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AASS2024_ver8

SURVEY IDENTIFICATION INFORMATION QUESTIONNAIRE DESCRIPTION

INTERVIEW COVER

No sub-sections, No rosters, Questions: 11, Static texts: 3, Variables: 2.

SECTION 0: SCREENING

Sub-sections: 1, No rosters, Questions: 30, Static texts: 4, Variables: 9.

SECTION 1: START INTERVIEW

No sub-sections, No rosters, Questions: 27, Static texts: 8, Variables: 8.

SECTION 2: HOUSEHOLD MEMBERS AND HOLDER IDENTIFICATION

No sub-sections, Rosters: 1, Questions: 15, Static texts: 7, Variables: 24.

SECTION 3: FIELD ROSTER

No sub-sections, Rosters: 1, Questions: 17, Static texts: 5, Variables: 34.

SECTION 4. VULI PLOT ROSTER

No sub-sections, Rosters: 2, Questions: 21, Static texts: 3, Variables: 10.

SECTION 5: VULI CROP ROSTER

No sub-sections, Rosters: 3, Questions: 31, Static texts: 13, Variables: 36.

SECTION 6. MASIKA AND DRY SEASON PLOT ROSTER

No sub-sections, Rosters: 2, Questions: 21, Static texts: 3, Variables: 10.

SECTION 7: MASIKA AND DRY SEASON CROP ROSTER

No sub-sections, Rosters: 3, Questions: 32, Static texts: 13, Variables: 37.

SECTION 8: PERMANENT CROP PRODUCTION

No sub-sections, Rosters: 2, Questions: 13, Static texts: 6, Variables: 17.

SECTION 9: CROP HARVEST USE

No sub-sections, Rosters: 1, Questions: 15, Static texts: 2, Variables: 4.

SECTION 11: INPUT USE AND ACQUISITION (FERTILIZERS AND PESTICIDES)

No sub-sections, Rosters: 2, Questions: 8, Variables: 1.

SECTION 12. LIVESTOCK IN STOCK AND CHANGE IN STOCK

Sub-sections: 2, Rosters: 1, Questions: 21, Static texts: 8, Variables: 10.

SECTION 14: MILK PRODUCTION

No sub-sections, Rosters: 1, Questions: 16, Static texts: 3, Variables: 6.

SECTION 15: EGG PRODUCTION

No sub-sections, Rosters: 1, Questions: 18, Static texts: 7, Variables: 16.

SECTION 16: OTHER LIVERSTOCK PRODUCTS

No sub-sections, Rosters: 1, Questions: 11, Variables: 5.

SECTION 17: AQUACULTURE PRODUCTION

No sub-sections, Rosters: 2, Questions: 13, Static texts: 1, Variables: 2.

SECTION 20: BUILDINGS OR STRUCTURES FOR AGRICULTURE

No sub-sections, Rosters: 1, Questions: 15, Variables: 1.

SECTION 21: MACHINERY AND EQUIPMENT USED FOR AGRICULTURE

No sub-sections, Rosters: 1, Questions: 22, Variables: 3.

END AGRICULTURAL INTERVIEW

No sub-sections, No rosters, Questions: 6.

SECTION 22: WOMEN EMPOWERMENT AND NUTRITION (WEN)

Sub-sections: 11, Rosters: 1, Questions: 139, Static texts: 23, Variables: 12.

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 AASS2024_ver8

Version identifier 16

Survey data information

Study type Household Survey

Kind of data Sample survey data [ssd]

Mode of Data Collection CAPI

Survey information

Country Tanzania

Year 2023

Languages English and Swahili

Unit of analysis Agricultural holding

Coverage National

Primary Investigator NBS/OCGS

Funding 50x2030

INTERVIEW COVER

cover_page

TANZANIA MAINLAND OR ZANZIBAR	SINGLE-SELECT TZ_ZAN 01 <input type="radio"/> Tanzania Mainland 02 <input type="radio"/> Zanzibar
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STATIC TEXT



STATIC TEXT

United Republic of Tanzania
 ANNUAL AGRICULTURE SAMPLE SURVEY 2023/24
 (This information is collected under the Statistics Act, [Cap 351 R.E 2019])
THIS INFORMATION IS STRICTLY CONFIDENTIAL AND IS TO BE USED FOR STATISTICAL PURPOSES ONLY

STATIC TEXT



VARIABLE ELIGIBLE == 1 ? "NDIYO" : ELIGIBLE == 0 ? "HAPANA" : " " //NDIYO is "YES" and HAPANA is "NO" //SIFA YA KUHOJIWA:	STRING ELIG
VARIABLE SELECT_SURVEY == 0 ? "SELECTED - Agriculture Only": SELE CT_SURVEY == 1 ? "SELECTED - Agricultural + WEN -subsamp le M": SELECT_SURVEY == 2 ? "SELECTED - Agricultural + W EN - subsample w": " "	STRING SCREENING_RESULTS
REGION:	TEXT REGION
DISTRICT:	TEXT DISTRICT

COUNCIL:	TEXT COUNCIL
WARD/SHEHIA:	TEXT WARD
VILLAGE/MTAA:	TEXT VILLAGE
EA:	TEXT EA
EA_ID	TEXT EA_ID
Holding Type	SINGLE-SELECT SCREENING 01 <input type="radio"/> SMALL HOLDERS 02 <input type="radio"/> LARGE HOLDERS
NAME OF HOUSEHOLD HEAD/FARM ADMINISTRATOR: I For Kayas record the three names of the household head V1 (SCREENING==1 && HEADNAME_FARM_ADMIN.Split(' ').Length>2) (SCREENING==2 && HEADNAME_FARM_ADMIN.Split(' ').Length>0) M1 Please enter three names separated by space for kayas	TEXT HEADNAME_FARM_ADMIN
PHONE: I If no phone number, enter 0000000000	TEXT PHONE

SECTION 0: SCREENING

Sec0

E SCREENING==1 && IsSectionAnswered(cover_page)

<p>SELECT_SURVEY - DO NOT READ OUT LOUD: As sign the sub-sample type based on the random number in the Card provided.</p> <p>E IsAnswered(s0q02) && IsAnswered(s0q04) && ELIGIBLE==1 V1 s0q02==1 s0q04==1 M1 Household is not eligible for the survey.</p>	<p>SINGLE-SELECT SELECT_SURVEY</p> <p>00 <input type="radio"/> Agriculture Only 01 <input type="radio"/> Agriculture + WEN - Man 02 <input type="radio"/> Agriculture + WEN - Women</p>
<p>VARIABLE ELIGIBLE == 1 ? "Agricultural HH" : "None-Agricultural HH"</p>	<p>STRING Agric</p>
<p>CONFIRM - DO NOT READ OUT LOUD: Do you confirm that the household you are about to list is located in %REGION% region, %DISTRICT% district, %WARD% ward/shehia, %VILLAGE% village, and in the EA number %EA%?</p> <p>V1 self == 1 M1 Check on the Interviewer application main screen whether you selected the correct assignment for this location. Ask your Field Supervisor if there is any issue with the interview location.</p>	<p>SINGLE-SELECT CONFIRM</p> <p>01 <input type="radio"/> Yes 00 <input type="radio"/> No</p>
<p>ENUM_ID_SCREEN - Enumerator enter his/her code.</p> <p>E CONFIRM==1</p>	<p>SINGLE-SELECT: COMBO BOX ENUM_ID_SCREEN</p> <p>001 <input type="radio"/> Aisha A Masoud... 002 <input type="radio"/> Beatrice Chaula ... 003 <input type="radio"/> Beatrice Mahundu... 004 <input type="radio"/> Edith Mwaipaja... 005 <input type="radio"/> Elizabeth L Milopa... 006 <input type="radio"/> Ester Godfrey ... 007 <input type="radio"/> Getrude Libent... 008 <input type="radio"/> Gift Makunguru... 009 <input type="radio"/> Grace Galuss Ulaya... 010 <input type="radio"/> Happy Magily... 011 <input type="radio"/> Hidaya Haji ... 012 <input type="radio"/> Jackline F Kiwia... 013 <input type="radio"/> Jackline Mwabuka... 014 <input type="radio"/> Joypretty Boniphace... 015 <input type="radio"/> Judith Paul Ngoma... 016 <input type="radio"/> Levina Atanas Mtei... And 182 other symbols [10]</p>

SUP_ID_SCREEN - Enumerator enter his/her team supervisor's code.

E IsAnswered(ENUM_ID_SCREEN)

SINGLE-SELECT: COMBO BOX

SUP_ID_SCREEN

- 01 RSM_Arusha
- 02 RSM_Dar
- 03 RSM_Dodoma
- 04 RSM_Geita
- 05 RSM_Iringa
- 06 RSM_Kagera
- 07 RSM_Katavi
- 08 RSM_Kilimanjaro
- 09 RSM_Lindi
- 10 RSM_Manyara
- 11 RSM_Mara
- 12 RSM_Mbeya
- 13 RSM_Morogoro
- 14 RSM_Mtwara
- 15 RSM_Mwanza
- 16 RSM_Njombe

[And 15 other symbols \[11\]](#)

STATIC TEXT

E CONFIRM == 1

INSTRUCTION: Go to the household now and attempt to start the interview. To start the interview seek out a competent respondent. A competent respondent must be 15 years of age or older and must have knowledge of the household agricultural activities. The respondent is preferably the household head. Should no competent respondent be available at the time of your visit, you can set a maximum of two additional appointments to identify and interview a competent respondent.

INTVW_START - Record the date and time the interview started.

E CONFIRM == 1

DATE: CURRENT TIME

INTVW_START

.....

STATIC TEXT

E IsAnswered(INTVW_START)

INFORMED CONSENT:

Hello, my name is %ENUM_ID_SCREEN%, I am working with the NBS/OCGS. NBS/OCGS are preparing for an agriculture survey and I need to ask you a few questions to assess your agricultural activity. The data will be used to select farms for the survey. This will take only 5 minutes. If you have any questions related to this survey, please contact the statistician General at the National Bureau of Statistics/Chief Government Statistician on + 255 26 2963 822. Do you have any questions for me?

