p> <p>10 <input type="checkbox"/> Giant Snakehead</p> <p>11 <input type="checkbox"/> Striped Snakehead</p> <p>12 <input type="checkbox"/> Redtail catfish</p> <p>13 <input type="checkbox"/> Catfish</p> <p>14 <input type="checkbox"/> Eel</p> <p>15 <input type="checkbox"/> Frog</p> <p>16 <input type="checkbox"/> Giant Freshwater Prawn</p>
	<p>And 4 other symbols [7]</p>

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

<p>S10_Q06. What was the inventory of %roster% as of 1 July 2024?</p>	<p>NUMERIC: INTEGER S10_Q06</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>-99 Don't Know</p>
<p>I * Enter number of fish</p> <p>V1 self== -99 self >= 0</p> <p>M1 Must be higher or equal to 0.</p> <p>V2 self == -99 (holding_TYPE == 1 && self.InRange(0, 8000)) (holding_TYPE == 2 && self.InRange(0, 200000))</p> <p>M2 Fish inventory seems out of the reasonable range. Please confirm.</p>	
<p>S10_Q07. How many production cycles did you run during 1 July 2023 through 30 June 2024 for %roster%?</p>	<p>NUMERIC: INTEGER S10_Q07</p> <p>-----</p>
<p>V1 (holding_TYPE == 1 && self.InRange(1,4)) (holding_TYPE == 2 && self.InRange(1,2))</p> <p>M1 Production cycles should be between 1 to 4 times, please correct.</p>	

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

NUMERIC: DECIMAL

S10_Q08

SPECIAL VALUES

-99 Don't Know
00 No harvest

I * In kg

V1 (Holding_TYPE==1 && self.InRange(50,4000)) | (Holding_TYPE==2 && self.InRange(1000,2000)) || self== -99 || self==0

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

S10_Q09. What was the number of **%rosteritle%** that died from natural causes, illness, etc. during 1 July 2023 through 30 June 2024?

NUMERIC: INTEGER

S10_Q09

SPECIAL VALUES

-99 Don't Know
00 None

I * Enter number of fish

V1 self== -99 || self.InRange(0,1000)

M1 Must be higher or equal to 0.

S10_Q10. What is the main type of feed used for **%rosteritle%**?

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 **%rosteritle%** during 1 July 2023 through 30 June 2024.*

S10_Q11. Did your holding use the harvested **%rosteritle%** 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 products
- 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

LONG

LENGTH_S10_Q11

(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)

VARIABLE

LONG

Count_S10_Q11

(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)

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

NUMERIC: INTEGER

S10_Q12

SPECIAL VALUES

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

- 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.

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

NUMERIC: INTEGER

S10_Q13

SPECIAL VALUES

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

- 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.

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

NUMERIC: INTEGER

S10_Q14

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.

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

NUMERIC: INTEGER

S10_Q15

SPECIAL VALUES

100 All of it (100%)

075 Three quarters (75%)

050 Half (50%)

025 One quarter (25%)

000 Not consumed at all

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.

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

NUMERIC: INTEGER

S10_Q16

SPECIAL VALUES

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

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.

S10_Q17. What was the unit sale price of processed **%rosteritle%** 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 %rostartitle% production for other purposes (e.g. used as pay for labour as wages, given to service or input providers, lost, stolen, etc)?

NUMERIC: INTEGER

S10_Q18

SPECIAL VALUES

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

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 uses elected 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.

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?

MULTI-SELECT

S10_Q19

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

- 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?

MULTI-SELECT

S10_Q20a

I * Select all that apply

E RANDOM==1

- 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?

MULTI-SELECT

S10_Q20b

I * Select all that apply

E RANDOM==2

- 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 \[9\]](#)

<p>VARIABLE</p> <p>RANDOM==1 ? "ក្នុងរយៈពេល 1 ខែកក្កដា ឆ្នាំ 2023 ដល់ថ្ងៃទី 30 ខែមិថុនា ឆ្នាំ 2024"</p>	<p>STRING</p> <p>REFPERIOD</p>
<p>S10_Q21. Identify the species fished %R EFPERIOD% ?</p> <p>I * Select all that apply</p>	<p>MULTI-SELECT</p> <p>S10_Q21</p> <p>01 <input type="checkbox"/> Fish</p> <p>02 <input type="checkbox"/> Giant Freshwater Pra wn</p> <p>03 <input type="checkbox"/> Crab</p> <p>04 <input type="checkbox"/> Snails</p> <p>05 <input type="checkbox"/> Eel</p> <p>06 <input type="checkbox"/> Black tiger shrimp or whiteleg shrimp</p> <p>88 <input type="checkbox"/> Other</p>

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

<p>S10_Q22. For how many weeks have you or your household members been fishing %rostartitle% during the past 1 month?</p> <p>I * Number of weeks</p> <p>E RANDOM==1</p> <p>V1 self.InRange(1,4)</p> <p>M1 Cannot more than 4 weeks per month. Please correct.</p>	<p>NUMERIC: INTEGER</p> <p>S10_Q22</p> <p>-----</p>
<p>S10_Q23. During the past 1 month, how many days per week did your holding catc h %rostartitle% on average?</p> <p>I *number of days</p> <p>E IsAnswered(S10_Q22) && S10_Q22>0</p> <p>V1 self.InRange(1,7)</p> <p>M1 Number of days per week mustbe between 1 to 7 days, plea se correct.</p>	<p>NUMERIC: INTEGER</p> <p>S10_Q23</p> <p>-----</p>
<p>S10_Q24. For how many months has you r holding been fishing %rostartitle% durin g 1 July 2023 through 30 June 2024?</p> <p>I * Number of months</p> <p>E RANDOM==2</p> <p>V1 self.InRange(1,12)</p> <p>M1 Must be comprised between 1 and 12 months. Please chec k.</p>	<p>NUMERIC: INTEGER</p> <p>S10_Q24</p> <p>-----</p>

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

NUMERIC: INTEGER

S10_Q25

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.