CONSENT - Can I start asking questions now?

E IsAnswered(INTVW_START)

SINGLE-SELECT

CONSENT_SCREEN

- 01 Yes
- 00 No

SECTION 0: SCREENING

HOUSEHOLD AGRICULTURAL ACTIVITY

SubSec1

E CONSENT_SCREEN==1

<p>ADDRESS - Enumerator record any information that could help locate the household: street, house number, identifiable characteristics, etc.</p>	<p>TEXT ADDRESS</p> <p>.....</p>
<p>s0q00 - [INTERVIEWER] Is <u>%HEADNAME_FARM_ADMIN%</u> the respondent?</p>	<p>SINGLE-SELECT s0q00</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>RESPNAME - What is the respondent's name?</p> <p>I Record the three names of the respondent</p> <p>E s0q00 == 0</p> <p>V1 self.Split(' ').Length>2</p> <p>M1 Please enter three names separated by space</p>	<p>TEXT RESPNAME_SCREEN</p> <p>.....</p>
<p>s0q01 - What is <u>%RESPNAME_SCREEN%</u>'s relationship to <u>%HEADNAME_FARM_ADMIN%</u>?</p> <p>E IsAnswered(RESPNAME_SCREEN)</p>	<p>SINGLE-SELECT s0q01</p> <p>01 <input type="radio"/> Wife/husband of the head</p> <p>02 <input type="radio"/> Son/daughter of the head</p> <p>03 <input type="radio"/> Father/mother of the head</p> <p>04 <input type="radio"/> Grandson/granddaughter of the head</p> <p>05 <input type="radio"/> Other relative</p> <p>06 <input type="radio"/> Other</p>
<p>s0q02 - Did any member of <u>%HEADNAME_FARM_ADMIN%</u>'s household engage in own account crop cultivation activity during the 2023/24 agricultural year?</p> <p>I Do not consider crop cultivation activities performed as paid employees or unpaid workers</p> <p>E s0q00==1 IsAnswered(RESPNAME_SCREEN)</p>	<p>SINGLE-SELECT s0q02</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>s0q03 - What was the total area cultivated by <u>%HEADNAME_FARM_ADMIN%</u>'s household during the 2023/24 agricultural year?</p> <p>I Include plots cultivated under temporary or permanent crops</p> <p>E s0q02 == 1</p> <p>V1 self > 0</p> <p>M1 Must be greater than 0</p>	<p>NUMERIC: DECIMAL s0q03</p> <p>.....</p>
<p>s0q03_unit - DO NOT READ OUT LOUD: Unit mentioned by the respondent.</p> <p>E IsAnswered(s0q03)</p> <p>W1 s0q03_Acres <= 100</p> <p>M1 Area cultivated is high, please confirm with respondent</p> <p>V2 s0q03_SqMeters > 0</p> <p>M2 Area cultivated can not be negative</p>	<p>SINGLE-SELECT s0q03_unit</p> <p>01 <input type="radio"/> Hectares</p> <p>02 <input type="radio"/> Acres</p> <p>03 <input type="radio"/> Square Meters</p>
<p>VARIABLE</p> <p>s0q03_unit == 1 ? s0q03 : s0q03_unit == 2 ? s0q03 / 2.4710538147 : s0q03_unit == 3 ? s0q03 / 10000 : 0</p>	<p>DOUBLE s0q03_Hectares</p>
<p>VARIABLE</p> <p>s0q03_unit == 1 ? s0q03 * 2.4710538147 : s0q03_unit == 2 ? s0q03 : s0q03 == 3 ? s0q03 * 0.00024710538147 : 0</p>	<p>DOUBLE s0q03_Acres</p>
<p>VARIABLE</p> <p>s0q03_unit == 1 ? s0q03 * 10000 : s0q03_unit == 2 ? s0q03 * 4046.86 : s0q03_unit == 3 ? s0q03 : 0</p>	<p>DOUBLE s0q03_SqMeters</p>

s0q04 - Did any member of **%HEADNAME_FARM_ADMIN%**'s household engage in own account livestock, rabbit or poultry raising activity during the 2023/24 agricultural year?

SINGLE-SELECT

s0q04

- 01 Yes
- 00 No

I Do not include pets, racing horses, fighting chicken or cattle raised for cattle judging

STATIC TEXT

E s0q04==1

ENUMERATOR READ: Now, I will ask you about the livestock that the household/farm reared between October 2023 and September 2024. Please understand that all the information you provide will be kept confidential and will not be shared with any individual or entity outside the National Bureau of Statistics (NBS). This confidentiality is upheld under the Statistical Act of NBS. Furthermore, please note that these statistics will not be used for taxation purposes. Your honest and accurate responses are crucial for the analysis of agricultural statistics, particularly in livestock reports. Therefore, NBS kindly requests you to provide an accurate count of the cattle, goats, sheep, and other livestock you rear or own.

s0q05 - During the 2023/24 agricultural year, what type of animals were raised by **%HEADNAME_FARM_ADMIN%**'s household?

MULTI-SELECT

s0q05

- 01 Cattle
- 02 Goats
- 03 Sheep
- 04 Pigs
- 05 Poultry (including chicken, ducks, turkeys)
- 06 Rabbits
- 07 Other animals not listed above

I Select all that apply

E s0q04 == 1

STATIC TEXT

E s0q05.ContainsAny(1,2,3,4,5)

INSTRUCTIONS: The following inventory questions only apply to livestock and poultry that are kept on that particular household holding.

s0q05_cattle - How many cattle did **%HEADNAME_FARM_ADMIN%**'s household rear during 2023/24 agricultural year?

NUMERIC: INTEGER

s0q05_cattle

I IF THE NUMBER OF ANIMALS REARED CHANGED DURING THE YEAR, GIVE US THE HIGHEST NUMBER

E s0q05.Contains(1)

V1 self >= 0

M1 Please enter 0 or a positive number

W2 self <= 100

M2 Number of cattle is high, please confirm

s0q05_goats - How many goats did **%HEADNAME_FARM_ADMIN%**'s household rear during 2023/24 agricultural year?

NUMERIC: INTEGER

s0q05_goats

I IF THE NUMBER OF ANIMALS REARED CHANGED DURING THE YEAR, GIVE US THE HIGHEST NUMBER

E s0q05.Contains(2)

V1 self >= 0

M1 Please enter 0 or a positive number

W2 self <= 1000

M2 Number of goats is high, please confirm

<p>s0q05_sheep - How many sheep did <u>%HEADNAME_FARM_ADMIN%</u>'s household reared during 2023/24 agricultural year?</p> <p>I IF THE NUMBER OF ANIMALS REARED CHANGED DURING THE YEAR, GIVE US THE HIGHEST NUMBER</p> <p>E s0q05.Contains(3)</p> <p>V1 self >= 0</p> <p>M1 Please enter 0 or a positive number</p> <p>W2 self <= 1000</p> <p>M2 Number of sheep is high, please confirm</p>	<p>NUMERIC: INTEGER</p> <p>s0q05_sheep</p> <p>-----</p>
<p>s0q05_pig - How many pigs did <u>%HEADNAME_FARM_ADMIN%</u>'s household reared during 2023/24 agricultural year?</p> <p>I IF THE NUMBER OF ANIMALS REARED CHANGED DURING THE YEAR, GIVE US THE HIGHEST NUMBER</p> <p>E s0q05.Contains(4)</p> <p>V1 self >= 0</p> <p>M1 Please enter 0 or a positive number</p> <p>W2 self <= 1000</p> <p>M2 Number of pigs is high, please confirm.</p>	<p>NUMERIC: INTEGER</p> <p>s0q05_pig</p> <p>-----</p>
<p>s0q05_poultry - How many poultry did <u>%HEADNAME_FARM_ADMIN%</u>'s household reared during 2023/24 agricultural year?</p> <p>I * Poultry includes chicken, ducks and turkeys IF THE NUMBER OF ANIMALS REARED CHANGED DURING THE YEAR, GIVE US THE HIGHEST NUMBER</p> <p>E s0q05.Contains(5)</p> <p>V1 self >= 0</p> <p>M1 Please enter 0 or a positive number</p> <p>W2 self <= 10000</p> <p>M2 Number of poultry is high, please confirm</p>	<p>NUMERIC: INTEGER</p> <p>s0q05_poultry</p> <p>-----</p>
<p>s0q05_rabbit - How many rabbits does <u>%HEADNAME_FARM_ADMIN%</u>'s household reared during 2023/24 agricultural year?</p> <p>I IF THE NUMBER OF ANIMALS REARED CHANGED DURING THE YEAR, GIVE US THE HIGHEST NUMBER</p> <p>E s0q05.Contains(6)</p> <p>V1 self >= 0</p> <p>M1 Please enter 0 or a positive number</p> <p>W2 self <= 10000</p> <p>M2 Number of rabbits is high, please confirm</p>	<p>NUMERIC: INTEGER</p> <p>s0q05_rabbit</p> <p>-----</p>
<p>VARIABLE (s0q05_goats???) + (s0q05_sheep???) + (s0q05_pig???)</p>	<p>LONG</p> <p>goatpigsheep_total</p>
<p>VARIABLE (s0q05_poultry???) + (s0q05_rabbit???)</p>	<p>LONG</p> <p>poultryrabbit_total</p>
<p>s0q06 - Did any member of <u>%HEADNAME_FARM_ADMIN%</u>'s household engage in own account bee-keeping activity during the 2023/24 agricultural year?</p> <p>I Do not consider bee-keeping activity performed as paid employees or unpaid workers</p>	<p>SINGLE-SELECT</p> <p>s0q06</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>s0q07 - Did any member of <u>%HEADNAME_FARM_ADMIN%</u>'s household engage in own account aquaculture activity during the 2023/24 agricultural year?</p> <p>I Do not consider aquaculture activities performed as paid employees or unpaid workers</p>	<p>SINGLE-SELECT</p> <p>s0q07</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

<p>VARIABLE (s0q02 == 1 s0q04 == 1) ? 1 : (s0q02==0 && s0q04 == 0) ? 0 : 99</p>	<p>LONG AGRI</p>
<p>VARIABLE //Checks if qualifies as small-scale holdings (s0q03_sqmeters>=25 s0q05_cattle>0 goatpigsheep_total>=5 poultryrabbit_total>=50) ? 1 : 99</p>	<p>LONG Holding_TYPE</p>
<p>VARIABLE (AGRI == 1 && Holding_TYPE == 1) ? 1 : 0</p>	<p>LONG ELIGIBLE</p>
<p>CONTACT_SCREEN_1 - What is %HEADNAME FARM ADMIN%'s phone number? I If no phone number, enter 0000000000</p>	<p>TEXT CONTACT_SCREEN_1</p>
<p>CONTACT_SCREEN_2 - What is %HEADNAME FARM ADMIN%'s second phone number? I If no second phone number, enter 0000000000 E //IsAnswered(CONTACT_SCREEN_1) && CONTACT_SCREEN_1 != "0000000000" IsAnswered (CONTACT_SCREEN_1) && CONTACT_SCREEN_1 != "0000000000" V1 self != CONTACT_SCREEN_1 M1 Cannot enter same number as previous</p>	<p>TEXT CONTACT_SCREEN_2</p>
<p>CONTACT_SCREEN_3 - Please give me the phone number of a close relative or neighbour of %HEADNAME FARM ADMIN% whom I can call to get back in touch with you? E CONTACT_SCREEN_1 == "0000000000" W1 self!="0000000000" M1 Warning!, None of the phone number is reported for this %SCREENING%. Please confirm!</p>	<p>TEXT CONTACT_SCREEN_3</p>
<p>INTVW_END - Record the date and time the interview ended.</p>	<p>DATE: CURRENT TIME INTVW_END_SCREEN</p>
<p>GPS - Please record the household GPS coordinates in front of the main dwelling. I Make sure you are outside, with a clear view of the sky. E ELIGIBLE == 1 V1 \$tanzania M1 GPS collected is outside of Tanzania, please check and re-collect</p>	<p>GPS GPS ----- N ----- W ----- A</p>
<p>DO NOT READ OUT LOUD - Please select the screening result. F (CONSENT_SCREEN ==0 && @optioncode.InList(3,5)) (CONSENT_SCREEN ==1 && @optioncode.InList(1,2,3,4,5)) E IsAnswered(s0q02) IsAnswered(s0q04) IsAnswered(s0q07) CONSENT_SCREEN==0 V1 (self == 1 && IsSectionAnswered(SubSec1) && CONSENT_SCREEN == 1) self > 1 M1 Please check for missing answers before marking complete V2 (self.InList(4,5) && CONSENT_SCREEN == 0) self.InList(1,2,3) M2 Do not mark <u>%self%</u> unless CONSENT was 'No' V3 self.InList(2,3) && !IsSectionAnswered(SubSec1) self.InList(1,4,5) CONSENT_SCREEN == 0 M3 Do not mark as <u>%self%</u> if all answers have been completed</p>	<p>SINGLE-SELECT RESULT_SCREEN 01 <input type="radio"/> Complete 02 <input type="radio"/> Incomplete - respondent termination 03 <input type="radio"/> Refusal 04 <input type="radio"/> Absent after three attempts or household dwelling destroyed 05 <input type="radio"/> Cannot interview (respondent sick, in quarantine, cannot speak, etc.)</p>

COMMENT_SCREEN - Insert any general comments on this screening

TEXT

COMMENT_SCREEN

E IsAnswered(s0q02) || IsAnswered(s0q04) || IsAnswered(s0q07)

.....

SECTION 1: START INTERVIEW

Sec1

E IsSectionAnswered(cover_page) && (SELECT_SURVEY.InList(0,1,2) || SCREENING==2)

STATIC TEXT

E SCREENING==1

HEAD OF SELECTED HOUSEHOLD : %HEADNAME_FARM_ADMIN%
 ADDRESS: %ADDRESS%
 FIRST PHONE NUMBER OF THE HEAD: %CONTACT_SCREEN_1%
 SECOND PHONE NUMBER OF THE HEAD: %CONTACT_SCREEN_2%
 PHONE NUMBER OF THE RELATIVE : %CONTACT_SCREEN_3%

Start Time for Section 1	DATE: CURRENT TIME	InterviewStart_Sec1
REGION ID	TEXT SCOPE: HIDDEN	REGION_ID
DISTRICT ID	TEXT SCOPE: HIDDEN	DISTRICT_ID
COUNCIL ID	TEXT SCOPE: HIDDEN	COUNCIL_ID
WARD ID	TEXT SCOPE: HIDDEN	WARD_ID
WARD TYPE:	SINGLE-SELECT SCOPE: HIDDEN 00 <input type="radio"/> URBAN 01 <input type="radio"/> RURAL 09 <input type="radio"/> NOT APPLICABLE	WARD_TYPE
VILLAGE ID	TEXT SCOPE: HIDDEN	VILLAGE_ID
VARIABLE SCREENING==1 ? "kaya" : "shamba" //kaya in english means Household, shamba means Farm	STRING	household_farm
VARIABLE TZ_ZAN == 1 ? "ofisi ya Taifa ya Takwimu (NBS) " : "ofisi ya Mtakwimu Mkuu wa Serikali Zanzibar (OCGS) "	STRING	TZ_ZAN_text

ENUM_ID - Enumerator enter his/her code.

F (TZ_ZAN ==1 && SELECT_SURVEY==1 && @optioncode.InRange(80,204)) || (TZ_ZAN ==1 && SELECT_SURVEY==2 && @optioncode.InRange(1,79)) || (TZ_ZAN ==1 && SELECT_SURVEY==0 && @optioncode.InRange(1,204)) || [And 124 other symbols \[1\]](#)

SINGLE-SELECT: COMBO BOX

ENUM_ID

- 001 Aisha A Masoud...
- 002 Beatrice Chaula ...
- 003 Beatrice Mahundu...
- 004 Edith Mwaipaja...
- 005 Elizabeth L Milopa...
- 006 Ester Godfrey ...
- 007 Getrude Libent...
- 008 Gift Makunguru...
- 009 Grace Galuss Ulaya...
- 010 Happy Magily...
- 011 Hidaya Haji ...
- 012 Jackline F Kiwia...
- 013 Jackline Mwabuka...
- 014 Joypretty Boniphace...
- 015 Judith Paul Ngoma...
- 016 Levina Atanas Mtei...

[And 182 other symbols \[12\]](#)

SUP_ID - Enumerator enter his/her team supervisor's code.

E IsAnswered(ENUM_ID)

SINGLE-SELECT: COMBO BOX

SUP_ID

- 01 RSM_Arusha
- 02 RSM_Dar
- 03 RSM_Dodoma
- 04 RSM_Geita
- 05 RSM_Iringa
- 06 RSM_Kagera
- 07 RSM_Katavi
- 08 RSM_Kilimanjaro
- 09 RSM_Lindi
- 10 RSM_Manyara
- 11 RSM_Mara
- 12 RSM_Mbeya
- 13 RSM_Morogoro
- 14 RSM_Mtwara
- 15 RSM_Mwanza
- 16 RSM_Njombe

[And 15 other symbols \[13\]](#)

STATIC TEXT

E SCREENING==1

INSTRUCTION: GO TO THE HOUSEHOLD/FARM AND ATTEMPT TO START THE INTERVIEW. TO START THE INTERVIEW, SEEK OUT A COMPETENT RESPONDENT - I.E., AN INDIVIDUAL OF 15 YEARS OR ABOVE WHO KNOWS THE HOUSEHOLD AGRICULTURAL ACTIVITIES. THE RESPONDENT FOR THIS HOUSEHOLD/FARM WILL PREFERABLY BE %HEADNAME FARM ADMIN%.

Should no competent respondent be available at the time of your visit, you can set a maximum of two appointments to identify and interview a competent respondent.

INTVW_STARTa - INTERVIEW START DATE AND TIME (1st attempt).	DATE: CURRENT TIME INTVW_STARTa
.....	
s1q02a. Is <u>%HEADNAME FARM ADMIN%</u> available for the interview?	SINGLE-SELECT s1q02a 01 <input type="radio"/> Yes 00 <input type="radio"/> No
s1q03a - Is there any other competent respondent to answer questions on the agricultural activities of the household/farm? (eg., area planted, production, input use, etc.)	SINGLE-SELECT s1q03a 01 <input type="radio"/> Yes 00 <input type="radio"/> No
E s1q02a == 0	
STATIC TEXT	
E s1q03a==0	
<i>INSTRUCTION: SET UP AN APPOINTMENT AND COME BACK LATER TO INTERVIEW A COMPETENT RESPONDENT. YOU MAY CONTACT <u>%HEADNAME FARM ADMIN%</u> AT <u>%PHONE%</u> TO SET AN APPOINTMENT</i>	
INTVW_STARTb. INTERVIEW START DATE AND TIME (2nd attempt).	DATE: CURRENT TIME INTVW_STARTb
.....	
E s1q03a == 0 && RESULT_AGRIC==3	
s1q02b. Is <u>%HEADNAME FARM ADMIN%</u> available for the interview?	SINGLE-SELECT s1q02b 01 <input type="radio"/> Yes 00 <input type="radio"/> No
E s1q03a == 0 && RESULT_AGRIC==3	
s1q03b - Is there any other competent respondent to answer questions on the agricultural activities of the household/farm? (eg., area planted, production, input use, etc.)	SINGLE-SELECT s1q03b 01 <input type="radio"/> Yes 00 <input type="radio"/> No
E s1q02b == 0	
STATIC TEXT	
E s1q03b==0	
<i>INSTRUCTION: SET UP AN APPOINTMENT AND COME BACK LATER TO INTERVIEW A COMPETENT RESPONDENT. YOU MAY CONTACT <u>%HEADNAME FARM ADMIN%</u> AT <u>%PHONE%</u> TO SET A 2ND APPOINTMENT.</i>	
INTVW_STARTc. INTERVIEW START DATE AND TIME (2nd attempt).	DATE: CURRENT TIME INTVW_STARTc
.....	
E s1q03b == 0 && RESULT_AGRIC==3	
s1q02c. Is <u>%HEADNAME FARM ADMIN%</u> available for the interview?	SINGLE-SELECT s1q02c 01 <input type="radio"/> Yes 00 <input type="radio"/> No
E s1q03b == 0 && RESULT_AGRIC==3	
s1q03c - Is there any other competent respondent to answer questions on the agricultural activities of the household/farm? (eg., area planted, production, input use, etc.)	SINGLE-SELECT s1q03c 01 <input type="radio"/> Yes 00 <input type="radio"/> No
E s1q02c == 0	