STATIC TEXT

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

S10_Q26a. On a typical fishing day, on average, how much **%rosteritle%** did you collect during the past 1 month?

NUMERIC: DECIMAL

S10_Q26a

I * In kg

E RANDOM==1

V1 Holding_TYPE==1 && self.InRange(0.2,100) ||
Holding_TYPE==2 && self.InRange(10,1000)

M1 Must be comprised between 0.2 and 100 for HHs /10-1000 f or JHs.

S10_Q26b. On a typical fishing day, on average, how much **%rosteritle%** did you collect during 1 July 2023 through 30 June 2024?

NUMERIC: DECIMAL

S10_Q26b

I * In kg

E RANDOM==2

V1 Holding_TYPE==1 && self.InRange(0.2,100) ||
Holding_TYPE==2 && self.InRange(10,1000)

M1 Must be comprised between 0.2 and 100 for HHs /10-1000 f or JHs.

STATIC TEXT

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

S10_Q27a. Did your holding use the **%rosteritle%** that you caught for any of the following purposes during the past 1 month?

I * Read answers. Select all that apply.

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

E IsAnswered(S10_Q26a) && S10_Q26a>0

MULTI-SELECT

S10_Q27a

- 01 Unprocessed for own consumption
- 02 Unprocessed for sale
- 03 Processed Fish Products: Fish balls, crab sticks, prohok and other products
- 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 **%rosteritle%** 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 products
- 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

LONG

LENGTH_S10_Q27

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

[And 342 other symbols \[7\]](#)

<p>VARIABLE</p> <p>(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)</p>	<p>LONG</p> <p>Count_S10_Q27</p>
<p>S10_Q28. On a typical fishing day, what is the percentage share of the fished %ros tertile% used in unprocessed form for your household consumption?</p> <p>I * Include natural and processed * In %</p> <p>E (IsAnswered(S10_Q27a) && S10_Q27a.Contains(1)) (IsAnswered(S10_Q27b) && S10_Q27b.Contains(1))</p> <p>V1 self.InRange(1,100)</p> <p>M1 Value should be between 1 to 100%</p> <p>V2 (LENGTH_S10_Q27==1 && self==100) LENGTH_S10_Q27>1</p> <p>M2 Share of fish catch must be 100% if only use selected at S10_Q27.</p> <p>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</p> <p>M3 Sum of all use % must be equal to 100% when all use % have been informed.</p> <p>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</p> <p>M4 Sum of all use % must be lower than 100% since other uses have not been informed.</p> <p>V5 (RANDOM==1 && S10_Q26a*self/100 <= 800) (RANDOM==2 && S10_Q26b*self/100 <= 800)</p> <p>M5 This seems like a high value for own-consumption. Please confirm.</p>	<p>NUMERIC: INTEGER</p> <p>S10_Q28</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All of it (100%)</p> <p>075 Three quarters (75%)</p> <p>050 Half (50%)</p> <p>025 One quarter (25%)</p>

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

NUMERIC: INTEGER

S10_Q29

SPECIAL VALUES

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

I * Include product that was preserved to be sold by the holding * In %

E (IsAnswered(S10_Q27a) && S10_Q27a.Contains(2)) || (IsAnswered(S10_Q27b) &&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.

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

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 **%ros tertitle%** that you processed for own use for human consumption (e.g. fish sauce, prahok, fish balls, smoked fish etc.)?

NUMERIC: INTEGER

S10_Q31

SPECIAL VALUES

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

I * In %

E ((IsAnswered(S10_Q27a) && S10_Q27a.ContainsAny(3,4,5,6,7,8)) || (IsAnswered(S10_Q27b) && 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.

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

NUMERIC: INTEGER

S10_Q32

SPECIAL VALUES

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

I * In %

E (IsAnswered(S10_Q27a) && S10_Q27a.ContainsAny(3,4,5,6,7,8)) || (IsAnswered(S10_Q27b) && 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.

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 %ros tertitle% that you use for other purposes (used as pay for labour, given for inputs or service, gifts, etc.)?

NUMERIC: INTEGER

S10_Q34

SPECIAL VALUES

100 All of it (100%)

075 Three quarters (75%)

050 Half (50%)

025 One quarter (25%)

I * In %

E (IsAnswered(S10_Q27a) && S10_Q27a.Contains(88)) || (IsAnswered(S10_Q27b) && 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.

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.

MULTI-SELECT

S11_Q01

- 01 Work for other holdings using the production means (including equipment) of this holding
- 02 Making handicrafts
- 00 None

I * Select all that apply

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

M1 Cannot have "None" and another response. Please correct.

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 %rosteritle% 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 %rosteritle% 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?

SINGLE-SELECT

S11_Q04

- 01 Yes
- 00 No

I * Include activities conducted by the holder, co-holder, or any other occupants of the holding * On or off the holding

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

MULTI-SELECT

S11_Q05

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 %rosteritle% was collected part of this holding?

SINGLE-SELECT

S11_Q06

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

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

NUMERIC: INTEGER

S11_Q07

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 **%rosteritle%** 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 **%rosteritle%**, 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

- 01 Kilogram
- 02 Cubic meter
- 03 Litre
- 04 Stere
- 05 Tree
- 06 Bunch
- 07 Number
- 08 Ton

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

S11_Q10. How much **%rosteritle%** 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 **%rosteritle%** 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 **%rosteritle%**?