<p>s1q05 - What is the name of the respondent?</p> <p>I * Record the three names of the respondent E s1q03a==1 s1q03b==1 s1q03c==1 V1 self.Split(' ').Length>2 M1 Please enter three names separated by spaces</p>	<p>TEXT</p> <p style="text-align: right;">s1q05</p> <p>.....</p>
<p>VARIABLE</p> <p>s1q02a==1 s1q02b==1 s1q02c==1 ? HEADNAME_FARM_ADMIN : s1q05</p>	<p>STRING</p> <p style="text-align: right;">RESPNAME</p>

STATIC TEXT

E //s1q02a==1 || s1q03a==1 || s1q02b==1 || s1q03b==1 || s1q02c==1 || s1q03c==1 (s1q02a==1 || s1q03a==1 || s1q02b==1 || s1q03b==1 || s1q02c==1 || s1q03c==1) && SELECT_SURVEY==0

Hello, I am (name) from the National Bureau of Statistics (NBS)/Office of Chief Government Statistician (OCGS). We are conducting an agricultural survey in Tanzania and your household/farm has been randomly chosen to participate in this survey. I would greatly appreciate if you could participate answering questions on the agricultural activities. The information you provide will assist the government and other organisations to better understand the agricultural sector of the country. Please be aware that all information collected will be kept strictly confidential. If you are not comfortable to respond to specific questions please inform me. Please let me know if I can go ahead with the interview.

STATIC TEXT

E //(s1q02a==1 || s1q02b==1 || s1q02c==1) && SELECT_SURVEY==1 (s1q02a==1 || s1q03a==1 || s1q02b==1 || s1q03b==1 || s1q02c==1 || s1q03c==1) && SELECT_SURVEY==1

Hello, I am (name) from the National Bureau of Statistics (NBS)/Office of Chief Government Statistician (OCGS). We are conducting an agricultural survey in Tanzania and your household/farm has been randomly chosen to participate in this survey. I would greatly appreciate if you could participate answering questions on the agricultural activities. The information you provide will assist the government and other organisations to better understand the agricultural sector of the country. In addition, one adult man of this household will be randomly sampled to respond questions about his capacity to influence decisions in the household and in the broader community, the use of technology, property rights, etc. Please be aware that all information collected will be kept strictly confidential. If you are not comfortable to respond to specific questions please inform me. Please let me know if I can go ahead with the interview.

STATIC TEXT

E //(s1q02a==1 || s1q02b==1 || s1q02c==1) && SELECT_SURVEY==2 (s1q02a==1 || s1q03a==1 || s1q02b==1 || s1q03b==1 || s1q02c==1 || s1q03c==1) && SELECT_SURVEY==2

Hello, I am (name) from the National Bureau of Statistics (NBS)/Office of Chief Government Statistician (OCGS). We are conducting an agricultural survey in Tanzania and your household/farm has been randomly chosen to participate in this survey. I would greatly appreciate if you could participate answering questions on the agricultural activities. The information you provide will assist the government and other organisations to better understand the agricultural sector of the country. In addition, two adult women of this household will be randomly sampled to respond questions about their capacity to influence decisions in the household and in the broader community, the use of technology, property rights, etc. Please be aware that all information collected will be kept strictly confidential. If you are not comfortable to respond to specific questions please inform me. Please let me know if I can go ahead with the interview.

<p>CONSENT. Can I start asking questions now?</p> <p>E s1q02a==1 s1q03a==1 s1q02b==1 s1q03b==1 s1q02c==1 s1q03c==1</p>	<p>SINGLE-SELECT</p> <p style="text-align: right;">CONSENT_START</p> <p>01 <input type="radio"/> Yes 00 <input type="radio"/> No</p>
<p>CONTACT_1 - What is %RESPNAME%'s phone number?</p> <p>I If no phone number, enter 0000000000 E CONSENT_START==1 && SCREENING==2</p>	<p>TEXT</p> <p style="text-align: right;">CONTACT_1</p> <p>.....</p>
<p>CONTACT_2 - What is %RESPNAME%'s second phone number?</p> <p>I If no second phone number, enter 0000000000 E IsAnswered (CONTACT_1) && CONTACT_1 != "0000000000" V1 self != CONTACT_1 M1 Cannot enter same number as previous</p>	<p>TEXT</p> <p style="text-align: right;">CONTACT_2</p> <p>.....</p>

STATIC TEXT

E CONSENT_START==1

ENUMERATOR: I am going to ask you questions about the past short-rains season, also known as VULI SEASON and the

ongoing long-rains season, also called MASIKA. When asking about the MASIKA season, we will also include the dry season. The past VULI SEASON started in October 2023 and ended in February 2024, while the MASIKA and DRY SEASON started in March 2024 and ended in September 2024.

<p>VARIABLE SCREENING==1 ? "kuna mwanakaya/mtu yeyote katika kaya ya ko alijishughulisha" : "shamba lako lilijishughulisha"</p>	<p>STRING holdings_cat1</p>
<p>s1q06 - Did your household/farm engage in own-account crop cultivation during the Vuli or Masika or dry seasons in the past 2023/2024 agricultural year?</p> <p>I Do not consider crop cultivation activities performed as paid employees or unpaid workers E CONSENT_START==1</p>	<p>SINGLE-SELECT s1q06</p> <p>01 <input type="radio"/> Yes 00 <input type="radio"/> No</p>
<p>s1q07 - Did your household/farm engage in own-account livestock or poultry rearing from October 2023 to September 2024?</p> <p>I Do not include pets, racing horses, fighting chicken or cattle raised for cattle judging E CONSENT_START==1 V1 (SCREENING==1 && (s1q06 == 1 s1q07 == 1)) SCREENING==2 M1 Error! the household reported being an agricultural household during listing, therefore must engage in either crop cultivation s1q06 or livestock or poultry rearing s1q07 or both. Please, Correct</p>	<p>SINGLE-SELECT s1q07</p> <p>01 <input type="radio"/> Yes 00 <input type="radio"/> No</p>
<p>s1q08 - Did your household/farm engage in own-account bee-keeping from October 2023 to September 2024?</p> <p>E CONSENT_START==1</p>	<p>SINGLE-SELECT s1q08</p> <p>01 <input type="radio"/> Yes 00 <input type="radio"/> No</p>
<p>s1q09 - Did your household/farm engage in own-account aquaculture activity from October 2023 to September 2024?</p> <p>I Do not consider aquaculture activities performed as paid employees or unpaid workers E CONSENT_START==1</p>	<p>SINGLE-SELECT s1q09</p> <p>01 <input type="radio"/> Yes 00 <input type="radio"/> No</p>
<p>VARIABLE //Eligible holdings are small-scale with crop or livestock activities, or large-scale with crop, livestock or aquaculture activity s1q06 == 1 s1q07 == 1 (s1q09 == 1 && SCREENING == 2)</p>	<p>BOOLEAN VAR0</p>
<p>VARIABLE ELIGIBLE==1 ? VAR0==true : false</p>	<p>BOOLEAN list_main</p>
<p>VARIABLE Quest.IRnd()</p>	<p>DOUBLE RANDOM</p>
<p>End Time for Section 1</p> <p>E IsAnswered(InterviewStart_Sec1) V1 self > InterviewStart_Sec1 M1 Error. The end time must always be ahead of start time. Correct</p>	<p>DATE: CURRENT TIME InterviewEnd_Sec1</p> <p>.....</p>
<p>VARIABLE (float)InterviewEnd_Sec1.Value.Subtract(InterviewStart_Sec1.Value).TotalMinutes</p>	<p>DOUBLE duration_section1</p>

SECTION 2: HOUSEHOLD MEMBERS AND HOLDER IDENTIFICATION

sec2

E //VAR0==true && Holding_TYPE==1 (VAR0==true && SCREENING==1)

Start Time for Section 2	DATE: CURRENT TIME	InterviewStart_Sec2
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STATIC TEXT

*First, give me the names of all the members of your immediate family who normally live and eat their meals together here.
WRITE DOWN NAMES, SEX, AND RELATIONSHIP TO HH HEAD. LIST THE HOUSEHOLD HEAD FIRST.
Then, give me the names of any other persons related to you or other household members who normally live and eat their meals together here.
Then, give me the names of other persons who are not present now but normally live and eat their meals here. For example, household members studying elsewhere or travelling.
Finally, give me the names of any other persons not related to you or other household members, but who normally live and eat their meals together here, such as servants, lodgers, or other who are not relatives.
DO NOT LIST SERVANTS WHO HAVE A HOUSEHOLD ELSEWHERE, AND GUESTS WHO ARE VISITING TEMPORARILY AND HAVE A HOUSEHOLD ELSEWHERE.*

STATIC TEXT

E s0q00 ==1

ENUMERATOR: IN THE LIST MAKE SURE THE HEAD IS :%HEADNAME FARM ADMIN%

STATIC TEXT

E s0q00 ==0

ENUMERATOR: IN THE LIST MAKE SURE THE HEAD IS: %HEADNAME FARM ADMIN% AND DONT MISS OUT %RESPNAME SCREEN% WHO WAS THE RESPONDENTS DURING LISTING

s2q01 - MAKE A COMPLETE LIST OF ALL INDIVIDUALS WHO NORMALLY LIVED AND ATE THEIR MEALS TOGETHER IN THIS HOUSEHOLD IN THE PAST 6 MONTHS, STARTING WITH THE HEAD OF HOUSEHOLD.

LIST s2q01

.....

V1 self.Select(x=>x.Item2.ToUpper()).Distinct().Count()==self.Count()

M1 Please ensure each name is unique

v2 (self[0].Item2).Split(' ').Length>2

M2 Please enter three names seperated by spaces

VARIABLE
s2q01.Length

LONG HHSIZE

SECTION 2: HOUSEHOLD MEMBERS AND HOLDER IDENTIFICATION

Roster: HOUSEHOLD ROSTER - %ROSTERTITLE%

generated by list question s2q01

HOUSEHOLD

VARIABLE
s2q01[@rowcode-1].Item2

STRING MEMBERNAME

s2q02 - What is the sex of %rostertitle%

SINGLE-SELECT s2q02

01 Male

00 Female

s2q03 - In this household, what is %rosteritle%'s relationship to the head?

SINGLE-SELECT s2q03

- 01 HEAD OF HOUSEHOLD
- 02 SPOUSE
- 03 SON/DAUGHETR
- 04 FATHER/MOTHER
- 05 GRAND SON/DAUGHETR
- 06 OTHER RELATIVE
- 07 OTHER NOT RELATIVE

I READ RESPONSES
V1 (@rowcode == 1 && self == 1) || @rowcode > 1
M1 Head of Household must be entered first in the household roster
V2 HOUSEHOLD.Count(x=>x.s2q03==1) < 2
M2 Cannot have more than one household head
V3 (self == 2 && s2q02 == 1 && HOUSEHOLD[1].s2q02 == 0) || (self == 2 && s2q02 == 0 && HOUSEHOLD[1].s2q02 == 1) || self.InList(1,3,4,5,6,7)
M3 Spouse cannot be same gender as head

s2q04 - How old is %rosteritle%?

NUMERIC: INTEGER s2q04

SPECIAL VALUES
00 Less than one year

W1 self<101
M1 Household member cannot be older than 100 years.
V2 s2q03 == 1 && self > 14 || s2q03.InList(2,3,4,5,5,6,7)
M2 Household head must be 15 years or older
V3 s2q03 == 2 && self > 14 || s2q03.InList(1,3,4,5,6,7)
M3 Spouse must be 15 years or older
V4 // if current person is father/mother of head s2q03==4 & & HOUSEHOLD.Count(x=>x.s2q03==1 && (s2q04-x.s2q04<=10))=0 || // if current person is head s2q03==1 && HOUSEHOLD.Count(x=>x.s2q03==4 && (x.s [And 56 other symbols \[1\]](#))
M4 Age difference between head and his/her parent seems is less than 11 years. Please Check!
V5 // if current person is head child s2q03==3 && (HOUSEHOLD.Count(x=>x.s2q03==1 && (x.s2q04-s2q04<=10))=0) || // if current person is head s2q03==1 && HOUSEHOLD.Count(x=>x.s2q03==3 && (s2q04-x.s2q [And 48 other symbols \[1\]](#))
M5 Age difference between head and his child is less than 11 years. Please check.
V6 // if current person is grandchild s2q03==5 && HOUSEHOLD.Count(x=>x.s2q03==1 && (x.s2q04-s2q04<=20))=0 || // if current person is head s2q03==1 && HOUSEHOLD.Count(x=>x.s2q03==5 && (s2q04-x.s2q04< [And 84 other symbols \[1\]](#))
M6 Age difference between head and his/her grandchild is less than 20 years. Please check.
V7 self>=0
M7 age cannot be negative

s2q06 - Does %rosteritle% take important economic decisions or everyday routine decisions concerning the farm?

SINGLE-SELECT s2q06

- 01 Yes
- 00 No

E s2q04>=15

s2q07 - Has %rosteritle% ever attended school?

SINGLE-SELECT s2q07

- 01 Yes
- 00 No

E s2q06==1

<p>s2q08 - What is <u>%rosteritle%</u>'s highest completed educational level?</p> <p>E s2q07 == 1</p>	<p>SINGLE-SELECT s2q08</p> <p>00 <input type="radio"/> NURSERY/PRESCHOOL</p> <p>01 <input type="radio"/> PRIMARY EDUCATION INCOMPLETE</p> <p>02 <input type="radio"/> PRIMARY EDUCATION COMPLETE</p> <p>03 <input type="radio"/> SECONDARY/ADVANCED EDUCATION INCOMPLETE</p> <p>04 <input type="radio"/> SECONDARY/ADVANCED EDUCATION COMPLETE</p> <p>05 <input type="radio"/> VOCATIONAL TRAINING INCOMPLETE</p> <p>06 <input type="radio"/> VOCATIONAL TRAINING COMPLETE</p> <p>07 <input type="radio"/> DIPLOMA INCOMPLETE</p> <p>08 <input type="radio"/> DIPLOMA COMPLETE</p> <p>09 <input type="radio"/> UNIVERSITY INCOMPLETE</p> <p>10 <input type="radio"/> UNIVERSITY COMPLETE</p> <p>11 <input type="radio"/> OTHER TRAININGS</p>
<p>s2q08_other - Specify</p> <p>E s2q08==11</p>	<p>TEXT s2q08_other</p> <p>.....</p>
<p>s2q09 - Has <u>%rosteritle%</u> ever received any formal or informal training in agriculture?</p> <p>E s2q06==1</p>	<p>SINGLE-SELECT s2q09</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>s2q09a - From which source has <u>%rosteritle%</u> received an agricultural training?</p> <p>E s2q09==1</p>	<p>MULTI-SELECT s2q09a</p> <p>01 <input type="checkbox"/> Government Extension Service</p> <p>02 <input type="checkbox"/> NGO or Non Governmental Extension Services</p> <p>03 <input type="checkbox"/> Academic Institutions</p> <p>04 <input type="checkbox"/> From another farmer</p> <p>05 <input type="checkbox"/> Farmer Group or Association</p> <p>06 <input type="checkbox"/> Farmer Field School</p> <p>07 <input type="checkbox"/> Trader or market stakeholder</p> <p>99 <input type="checkbox"/> Other</p>
<p>s2q11 - Is <u>%rosteritle%</u> present in the enumeration area before the survey team leaves the EA?</p> <p>E (SELECT_SURVEY==1 SELECT_SURVEY==2) && s2q04>=15</p>	<p>SINGLE-SELECT s2q11</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

<p>s2q10 - Did you or any member of your household ever participate in any of the following programs?</p> <p>I * Read answers * Select all that apply V1 !(self.Contains(7) && self.ContainsAny(1,2,3,4,5,6)) M1 Inccorrent combination of selections, recheck!</p>	<p>MULTI-SELECT s2q10</p> <p>01 <input type="checkbox"/> TANZANIA AGRICULTURAL INPUTS SUPPORT PROJECT (TAISP)</p> <p>02 <input type="checkbox"/> AGRICULTURE AND FISHERIES DEVELOPMENT PROGRAM (AFDP)</p> <p>03 <input type="checkbox"/> TANZANIA INITIATIVE FOR PREVENTING AFLATOXIN CONTAMINATION (TANIPAC)</p> <p>04 <input type="checkbox"/> ACARICIDES AND VACCINES SUBSIDIES</p> <p>05 <input type="checkbox"/> IRRIGATION SCHEMES</p> <p>06 <input type="checkbox"/> PRODUCTIVE SOCIAL SAFETY NET (PSSN)</p> <p>07 <input type="checkbox"/> NONE</p>
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<p>DO NOT READ OUT LOUD: Please select the respondent from the list of household members.</p> <p>F s2q04 >=15</p>	<p>SINGLE-SELECT: LINKED RESP SOURCE OF CATEGORIES: ROSTER HOUSEHOLD</p>
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<p>VARIABLE HOUSEHOLD[RESP[0]].MEMBERNAME</p>	<p>STRING RESPNAME2</p>
<p>VARIABLE HOUSEHOLD[RESP[0]].s2q02</p>	<p>LONG RESPGENDER</p>
<p>VARIABLE HOUSEHOLD[RESP[0]].s2q04</p>	<p>LONG RESPAGE</p>

STATIC TEXT

E HOUSEHOLD.Count(x=>x.s2q06.InList(0,1)) == HHSIZE && HOUSEHOLD.Count(x=>x.s2q06==1) == 0
V1 HOUSEHOLD.Count(x=>x.s2q06.InList(0,1)) == HHSIZE && HOUSEHOLD.Count(x=>x.s2q06==1) > 0
M1 At least one household member should make important decisions concerning the farm (s2q06)

Error Message

<p>VARIABLE HOUSEHOLD.Count(\$criteria_males)</p>	<p>LONG numelig_m</p>
<p>VARIABLE (long)Math.Floor(Quest.IRnd()*numelig_m.Value)</p>	<p>LONG rndM</p>
<p>VARIABLE HOUSEHOLD.Where(\$criteria_males).Select(z=>z.@rowcode).ToArray()[rndM.Value]</p>	<p>LONG randomRowcode</p>
<p>VARIABLE s2q01.Where(p=>p.Item1==randomRowcode).First().Item2.ToUpper()</p>	<p>STRING name1</p>
<p>VARIABLE HOUSEHOLD.Count(\$criteria_females_repr)</p>	<p>LONG numelig_f</p>
<p>VARIABLE (long)Math.Floor(Quest.IRnd()*numelig_f.Value)</p>	<p>LONG rndF</p>