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 %rosteritle% 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 <input type="radio"/> Similar 02 <input type="radio"/> Greater 03 <input type="radio"/> 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 <input type="radio"/> None/close to 0 (Less than 10%) 02 <input type="radio"/> Less than half (10%-39%) 03 <input type="radio"/> About half (40%-59%) 04 <input type="radio"/> Most/almost all (60%-99%) 05 <input type="radio"/> 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 <input type="radio"/> Similar 02 <input type="radio"/> Greater 03 <input type="radio"/> 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_PRODUCESALESMARKETS

- 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 %rosteritle%?	MULTI-SELECT	S11_Q16
I * Select all that apply.	01 <input type="checkbox"/> Directly to end consumers 02 <input type="checkbox"/> To a local trader 03 <input type="checkbox"/> To a wholesaler 04 <input type="checkbox"/> To a retailer 05 <input type="checkbox"/> To a contract buyer 06 <input type="checkbox"/> To a producer group/farmers association/cooperative 07 <input type="checkbox"/> To other middlemen/collectors 88 <input type="checkbox"/> Other	

S11_Q17. How often did you sell the **%rosteritle%** during 1 July 2023 through 30 June 2024?

S11_Q17

SINGLE-SELECT

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 **%rosteritle%**?

S11_Q18

NUMERIC: INTEGER

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.

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

S11_Q19

SINGLE-SELECT

01 Bicycle/cycle

02 Pushcart

03 Animal draught

04 Private car/hand tractor/tractor

05 Private motorbike/moto cycle truck/ Tuktuk

06 Rented/hired transport

88 Other

E s11_q18> 0

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

S11_Q20

SINGLE-SELECT

01 Yes

00 No

E Holding_TYPE==1

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

S11_Q21

NUMERIC: INTEGER

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.

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

NUMERIC: INTEGER

S11_Q22

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.

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

SINGLE-SELECT

S11_Q23

01 Yes

00 No

I * Formal implies registered with government

E Holding_TYPE==1

S11_Q24. What are the focuses of the associations the holding is involved with?

MULTI-SELECT

S11_Q24

I * Select all that apply.

E S11_Q23==1

01 Crops growing

02 Livestock raising

03 Poultry raising

04 Capture fishing

05 Aquaculture

06 Forestry activities

07 Farming economic and administrative 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?

MULTI-SELECT

S11_Q25

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.

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?

MULTI-SELECT

S11_Q26

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.

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?

MULTI-SELECT

s12_q01

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

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.

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 **%rosteritle%** were OWNED by the holding as of 1 July 2024?

NUMERIC: INTEGER

s12_q02

I * Please report the number **%rosteritle%** OWNED

V1 self>=0

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

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

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

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.

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 %roster% were OWNED by the holding as of 1 July 2024?

NUMERIC: INTEGER

S12_Q04

I * Please report the number %roster% OWNED.

V1 self >= 0

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

S12_Q05. What was the average age of a ll %roster% OWNED as of 1 July 2024?

NUMERIC: INTEGER

S12_Q05

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

E S12_Q04 > 0

V1 self > 0

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

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

MULTI-SELECT

S12_Q06

- 01 Water pumps
- 02 Drip irrigation equipment
- 03 Sprinkler irrigation equipment
- 00 None of the above

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.

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 %roster% were OWNED by the holding as of 1 July 2024?

NUMERIC: INTEGER

S12_Q07

I * Please report the number %roster% OWNED

V1 self >= 0

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

S12_Q08. What was the average age of a ll **%rosteritle%** OWNED as of 1 July 2024?

NUMERIC: INTEGER

S12_Q08

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

E S12_Q07>0

V1 self>0

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

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

MULTI-SELECT

S12_Q09

- 01 Generators for the pr oduction of electricity
- 02 Computers, laptops, t ablets or smart phones u sed for farm managem e nt
- 03 Solar panel electricity (for any use)
- 04 Drone
- 00 None of the above

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.

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)

STATIC TEXT

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

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

NUMERIC: INTEGER

S12_Q10

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

V1 self>=0

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

S12_Q11. What was the average age of a ll **%rosteritle%** OWNED as of 1 July 2024?

NUMERIC: INTEGER

S12_Q11

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

E S12_Q10>0

V1 self>=0

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

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

NUMERIC: INTEGER

S12_Q12

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

V1 self >= 0

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

S12_Q13. How many **%rostartitle%** were RENTED by the holding during 1 July 2023 through 30 June 2024?

NUMERIC: INTEGER

S12_Q13

I * Please report the number **%rostartitle%** RENTED. Please record 0 if none. * Please report the number **%rostartitle%** RENTED for own operation - [And 142 other symbols \[3\]](#)

V1 S12_Q10+S12_Q12+S12_Q13 > 0

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

S12_Q14. Please confirm the number of **%rostartitle%** 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 **%rostartitle%** 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

- 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

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.

SECTION 12: MACHINERY AND EQUIPMENT

Roster: TRACTORS BULLDOZERS AND OTHER VEHICLES - **%ROSTARTITLE%**

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 **%rosteritle%** you OWNED, CO-OWNED and RENTED during 1 July 2023 through 30 June 2024.