VARIABLE HOUSEHOLD.Where(\$criteria_females_repr).Select(z=>z.@rowcode).ToArray()[rndF.value]	LONG	randomRowcodeF
VARIABLE s2q01.Where(p=>p.Item1==randomRowcodeF).First().Item2.ToUpper()	STRING	name2
VARIABLE HOUSEHOLD.Count(\$criteria_females_old)	LONG	numelig_f2
VARIABLE (long)Math.Floor(Quest.IRnd()*numelig_f2.value)	LONG	rndF2
VARIABLE HOUSEHOLD.Where(\$criteria_females_old).Select(z=>z.@rowcode).ToArray()[rndF2.value]	LONG	randomRowcodeF2
VARIABLE s2q01.Where(p=>p.Item1==randomRowcodeF2).First().Item2.ToUpper()	STRING	name3
VARIABLE HOUSEHOLD[(int)randomRowcode].s2q02	LONG	male_sex
VARIABLE HOUSEHOLD[(int)randomRowcode].s2q04	LONG	male_age

STATIC TEXT

E numelig_m >0 && SELECT_SURVEY==1

Selected male aged btn 18 and 64 (SUBSAMPLE M) is : %name1%

VARIABLE HOUSEHOLD[(int)randomRowcodeF].s2q02	LONG	female1_sex
VARIABLE HOUSEHOLD[(int)randomRowcodeF].s2q04	LONG	female_age1

STATIC TEXT

E numelig_f >0 && SELECT_SURVEY==2

Selected female aged btn 18 to 49 (SUBSAMPLE W) is : %name2%

VARIABLE HOUSEHOLD[(int)randomRowcodeF2].s2q04	LONG	female_age2
VARIABLE HOUSEHOLD[(int)randomRowcodeF2].s2q02	LONG	female2_sex

STATIC TEXT

E numelig_f2 >0 && SELECT_SURVEY==2

Selected female aged btn 50 to 64 (SUBSAMPLE W) : %name3%

<p>End Time for Section 2</p> <p>E IsAnswered(InterviewStart_Sec2)</p> <p>V1 self > InterviewStart_Sec2</p> <p>M1 Error. The end time must always be ahead of start time. Correct</p>	<p>DATE: CURRENT TIME</p> <p>InterviewEnd_Sec2</p> <p>.....</p>
VARIABLE (float)InterviewEnd_Sec2.Value.Subtract(InterviewStart_Sec2.Value).TotalMinutes	DOUBLE duration_section2

SECTION 3: FIELD ROSTER

sec3

E VAR0 == true

Start Time for Section 3	DATE: CURRENT TIME	InterviewStart_Sec3
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STATIC TEXT

List all the fields accessed or used by the farm in the past 2023/2024 agricultural year. Include fields that were used partially or entirely for crop cultivation (including vegs and fruit trees and kitchen gardens), farm buildings, farmyards, temporary or permanent pastures, forests and other wooded land, aquaculture. Include also fields that were left temporarily fallow or unused.
A FIELD IS ANY PIECE OF LAND OF ONE LAND TENURE TYPE ENTIRELY SURROUNDED BY OTHER LAND, WATER, ROAD, FOREST OR OTHER FEATURES NOT FORMING PART OF THE FARM, OR FORMING PART OF THE FARM UNDER A DIFFERENT LAND TENURE TYPE.

s3q01 - FIELD NAME	LIST	s3q01
V1 self.Select(x=>x.Item2.ToUpper()).Distinct().Count()==self.Count()		
M1 Please ensure field names are unique		
W2 self.Length<5		
M2 The number of fields reported is very high. Please confirm		

SECTION 3: FIELD ROSTER

Roster: FIELD ROSTER - %ROSTERTITLE%

generated by list question [s3q01](#)

FIELD

s3q02a - Is the %rosteritle% field located in %DISTRICT% district?	SINGLE-SELECT	s3q02a
	01 <input type="radio"/> Yes	
	00 <input type="radio"/> No	
s3q02b - In which region is %rosteritle% field located?	SINGLE-SELECT: COMBO BOX	s3q02b
E s3q02a==0	01 <input type="radio"/> Dodoma	
	02 <input type="radio"/> Arusha	
	03 <input type="radio"/> Kilimanjaro	
	04 <input type="radio"/> Tanga	
	05 <input type="radio"/> Morogoro	
	06 <input type="radio"/> Pwani	
	07 <input type="radio"/> Dar es Salaam	
	08 <input type="radio"/> Lindi	
	09 <input type="radio"/> Mtwara	
	10 <input type="radio"/> Ruvuma	
	11 <input type="radio"/> Iringa	
	12 <input type="radio"/> Mbeya	
	13 <input type="radio"/> Singida	
	14 <input type="radio"/> Tabora	
	15 <input type="radio"/> Rukwa	
	16 <input type="radio"/> Kigoma	
	And 15 other symbols [14]	

s3q02c - In which district is %rostartitle% field located?

SINGLE-SELECT: CASCADING

s3q02c

- 001 Bahi
- 002 Chamwino
- 003 Chemba
- 004 Dodoma
- 005 Kondoa
- 006 Kongwa
- 007 Mpwapwa
- 008 Arumeru
- 009 Arusha
- 010 Karatu
- 011 Longido
- 012 Monduli
- 013 Ngorongoro
- 014 Hai
- 015 Moshi
- 016 Mwanga

[And 134 other symbols \[15\]](#)

s3q03 - What type of tenure rights does the farm have on this %rostartitle% field?

SINGLE-SELECT

s3q03

- 01 CUSTOMARY RIGHT OF OCCUPANCY
- 02 GRANTED RIGHT OF OCCUPANCY
- 03 PURCHASED
- 04 RENTED/LEASED IN
- 05 SHARECROPPED IN
- 06 BORROWED FOR FREE
- 07 MOVED IN WITHOUT PERMISSION
- 08 COMMUNAL LAND RIGHTS
- 09 INHERITED
- 10 OTHER TENURE RIGHTS

s3q04a - What is the area of this %rostartitle% field?

NUMERIC: DECIMAL

s3q04a

I THE AREA IS DECLARED BY THE RESPONDENT. IF THE AREA IS REPORTED ON THE FIELD DOCUMENT, ASK TO SEE THE DOCUMENT

V1 se1f>0

M1 Area must be higher than 0

<p>s3q04a_unit</p> <p>F (SCREENING==1 && @optioncode.InList(2,3)) (SCREENING==2 && @optioncode.InList(1,2,3))</p> <p>E s3q04a>0</p> <p>W1 min_area==true</p> <p>M1 Error!, the area reported is too small for %SCREENING%. Please correct!</p> <p>W2 max_area==true</p> <p>M2 Warning!, the area reported is too high for %SCREENING%. Please confirm!</p>	<p>SINGLE-SELECT s3q04a_unit</p> <p>02 <input type="radio"/> Acre</p> <p>01 <input type="radio"/> Hectare</p> <p>03 <input type="radio"/> Square Meters</p>
<p>VARIABLE</p> <p>SCREENING==1 ? s3q04a_Acres >= 0.00618 : SCREENING==2 ? s3q04a_Acres >= 0.00618 : false //0.0336</p>	<p>BOOLEAN min_area</p>
<p>VARIABLE</p> <p>SCREENING==1 ? s3q04a_Acres < 100 : SCREENING==2 ? s3q04a_Acres < 5000 : false</p>	<p>BOOLEAN max_area</p>
<p>VARIABLE</p> <p>s3q04a_unit == 1 ? s3q04a : s3q04a_unit == 2 ? s3q04a / 2.4710538147 : s3q04a_unit == 3 ? s3q04a / 10000 : 0</p>	<p>DOUBLE s3q04a_Hectares</p>
<p>VARIABLE</p> <p>s3q04a_unit == 1 ? s3q04a * 2.4710538147 : s3q04a_unit == 2 ? s3q04a : s3q04a_unit == 3 ? s3q04a * 0.00024710538147 : 0</p>	<p>DOUBLE s3q04a_Acres</p>
<p>VARIABLE</p> <p>s3q04a_unit == 1 ? s3q04a * 10000 : s3q04a_unit == 2 ? s3q04a * 4046.86 : s3q04a_unit == 3 ? s3q04a : 0</p>	<p>DOUBLE s3q04a_SqMeters</p>
<p>VARIABLE</p> <p>SCREENING==1 ? "kaya hii ilitumiaje shamba" : "lilitumiaje shamba"</p>	<p>STRING s3q05_pipe</p>
<p>s3q05a - How did the household/farm use this <u>%rostartitle%</u> field during the past 2023/24 VUL I SEASON?</p> <p>I SELECT ALL THAT APPLY</p> <p>F SCREENING==2 && @optioncode.InList(1,3,4,5,6,7,8,9,10,11,12,13,14,99) SCREENING==1 && @optioncode.InList(1,2,3,4,5,6,7,8,9,10,11,12,13,14,99)</p> <p>V1 !(self.Contains(11) && self.ContainsAny(1,2,3,4,5,6,7,8,9,10,12,13,14,99))</p> <p>M1 Error! Wrong combination of uses, Cannot select UNUSED with any other use. Correct</p> <p>V2 field_uses == true</p> <p>M2 Warning. The proportion of field size and number of field uses is too high. Confirm!</p>	<p>MULTI-SELECT s3q05a</p> <p>01 <input type="checkbox"/> RESIDENTIAL</p> <p>02 <input type="checkbox"/> KITCHEN GARDEN/FARMYARD</p> <p>D</p> <p>03 <input type="checkbox"/> CROP PRODUCTION</p> <p>04 <input type="checkbox"/> TEMPORARY GRAZING (LIVE STOCK/POULTRY)</p> <p>05 <input type="checkbox"/> PERMANENT GRAZING (LIVE STOCK/POULTRY)</p> <p>06 <input type="checkbox"/> TEMPORARILY FALLOW</p> <p>07 <input type="checkbox"/> FARM BUILDINGS</p> <p>08 <input type="checkbox"/> AQUACULTURE</p> <p>09 <input type="checkbox"/> FOREST/WOODED LAND</p> <p>10 <input type="checkbox"/> BUSINESS/COMMERCIAL</p> <p>11 <input type="checkbox"/> UNUSED</p> <p>12 <input type="checkbox"/> RENTED OUT/SHARECROPPED OUT FOR AGRICULTURE</p> <p>13 <input type="checkbox"/> RENTED OUT FOR NON-AGRICULTURE</p> <p>14 <input type="checkbox"/> GAVE OUT FOR FREE</p> <p>99 <input type="checkbox"/> OTHER(SPECIFY)</p>