<p>S12_Q16. How many %rosteritle% were OWNED by the holding as of 1 July 2024?</p> <p>I * Please report the number %rosteritle% OWNED. Please record 0 if none.</p> <p>V1 self>=0</p> <p>M1 Number of %rosteritle% must be equal or greater than 0, please correct.</p>	<p>NUMERIC: INTEGER S12_Q16</p> <p>-----</p>
<p>S12_Q17. What was the average age of all %rosteritle% OWNED as of 1 July 2024?</p> <p>I * Please report the average age in years of all %rosteritle% owned</p> <p>E S12_Q16>0</p> <p>V1 self>0</p> <p>M1 Please record 1 year if %rosteritle% just received less than 12 months ago.</p>	<p>NUMERIC: INTEGER S12_Q17</p> <p>-----</p>
<p>S12_Q18. How many %rosteritle% were CO-OWNED by the holding as of 1 July 2024?</p> <p>I * Please report the number %rosteritle% CO-OWNED. Please record 0 if none.</p> <p>V1 self>=0</p> <p>M1 Number of %rosteritle% must be equal or greater than 0, please correct.</p>	<p>NUMERIC: INTEGER S12_Q18</p> <p>-----</p>
<p>S12_Q19. How many %rosteritle% were RENTED by the holding during 1 July 2023 through 30 June 2024?</p> <p>I * Please report the number of %rosteritle% RENTED. Please record 0 if none. * Please report the number %rosteritle% RENTED for own operation And 145 other symbols [4]</p> <p>V1 S12_Q16 + S12_Q18 + S12_Q19>0</p> <p>M1 Number of %rosteritle% should at least be 1 in S12_Q16, S12_Q18 or S12_Q19. Please correct.</p>	<p>NUMERIC: INTEGER S12_Q19</p> <p>-----</p>
<p>S12_Q20. Please confirm the number of %rosteritle% used as of 1 July 2024 was %Total_tractor_bulldozer_vehicle% ?</p> <p>V1 self==1</p> <p>M1 Please go back and check number of %rosteritle% in questions S12_Q16, S12_Q18, S12_Q19 and correct.</p>	<p>SINGLE-SELECT S12_Q20</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

<p>VARIABLE S12_Q16 + S12_Q18 + S12_Q19</p>	<p>LONG Total_tractor_bulldozer_vehicle</p>
<p>S12_Q21. Which of the following Machine-powered Land preparation and Planting equipment did your holding use during 1 July 2023 through 30 June 2024?</p> <p>I * Please select as many as apply</p> <p>V1 self.ContainsOnly(0) (!self.ContainsAny(0) && self.Length>=1)</p> <p>M1 Cannot selected "None of the above" with any other codes.</p>	<p>MULTI-SELECT S12_Q21</p> <p>01 <input type="checkbox"/> Ploughs</p> <p>02 <input type="checkbox"/> Power tillers</p> <p>03 <input type="checkbox"/> Rotary harrows</p> <p>04 <input type="checkbox"/> Cultivators</p> <p>05 <input type="checkbox"/> Levellers</p> <p>06 <input type="checkbox"/> Grain drills</p> <p>07 <input type="checkbox"/> Seed/fertilizer drills</p> <p>08 <input type="checkbox"/> Broadcast seeders</p> <p>09 <input type="checkbox"/> Planters</p> <p>10 <input type="checkbox"/> Transplanters</p> <p>00 <input type="checkbox"/> None of the above</p>

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 **%rosteritle%** you OWNED, CO-OWNED and RENTED during 1 July 2023 through 30 June 2024.

<p>S12_Q22. How many %rosteritle% were OWNED by the holding as of 1 July 2024?</p> <p>I * Please report the number%rosteritle% OWNED. Please record 0 if none.</p> <p>V1 self>=0</p> <p>M1 Number of %rosteritle% must be equal or greater than 0, please correct.</p>	<p>NUMERIC: INTEGER S12_Q22</p> <p>-----</p>
<p>S12_Q23. What was the average age of all %rosteritle% OWNED as of 1 July 2024?</p> <p>I * Please report the average age in years of all %rosteritle% owned.</p> <p>E S12_Q22>0</p> <p>V1 self>0</p> <p>M1 Please record 1 year if %rosteritle% just received less than 12 months ago.</p>	<p>NUMERIC: INTEGER S12_Q23</p> <p>-----</p>

S12_Q24. How many **%rostartitle%** were CO-OWNED as of 1 July 2024?

NUMERIC: INTEGER

S12_Q24

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

V1 self >= 0

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

S12_Q25. How many **%rostartitle%** were RENTED by the holding during 1 July 2023 through 30 June 2024?

NUMERIC: INTEGER

S12_Q25

I * Please report the number **%rostartitle%** RENTED. Please record 0 if none. * Please report the number **%rostartitle%** RENTED for own operation - [And 142 other symbols \[5\]](#)

V1 S12_Q22 + S12_Q24 + S12_Q25 > 0

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

S12_Q26. Please confirm the number of **%rostartitle%** used as of 1 July 2024 was **%Total_machine_powered%** ?

SINGLE-SELECT

S12_Q26

01 Yes
00 No

V1 self == 1

M1 Please go back and check number **%rostartitle%** in questions S12_Q22, S12_Q24, S12_Q25 and correct.

VARIABLE

LONG

Total_machine_powered

S12_Q22 + S12_Q24 + S12_Q25

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

01 Fertilizer broadcaster
02 Sprayers
00 None of the above

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.

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 **%rostartitle%** you OWNED, CO-OWNED and RENTED during 1 July 2023 through 30 June 2024?*

S12_Q28. How many **%rosteritle%** were OWNED by the holding as of 1 July 2024?

NUMERIC: INTEGER

S12_Q28

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

V1 self >= 0

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

S12_Q29. What was the average age of all **%rosteritle%** OWNED as of 1 July 2024?

NUMERIC: INTEGER

S12_Q29

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

E S12_Q28 > 0

V1 self > 0

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

S12_Q30. How many **%rosteritle%** were CO-OWNED by the holding as of 1 July 2024?

NUMERIC: INTEGER

S12_Q30

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

V1 self >= 0

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

S12_Q31. How many **%rosteritle%** were RENTED by the holding during 1 July 2023 through 30 June 2024?

NUMERIC: INTEGER

S12_Q31

I * Please report the number **%rosteritle%** RENTED. Please record 0 if none. * Please report the number **%rosteritle%** RENTED for own operation - t [And 141 other symbols \[6\]](#)

V1 S12_Q28 + S12_Q30 + S12_Q31 > 0

M1 Number of **%rosteritle%** should at least be 1 in S12_Q28, S12_Q30 or S12_Q31. Please correct.

S12_Q32. Please confirm the number of **%rosteritle%** used as of 1 July 2024 was **%Total_machine_powercrops%**?

SINGLE-SELECT

S12_Q32

01 Yes
00 No

V1 self == 1

M1 Please go back and check number **%rosteritle%** in questions S12_Q28, S12_Q30, S12_Q31 and correct.

VARIABLE
S12_Q28 + S12_Q30 + S12_Q31

LONG

Total_machine_powercrops

S12_Q33. Which of the following Machine-powered Crop Harvesting Equipment did your holding use during 1 July 2023 through 30 June 2024?

MULTI-SELECT

S12_Q33

- 01 Mowers for grass crops
- 02 Hay balers
- 03 Forage blowers
- 04 Combine harvesters
- 00 None of the above

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.

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_Q33.Contains(0)

STATIC TEXT

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

S12_Q34. How many %rostartitle% were OWNED by the holding as of 1 July 2024?

NUMERIC: INTEGER

S12_Q34

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

V1 self>=0

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

S12_Q35. What was the average age of all %rostartitle% OWNED as of 1 July 2024?

NUMERIC: INTEGER

S12_Q35

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

E S12_Q34>0

V1 self>0

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

S12_Q36. How many %rostartitle% were CO-OWNED by the holding as of 1 July 2024?

NUMERIC: INTEGER

S12_Q36

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

V1 self>=0

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

S12_Q37. How many **%rostartitle%** were RENTED by the holding during 1 July 2023 through 30 June 2024?

NUMERIC: INTEGER

S12_Q37

I * Please report the number **%rostartitle%** RENTED. Please record 0 if none. * Please report the number **%rostartitle%** RENTED for own operation - [And 142 other symbols \[7\]](#)

V1 S12_Q34 + S12_Q36 + S12_Q37 > 0

M1 Number of **%rostartitle%** should at least be 1 in S12_Q34, S12_Q36 or S12_Q37. Please correct.

S12_Q38. Please confirm the number of **%rostartitle%** used as of 1 July 2024 was **%Total_machine_crop_harvest%**?

SINGLE-SELECT

S12_Q38

01 Yes
00 No

V1 self == 1

M1 Please go back and check number **%rostartitle%** in questions S12_Q34, S12_Q36, S12_Q37 again correct.

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

01 Threshers
02 Grain cleaners
03 Sorters and graders
00 None of the above

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.

SECTION 12: MACHINERY AND EQUIPMENT

Roster: MACHINE-POWERED CROP POST HARVESTING EQUIPMENT -

%ROSTARTITLE%

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 **%rostartitle%** you OWNED, CO-OWNED and RENTED during 1 July 2023 through 30 June 2024.*

S12_Q40. How many **%rosteritle%** were OWNED by the holding as of 1 July 2024?

NUMERIC: INTEGER

S12_Q40

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

V1 self>=0

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

S12_Q41. What was the average age of a **%rosteritle%** OWNED as of 1 July 2024?

NUMERIC: INTEGER

S12_Q41

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

E S12_Q40>0

V1 self>0

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

S12_Q42. How many **%rosteritle%** were CO-OWNED by the holding as of 1 July 2024?

NUMERIC: INTEGER

S12_Q42

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

V1 self>=0

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

S12_Q43. How many **%rosteritle%** were RENTED by the holding during 1 July 2023 through 30 June 2024?

NUMERIC: INTEGER

S12_Q43

I * Please report the number **%rosteritle%** RENTED. Please record 0 if none. * Please report the number RENTED for own operation - this does NOT include renting as a service [And 99 other symbols \[8\]](#)

V1 S12_Q40 + S12_Q42 + S12_Q43>0

M1 Number of **%rosteritle%** should at least be 1 in S12_Q40, S12_Q42 or S12_Q43. Please correct.

S12_Q44. Please confirm the number of **%rosteritle%** used as of 1 July 2024 was **%Total_machine_postharvest%** ?

SINGLE-SELECT

S12_Q44

01 Yes
00 No

V1 self==1

M1 Please go back and check number **%rosteritle%** in questions S12_Q40, S12_Q42, S12_Q43 again correct.

VARIABLE
S12_Q40 + S12_Q42 + S12_Q43

LONG

Total_machine_postharvest

S12_Q45. Which of the following Machine-powered Livestock Production Equipment did your holding use during 1 July 2023 through 30 June 2024?

MULTI-SELECT

S12_Q45

- 01 Milking machines
- 02 Milk coolers
- 03 Cream separators
- 04 Other dairy equipment (packing, etc.)
- 05 Incubators
- 06 Beekeeping equipment (honey extractors, etc.)
- 00 None of the above

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.

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 **%rosteritle%** you OWNED, CO-OWNED and RENTED during 1 July 2023 through 30 June 2024.