<p>VARIABLE SCREENING==1 ? (s3q04a_SqMeters/uses_count_vuli>=25) : SCREENING==2 ? (s3q04a_SqMeters/uses_count_vuli>=25): false</p>	<p>BOOLEAN field_uses</p>
<p>s3q05a_other - Specify E s3q05a.Contains(99)</p>	<p>TEXT s3q05a_other -----</p>
<p>VARIABLE !(s3q05a.Contains(11)) ? s3q05a.Length : 0</p>	<p>LONG uses_count_vuli</p>
<p>VARIABLE s3q05a.ContainsAny(2,3)</p>	<p>BOOLEAN VAR2</p>
<p>s3q05a_1 – Out of the %s3q04a_Acres% acres of roster title field, what was the area used for CROP PRODUCTION or as KITCHEN GARDEN or left TEMPORARY FALLOW during the VULI season in the 2023/24 agricultural year? E (s3q05a.Contains(2) && s3q05a.ContainsAny(1,4,5,7,8,9,10,12,13,14,99)) (s3q05a.Contains(3) && s3q05a.ContainsAny(1,4,5,7,8,9,10,12,13,14,99)) (s3q05a.Contains(6) && s3q05a.ContainsAny(1,4,5,7,8, And 421 other symbols [1])</p>	<p>NUMERIC: DECIMAL s3q05a_1 -----</p>
<p>s3q05a_1_unit F (SCREENING==1 && @optioncode.InList(2,3)) (SCREENING==2 && @optioncode.InList(1,2,3)) E s3q05a_1>0 W1 s3q05a_1_min_area==true M1 Error!, the area reported is too small for %SCREENING%. Please correct! W2 s3q05a_1_max_area==true M2 Warning!, the area reported is too high for %SCREENING%. Please confirm! V3 s3q05a_1_Acres <= s3q04a_Acres M3 Error! the field area used for CROP PRODUCTION, as KITCHEN GARDEN and TEMPORARY FALLOW should be less or equal to the field area. Please correct!</p>	<p>SINGLE-SELECT s3q05a_1_unit 02 <input type="radio"/> Acre 01 <input type="radio"/> Hectare 03 <input type="radio"/> Square Meters</p>
<p>VARIABLE SCREENING==1 ? s3q05a_1_Acres >= 0.00618 : SCREENING==2 ? s3q05a_1_Acres >= 0.00618 : false //0.0336</p>	<p>BOOLEAN s3q05a_1_min_area</p>
<p>VARIABLE SCREENING==1 ? s3q05a_1_Acres < 100 : SCREENING==2 ? s3q05a_1_Acres < 5000 : false</p>	<p>BOOLEAN s3q05a_1_max_area</p>
<p>VARIABLE s3q05a_1_unit == 1 ? s3q05a_1 : s3q05a_1_unit == 2 ? s3q05a_1 / 2.4710538147 : s3q05a_1_unit == 3 ? s3q05a_1 / 1000 : 0</p>	<p>DOUBLE s3q05a_1_Hectares</p>
<p>VARIABLE s3q05a_1_unit == 1 ? s3q05a_1 * 2.4710538147 : s3q05a_1_unit == 2 ? s3q05a_1 : s3q05a_1_unit == 3 ? s3q05a_1 * 0.00024710538147 : 0</p>	<p>DOUBLE s3q05a_1_Acres</p>
<p>VARIABLE s3q05a_1_unit == 1 ? s3q05a_1 * 10000 : s3q05a_1_unit == 2 ? s3q05a_1 * 4046.86 : s3q05a_1_unit == 3 ? s3q05a_1 : 0</p>	<p>DOUBLE s3q05a_1_SqMeters</p>

s3q05b - How did the household/farm use this %rosteritle% field during the past 2023/24 MASIKA SEASON and DRY SEASON?

MULTI-SELECT s3q05b

- 01 RESIDENTIAL
- 02 KITCHEN GARDEN/FARMYARD
- 03 CROP PRODUCTION
- 04 TEMPORARY GRAZING (LIVE STOCK/POULTRY)
- 05 PERMANENT GRAZING (LIVE STOCK/POULTRY)
- 06 TEMPORARILY FALLOW
- 07 FARM BUILDINGS
- 08 AQUACULTURE
- 09 FOREST/WOODED LAND
- 10 BUSINESS/COMMERCIAL
- 11 UNUSED
- 12 RENTED OUT/SHARECROPPED OUT FOR AGRICULTURE
- 13 RENTED OUT FOR NON-AGRICULTURE
- 14 GAVE OUT FOR FREE
- 99 OTHER (SPECIFY)

F SCREENING==2 && @optioncode.InList(1,3,4,5,6,7,8,9,10,11,12,13,14,99) || SCREENING==1 && @optioncode.InList(1,2,3,4,5,6,7,8,9,10,11,12,13,14,99)

V1 self.ContainsAny(1,2,3,4,5,6,7,8,9,10,11,12,13,99)

M1 Error! wrong combination of uses. You can not select "SAME AS VULI" with any other use(s). Please Correct!

V2 !(self.Contains(11) && self.ContainsAny(1,2,3,4,5,6,7,8,9,10,12,13,14,99))

M2 Error! Wrong combination of uses, Cannot select UNUSED with any other use. Correct

V3 field_uses_m == true

M3 Warning. The proportion of field size and number of field uses if too high. Confirm!

VARIABLE SCREENING==1 ? (s3q04a_SqMeters/uses_count_masika>=25) : SCREENING==2 ? (s3q04a_SqMeters/uses_count_masika>=25) : false	BOOLEAN field_uses_m
-------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------

s3q05b_other - Specify E s3q05b.Contains(99)	TEXT s3q05b_other -----
-------------------------------------------------	---------------------------------------------------------------

VARIABLE s3q05b.Length	LONG uses_count_masika
---------------------------	-----------------------------------------------------------

VARIABLE //s3q05b.ContainsAny(2,3) s3q05b.ContainsAny(2,3) (s3q05b.ContainsOnly(0) && s3q05a.ContainsAny(2,3))	BOOLEAN VAR3
----------------------------------------------------------------------------------------------------------------------	-------------------------------------------------

VARIABLE VAR2 == true VAR3 == true	BOOLEAN VAR4
------------------------------------------	-------------------------------------------------

s3q05b_1 - Out of the <u>%s3q04a Acres%</u> acres of <u>%rosteritle%</u> field, what was the areas solely used for for CROP PRODUCTION or as KITCHEN GARDEN or left TEMPORARY FALLOW during the MASIKA season in the 2023/24 agricultural year? E (s3q05b.Contains(2) && s3q05b.ContainsAny(1,4,5,7,8,9,10,12,13,14,99)) (s3q05b.Contains(3) && s3q05b.ContainsAny(1,4,5,7,8,9,10,12,13,14,99)) (s3q05b.Contains(6) && s3q05b.ContainsAny(1,4,5,7, And 430 other symbols [2])	NUMERIC: DECIMAL s3q05b_1 -----
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<p>s3q05b_1_unit</p> <p>F (SCREENING==1 && @optioncode.InList(2,3)) (SCREENING==2 && @optioncode.InList(1,2,3))</p> <p>E s3q05b_1>0</p> <p>W1 s3q05b_1_min_area==true</p> <p>M1 Error!, the area reported is too small for %SCREENING%. Please correct!</p> <p>W2 s3q05b_1_max_area==true</p> <p>M2 Warning!, the area reported is too high for %SCREENING%. Please confirm!</p> <p>V3 s3q05b_1_Acres <= s3q04a_Acres</p> <p>M3 Error! the field area used for CROP PRODUCTION, as KITCHEN GARDEN and TEMPORARY FALLOW should be less or equal to the field area. Please correct!</p>	<p>SINGLE-SELECT</p> <p>s3q05b_1_unit</p> <p>02 <input type="radio"/> Acre</p> <p>01 <input type="radio"/> Hectare</p> <p>03 <input type="radio"/> Square Meters</p>
<p>VARIABLE</p> <p>SCREENING==1 ? s3q05b_1_Acres >= 0.00618 : SCREENING==2 ? s3q05b_1_Acres >= 0.00618 : false //0.0336</p>	<p>BOOLEAN</p> <p>s3q05b_1_min_area</p>
<p>VARIABLE</p> <p>SCREENING==1 ? s3q05b_1_Acres < 100 : SCREENING==2 ? s3q05b_1_Acres < 5000 : false</p>	<p>BOOLEAN</p> <p>s3q05b_1_max_area</p>
<p>VARIABLE</p> <p>s3q05b_1_unit == 1 ? s3q05a_1 : s3q05b_1_unit == 2 ? s3q05b_1 / 2.4710538147 : s3q05b_1_unit == 3 ? s3q05b_1 / 1000 : 0</p>	<p>DOUBLE</p> <p>s3q05b_1_Hectares</p>
<p>VARIABLE</p> <p>s3q05b_1_unit == 1 ? s3q05b_1 * 2.4710538147 : s3q05b_1_unit == 2 ? s3q05b_1 : s3q05b_1_unit == 3 ? s3q05b_1 * 0.00024710538147 : 0</p>	<p>DOUBLE</p> <p>s3q05b_1_Acres</p>
<p>VARIABLE</p> <p>s3q05b_1_unit == 1 ? s3q05b_1 * 10000 : s3q05b_1_unit == 2 ? s3q05b_1 * 4046.86 : s3q05b_1_unit == 3 ? s3q05b_1 : 0</p>	<p>DOUBLE</p> <p>s3q05b_1_SqMeters</p>
<p>VARIABLE</p> <p>s3q05a.ContainsAny(4,5)</p>	<p>BOOLEAN</p> <p>VAR7</p>
<p>VARIABLE</p> <p>//s3q05b.ContainsAny(4,5) s3q05b.ContainsAny(4,5) (s3q05b.ContainsOnly(0) && s3q05a.ContainsAny(4,5))</p>	<p>BOOLEAN</p> <p>VAR8</p>
<p>VARIABLE</p> <p>s3q05a.Contains(8) s3q05b.Contains(8) (s3q05b.ContainsOnly(0) && s3q05a.Contains(8))</p>	<p>BOOLEAN</p> <p>VAR9</p>
<p>VARIABLE</p> <p>FIELD.Count(x=>x.s3q04a>0) == s3q01.Length</p>	<p>BOOLEAN</p> <p>roster_count</p>
<p>STATIC TEXT</p> <p>E s1q06 == 1 && VAR2_3_ALLFIELDS == false && ((s3q01.Length == FIELD.Count(x=>IsAnswered(x.s3q05a)==true)) (s3q01.Length == FIELD.Count(x=>IsAnswered(x.s3q05b)==true)))</p> <p>V1 //s1q06 == 1 && VAR2_ALLFIELDS == true s1q06 == 1 && VAR2_3_ALLFIELDS == true</p> <p>M1 Respondent reported growing crops in vuli or masika/dry season at s1q06 but no fields indicated here with either Vuli or Masika/Dry season crops.</p> <p>Error Message</p>	
<p>VARIABLE</p> <p>FIELD.Sum(x=>x.s3q04a_Acres)</p>	<p>DOUBLE</p> <p>sum_area_field</p>
<p>STATIC TEXT</p> <p>E s1q06 == 0 && VAR2_3_ALLFIELDS == true && ((s3q01.Length == FIELD.Count(x=>IsAnswered(x.s3q05a)==true)) (s3q01.Length == FIELD.Count(x=>IsAnswered(x.s3q05b)==true)))</p> <p>V1 s1q06 == 0 && VAR2_3_ALLFIELDS == false</p> <p>M1 Respondent reported no crop activity in Vuli or Masika/Dry season at s1q06 but some fields listed with Vuli or Masika/Dry season crops.</p> <p>Error Message</p>	