S12_Q46. How many **%rosteritle%** were OWNED by the holding as of 1 July 2024?

NUMERIC: INTEGER

S12_Q46

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

V1 self>=0

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

S12_Q47. What was the average age of all **%rosteritle%** OWNED as of 1 July 2024?

NUMERIC: INTEGER

S12_Q47

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

E S12_Q46>0

V1 self>0

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

S12_Q48. How many **%rostartitle%** were CO-OWNED by the holding as of 1 July 2024?

NUMERIC: INTEGER

S12_Q48

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

V1 self>=0

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

S12_Q49. How many **%rostartitle%** were RENTED by the holding during 1 July 2023 through 30 June 2024?

NUMERIC: INTEGER

S12_Q49

I * Please report the number **%rostartitle%** RENTED, Please record 0 if none. * Please report the number **%rostartitle%** RENTED for own operation - t [And 141 other symbols \[9\]](#)

V1 S12_Q46 + S12_Q48 + S12_Q49>0

M1 Number of **%rostartitle%** should at least be 1 in S12_Q46, S12_Q48 or S12_Q49. Please correct.

S12_Q50. Please confirm the number of **%rostartitle%** used as of 1 July 2024 was **%Total_machine_lproduction%**?

SINGLE-SELECT

S12_Q50

01 Yes

00 No

V1 self==1

M1 Please go back and check number **%rostartitle%** in questions S12_Q46, S12_Q48, S12_Q49 again correct.

VARIABLE

LONG

Total_machine_lproduction

S12_Q46 + S12_Q48 + S12_Q49

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

01 Yes

00 No

E S12_Q51==1

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

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

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 %rosteritle% during 1 July 2023 through 30 June 2024?

NUMERIC: INTEGER

S13_Q03

V1 self.InRange(1,4)
M1 Must be higher than 0 and less than 5.

S13_Q04. Did these shocks cause any physical harm to people working on the holding or cause any evacuation from the holding?

SINGLE-SELECT

S13_Q04

- 01 Yes
- 00 No

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

SINGLE-SELECT

S13_Q05

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

- 00 No impact
- 01 Slight impact
- 02 Moderate impact
- 03 Strong impact
- 04 Worst ever

S13_Q06. Thinking about the most severe occurrence of %rosteritle% during 1 July 2023 through 30 June 2024, which of the following impacts did the holding experience as a consequence?

MULTI-SELECT

S13_Q06

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.Contains(0))
M1 "No physical impact" cannot be selected with any other code. Please revise.

- 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/farm buildings
- 88 Other
- 00 No physical impact

S13_Q07. How severe were these physical impacts?

SINGLE-SELECT

S13_Q07

I * Read the answers.

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

- 01 Small losses/damages
- 02 Significant losses/damages
- 03 Almost total or total losses/damages

VARIABLE

S13_Q02[0]==1 ? "ព្យុះសង្ឃរា" : (S13_Q02[0]==2 ? "ទឹកជំនន់" : (S13_Q02[0]==3 ? "ការបាក់បែក" : (S13_Q02[0]==4 ? "គ្រោះរាំងស្ងួត" : (S13_Q02[0]==5 ? "សត្វល្អិតចង្រៃ" : (S13_Q02[0]==6 ? "ជំងឺឆ្លងដំណាំ

STRING

mostsevere

[And 95 other symbols \[8\]](#)

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, platinum, cash savings and money saved at the bank.

E Holding_TYPE==1

- 01 Yes
- 00 No

<p>S13_Q17. Does your household have more savings, less savings or the same amount of savings in June 2024 as in June 2023?</p> <p>E s13_q16==1</p>	<p>SINGLE-SELECT s13_q17</p> <p>01 <input type="radio"/> Same amount of savings</p> <p>02 <input type="radio"/> More savings</p> <p>03 <input type="radio"/> Less savings</p>
<p>S13_Q18. Does your household usually receive remittances from family members outside the household?</p> <p>E Holding_TYPE==1</p>	<p>SINGLE-SELECT s13_q18</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>S13_Q19. Does your household receive more remittances, less remittances or the same amount of remittances in June 2024 as in June 2023?</p> <p>E s13_q18==1</p>	<p>SINGLE-SELECT s13_q19</p> <p>01 <input type="radio"/> Same amount of remittances</p> <p>02 <input type="radio"/> More remittances</p> <p>03 <input type="radio"/> Less remittances</p>

SECTION 14: HOUSEHOLD REFERENCED FOOD INSECURITY EXPERIENCE SCALE

E Holding_TYPE==1 && ELIGIBLE==1

<p>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?</p>	<p>SINGLE-SELECT S14_Q01</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't Know</p> <p>-96 <input type="radio"/> Refused</p>
<p>S14_Q01a. Was it during the last 30 days?</p> <p>E S14_Q01==1</p>	<p>SINGLE-SELECT S14_Q01a</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't Know</p> <p>-96 <input type="radio"/> Refused</p>
<p>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?</p>	<p>SINGLE-SELECT S14_Q02</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't Know</p> <p>-96 <input type="radio"/> Refused</p>
<p>S14_Q02a. Was it during the last 30 days?</p> <p>E S14_Q02==1</p>	<p>SINGLE-SELECT S14_Q02a</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't Know</p> <p>-96 <input type="radio"/> Refused</p>
<p>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?</p>	<p>SINGLE-SELECT S14_Q03</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't Know</p> <p>-96 <input type="radio"/> Refused</p>
<p>S14_Q03a. Was it during the last 30 days?</p> <p>E S14_Q03==1</p>	<p>SINGLE-SELECT S14_Q03a</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't Know</p> <p>-96 <input type="radio"/> Refused</p>

<p>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?</p>	<p>SINGLE-SELECT S14_Q04</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't Know</p> <p>-96 <input type="radio"/> Refused</p>
<p>S14_Q04a. Was it during the last 30 days?</p> <p>E S14_Q04==1</p>	<p>SINGLE-SELECT S14_Q04a</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't Know</p> <p>-96 <input type="radio"/> Refused</p>
<p>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?</p>	<p>SINGLE-SELECT S14_Q05</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't Know</p> <p>-96 <input type="radio"/> Refused</p>
<p>S14_Q05a. Was it during the last 30 days?</p> <p>E S14_Q05==1</p>	<p>SINGLE-SELECT S14_Q05a</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't Know</p> <p>-96 <input type="radio"/> Refused</p>
<p>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?</p>	<p>SINGLE-SELECT S14_Q06</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't Know</p> <p>-96 <input type="radio"/> Refused</p>
<p>S14_Q06a. Was it during the last 30 days?</p> <p>E S14_Q06==1</p>	<p>SINGLE-SELECT S14_Q06a</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't Know</p> <p>-96 <input type="radio"/> Refused</p>
<p>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?</p>	<p>SINGLE-SELECT S14_Q07</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't Know</p> <p>-96 <input type="radio"/> Refused</p>

<p>S14_Q07a. Was it during the last 30 days?</p> <p>E S14_q07==1</p>	<p>SINGLE-SELECT S14_Q07a</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't Know</p> <p>-96 <input type="radio"/> Refused</p>
<p>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?</p>	<p>SINGLE-SELECT S14_Q08</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't Know</p> <p>-96 <input type="radio"/> Refused</p>
<p>S14_Q08a. Was it during the last 30 days?</p> <p>E S14_q08==1</p>	<p>SINGLE-SELECT S14_Q08a</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p> <p>-99 <input type="radio"/> Don't Know</p> <p>-96 <input type="radio"/> Refused</p>

SECTION 15: END OF THE SURVEY

<p>S15_Q01. Did you understand all the questions that were asked in the survey?</p>	<p>SINGLE-SELECT S15_Q01</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>E ELIGIBLE==1</p>	
<p>STATIC TEXT</p>	
<p><i>End of survey, thank you.</i></p>	
<p>INTVW_END. DO NOT READ OUT LOUD: D: Record the time the interview ended.</p>	<p>DATE: CURRENT TIME INTVW_END</p> <p>MM/DD/YYYY</p> <p>.....</p>
<p>GPS_NEW. DO NOT READ OUT LOUD: Capture the GPS coordinates at this point of the interview.</p>	<p>GPS GPS_NEW</p> <p>N -----</p> <p>W -----</p> <p>A -----</p>
<p>I * Make sure you are outside, with a clear view of the sky. E ELIGIBLE==1</p>	
<p>RESULT. DO NOT READ OUT LOUD: Please select the interview result.</p>	<p>SINGLE-SELECT RESULT</p> <p>01 <input type="radio"/> Complete</p> <p>02 <input type="radio"/> Complete - No Agricultural Activity</p> <p>03 <input type="radio"/> Incomplete - respondent termination</p> <p>04 <input type="radio"/> Incomplete - 3rd party termination</p> <p>05 <input type="radio"/> Refusal from respondent</p> <p>06 <input type="radio"/> Parent / administrator / spouse refusal</p> <p>07 <input type="radio"/> Absent at 2nd appointment</p> <p>08 <input type="radio"/> Cannot interview (respondent sick, cannot speak, etc.)</p> <p>09 <input type="radio"/> Ineligible</p> <p>10 <input type="radio"/> Cannot locate the HH holding respondent</p>
<p>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]</p>	
<p>COMMENT. DO NOT READ OUT LOUD: Are there any general comments on this survey?</p>	<p>TEXT COMMENT</p> <p>.....</p>

APPENDIX A — ENABLING CONDITIONS

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

Enablement Condition:

```
// If any temporary crops grown and inputs used
(S4_PARCELHOMELOT.Any(x=>x.S4_CROP.Any(y=>(y.CROPCODE.InRange(100,701) ||
y.CROPCODE.InList(830,863,945,997)) && IsAnswered(y.S4_Q05) && y.S4_Q05.Contains(@rowcode)))) ||
(S4_PARCELHOMELOT.Any(x=>x.S4_CROP.Any(y=>(y.CROPCODE.InRange(100,701) ||
y.CROPCODE.InList(830,863,945,997)) && IsAnswered(y.S4_Q06) && y.S4_Q06.Contains(@rowcode))))
||
(S4_PARCELHOMELOT.Any(x=>x.S4_CROP.Any(y=>(y.CROPCODE.InRange(100,701) ||
y.CROPCODE.InList(830,863,945,997)) && IsAnswered(y.S4_Q08) && y.S4_Q08.Contains(@rowcode))))
```

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

Enablement Condition:

```
// If any permanent crops grown and inputs used
(S4_PARCELHOMELOT.Any(x=>x.S4_CROP.Any(y=>(y.CROPCODE.InRange(801,829) || y.CROPCODE.InRange(831,862)
|| y.CROPCODE.InRange(864,943) || y.CROPCODE.InRange(946,975)) && IsAnswered(y.S4_Q05) &&
y.S4_Q05.Contains(@rowcode))))
||
(S4_PARCELHOMELOT.Any(x=>x.S4_CROP.Any(y=>(y.CROPCODE.InRange(801,829) || y.CROPCODE.InRange(831,862)
|| y.CROPCODE.InRange(864,943) || y.CROPCODE.InRange(946,975)) && IsAnswered(y.S4_Q06) &&
y.S4_Q06.Contains(@rowcode))))
||
(S4_PARCELHOMELOT.Any(x=>x.S4_CROP.Any(y=>(y.CROPCODE.InRange(801,829) || y.CROPCODE.InRange(831,862)
|| y.CROPCODE.InRange(864,943) || y.CROPCODE.InRange(946,975)) && IsAnswered(y.S4_Q08) &&
y.S4_Q08.Contains(@rowcode))))
```

- [3] **: INPUTS USE AND ACQUISITION - %rosteritle%**

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 - %rosteritle%**

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 %rostartitle%'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 %rosteritle% 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 %rosteritle% 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 %rosteritle% 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 && ((TEMPROP==1 && S3_PARCEL.Count(x=>x.S3_Q05.Contains(1))>0) || (TEMPROP==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 fertilizers on this %rosteritle% 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.
- [3] [S12_Q13: S12_Q13. How many %rosteritle% were RENTED by the holding during 1 July 2023 through 30 June 2024?](#)
 * Please report the number %rosteritle% RENTED. Please record 0 if none. * Please report the number %rosteritle% RENTED for own operation - this does NOT include renting as a service or small contract. * Count the number of different machines rented, not the number of times rented.
- [4] [S12_Q19: S12_Q19. How many %rosteritle% were RENTED by the holding during 1 July 2023 through 30 June 2024?](#)
 * Please report the number of %rosteritle% RENTED. Please record 0 if none. * Please report the number %rosteritle% RENTED for own operation - this does NOT include renting as a service or small contract. * Count the number of different machines rented, not the number of times rented.
- [5] [S12_Q25: S12_Q25. How many %rosteritle% were RENTED by the holding during 1 July 2023 through 30 June 2024?](#)
 * Please report the number %rosteritle% RENTED. Please record 0 if none. * Please report the number %rosteritle% RENTED for own operation - this does NOT include renting as a service or small contract. * Count the number of different machines rented, not the number of times rented.
- [6] [S12_Q31: S12_Q31. How many %rosteritle% were RENTED by the holding during 1 July 2023 through 30 June 2024?](#)
 * Please report the number%rosteritle% RENTED. Please record 0 if none. * Please report the number %rosteritle% RENTED for own operation - this does NOT include renting as a service or small contract. * Count the number of different machines rented, not the number of times rented.
- [7] [S12_Q37: S12_Q37. How many %rosteritle% were RENTED by the holding during 1 July 2023 through 30 June 2024?](#)
 * Please report the number %rosteritle% RENTED. Please record 0 if none. * Please report the number %rosteritle% RENTED for own operation - this does NOT include renting as a service or small contract. * Count the number of different machines rented, not the number of times rented.
- [8] [S12_Q43: S12_Q43. How many %rosteritle% were RENTED by the holding during 1 July 2023 through 30 June 2024?](#)
 * Please report the number %rosteritle% RENTED. Please record 0 if none. * Please report the number RENTED for own operation - this does NOT include renting as a service or small contract. * Count the number of different machines rented, not the number of times rented.
- [9] [S12_Q49: S12_Q49. How many %rosteritle% were RENTED by the holding during 1 July 2023 through 30 June 2024?](#)
 * Please report the number %rosteritle% RENTED, Please record 0 if none. * Please report the number %rosteritle% RENTED for own operation - this does NOT include renting as a service or small contract. * Count the number of different machines rented, not the number of times rented.

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:Billimbi 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 Gourami, 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/Treep(er)ha[@rowcode].treep(er)ha))

[7] **LENGTH_S10_Q27:**

IsAnswered(S10_Q27a) ? ((S10_Q27a.Contains(1) ? 1 : 0) + (S10_Q27a.Contains(2) ? 1 : 0) + ((S10_Q27a.ContainsAny(3,4,5,6,7,8) && Holding_TYPE==1) ? 2 : 0) + ((S10_Q27a.ContainsAny(3,4,5,6,7,8) && Holding_TYPE==2) ? 1 : 0) + (S10_Q27a.Contains(88) ? 1 : 0)) : (IsAnswered(S10_Q27b) ? ((S10_Q27b.Contains(1) ? 1 : 0) + (S10_Q27b.Contains(2) ? 1 : 0) + ((S10_Q27b.ContainsAny(3,4,5,6,7,8) && Holding_TYPE==1) ? 2 : 0) + ((S10_Q27b.ContainsAny(3,4,5,6,7,8) && Holding_TYPE==2) ? 1 : 0) + (S10_Q27b.Contains(88) ? 1 : 0)) : 0

[8] **mostsevere:**

S13_Q02[0]==1 ? "ព្យុះសង្ឃារ" : (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

Legend and structure of information in this file

Name of section	Enabling condition for this section	Type of question, scope	Variable name
SECTION 5: OTHER INCOME SOURCES	Question title E s4_other_sources_which.Contains(98)	Answer options	
	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_re1_leaders_which.Contains(98) M1 Can not be itself V2 (s3_time_other_breeding_advice <= (50 - s3_time_art_insem_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 01 <input type="checkbox"/> Community animal health workers 02 <input type="checkbox"/> Private 03 <input type="checkbox"/> Government 04 <input type="checkbox"/> Livestock keepers association 05 <input type="checkbox"/> NGO And 5 other [13]	s4_re1_leaders_other
Additional information: "I" – Question instruction "E" – Enabling condition "V1" – Validation condition N°1 "M1" – Message for validation N°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