VARIABLE FIELD.Any(x=>x.VAR2==true)	BOOLEAN	VAR2_ALLFIELDS
VARIABLE FIELD.Any(x=>x.VAR3==true)	BOOLEAN	VAR3_ALLFIELDS
VARIABLE VAR2_ALLFIELDS == true VAR3_ALLFIELDS == true	BOOLEAN	VAR2_3_ALLFIELDS
VARIABLE FIELD.Any(x=>x.VAR7==true) FIELD.Any(x=>x.VAR8==true)	BOOLEAN	VAR7_8_ALLFIELDS
VARIABLE FIELD.Any(x=>x.VAR9==true)	BOOLEAN	VAR9_ALLFIELDS

STATIC TEXT

E s1q07 == 0 && VAR7_8_ALLFIELDS == true && ((s3q01.Length == FIELD.Count(x=>IsAnswered(x.s3q05a)==true)) || (s3q01.Length ==FIELD.Count(x=>IsAnswered(x.s3q05b)==true)))

V1 s1q07 == 0 && VAR7_8_ALLFIELDS == false

M1 Respondent reported no livestock activity at s1q07 but some fields listed with Vuli or Masika/Dry season Grazing Fields.

Error Message

STATIC TEXT

E s1q09 == 0 && VAR9_ALLFIELDS == true && ((s3q01.Length == FIELD.Count(x=>IsAnswered(x.s3q05a)==true)) || (s3q01.Length ==FIELD.Count(x=>IsAnswered(x.s3q05b)==true)))

V1 s1q09 == 0 && VAR9_ALLFIELDS == false

M1 Respondent reported no aquaculture activity at s1q09 but some fields listed with Vuli or Masika/Dry season aquaculture.

Error Message

End Time for Section 3

DATE: CURRENT TIME InterviewEnd_Sec3

E IsAnswered(InterviewStart_Sec3)

V1 self > InterviewStart_Sec3

.....

M1 Error. The end time must always be ahead of start time. Correct

VARIABLE
(float)InterviewEnd_Sec3.Value.Subtract(InterviewStart_Sec3.Value).TotalMinutes

DOUBLE duration_section3

SECTION 4. VULI PLOT ROSTER

Sec4

E VAR2_ALLFIELDS == true || FIELD.Any(x=>x.s3q05a.Contains(6))

Start Time for Section 4	DATE: CURRENT TIME	InterviewStart_Sec4
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SECTION 4. VULI PLOT ROSTER

Roster: FIELD ROSTER - %ROSTERTITLE%

generated by list question [s3q01](#)

FIELD1

E VAR2 == true || s3q05a.Contains(6)

STATIC TEXT

*I am about to ask you questions about the plots in **%rosteritle%** field in the past 2023/2024 VULI SEASON. A PLOT IS DEFINED AS A CONTINUOUS PIECE OF LAND ON WHICH A SPECIFIC CROP OR A MIXTURE OF CROPS IS GROWN OR WHICH IS FALLOW OR WAITING TO BE PLANTED. Please list all plots on **%rosteritle%** field that were cultivated with crops, used as kitchen gardens/backyards or left fallow during the past 2023/2024 VULI SEASON.*

s4q01 - Plot Name	LIST	s4q01
I KISHAMBA KINATAFSIRIWA KAMA ENEO LA ARDHI AMBALO NI SEHE MU YA SHAMBA AMBAPO ZAO MOJA AU MAZAO MCHANGANYIKO YA NALIMWA AU AMBALO LIMEACHWA BILA KULIMWA AU LINASUBIRI K UPANDWA.		
V1 self.Select(x=>x.Item2.ToUpper()).Distinct().Count()==self.Count()		
M1 Please ensure plot names are unique		
W2 plots_number==true		
M2 The number of plots per field seems high for %SCREENING%. Please check the answer.		
VARIABLE (s4q01.Length<3 && SCREENING==1) (s4q01.Length<6 && SCREENING==2)	BOOLEAN	plots_number
VARIABLE VULIPILOT.Sum(x=>x.s4q03_Hectares)	DOUBLE	s4q03_Hectares_Sum
VARIABLE VULIPILOT.Sum(x=>x.s4q03_Acres)	DOUBLE	s4q03_Acres_Sum
VARIABLE VULIPILOT.Sum(x=>x.s4q03_SqMeters)	DOUBLE	s4q03_SqMeters_Sum

STATIC TEXT

E s4q03_Hectares_Sum > s3q04a_Hectares

V1 s4q03_Hectares_Sum <= s3q04a_Hectares

M1 The sum of plot areas on <u>%rosteritle%</u> field is <u>%s4q03_Acres_Sum%</u> acres. The sum cannot exceed area of the field, which is <u>%s3q04a_Acres%</u> acres.

Error Message

STATIC TEXT

E s3q05a_1_Hectares>0 && (s4q03_Acres_Sum > s3q05a_1_Acres)

V1 (s4q03_Acres_Sum <= s3q05a_1_Acres)

M1 The sum of plot areas on <u>%rosteritle%</u> field is <u>%s4q03_Acres_Sum%</u> acres. The sum cannot exceed area of the field allocated for [crop cultivation/Garden], which is <u>%s3q05a_1_Acres%</u> acres.

Warning

VARIABLE VULIPILOT.Any(x=>x.plot_uses_vuli==true)	BOOLEAN	any_uses_vuli
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<p>s4q02 - During the past 2023/24 VULI SEASON, how was this %rosteritle% plot of %FIELD1% field used?</p> <p>I READ ANSWERS</p> <p>F SCREENING==2 && @optioncode.InList(2,3) SCREENING==1 && @optioncode.InList(1,2,3)</p> <p>V1 self==1 && s3q05a.Contains(2) self.InList(2,3)</p> <p>M1 Kitchen garden has not been indicated on this field at s3q05a</p> <p>V2 self==2 && s3q05a.Contains(3) self.InList(1,3)</p> <p>M2 Crop Cultivation has not been indicated on this field at s3q05a</p> <p>V3 self==3 && s3q05a.Contains(6) self.InList(1,2)</p> <p>M3 Temporary fallow has not been indicated on this field at s3q05a</p>	<p>SINGLE-SELECT s4q02</p> <p>01 <input type="radio"/> A KITCHEN GARDEN/BACKYARD</p> <p>02 <input type="radio"/> CULTIVATED WITH CROPS</p> <p>03 <input type="radio"/> TEMPORARILY LEFT FALLOW</p>
<p>VARIABLE</p> <p>s4q02.InList(1,2)</p>	<p>BOOLEAN plot_uses_vuli</p>
<p>s4q03 - What was the area of this %rosteritle% plot on %FIELD1% field during the past 2023/2024 VULI SEASON??</p> <p>I FARMER DECLARES PLOT AREA (NO MEASUREMENT)</p> <p>V1 self > 0</p> <p>M1 Error! the area of the plot must be higher than 0</p>	<p>NUMERIC: DECIMAL s4q03</p> <p>-----</p>
<p>s4q03_unit</p> <p>F (SCREENING==1 && @optioncode.InList(2,3)) (SCREENING==2 && @optioncode.InList(1,2,3))</p> <p>E s4q03>0</p> <p>V1 ((s4q03_Acres < s3q04a_Acres) && s4q01.Length>1) s4q01.Length==1</p> <p>M1 The area of this plot <u>(%s4q03_Acres% acres)</u> must be less than the area of the field %FIELD1% field <u>(%s3q04a_Acres% acres)</u>, if at all there are more than one plot!</p> <p>V2 (s3q05a.Length==1 & s4q01.Length==1 & s3q04a_Acres==s4q03_Acres) s3q05a.Length!=1 s4q01.Length!=1</p> <p>M2 The plot area is expected to match the field area (%s3q04a% %s3q04a_unit%) because the field has a single use and contains only one plot. Check that all relevant field uses have been selected.</p>	<p>SINGLE-SELECT s4q03_unit</p> <p>02 <input type="radio"/> Acre</p> <p>01 <input type="radio"/> Hectare</p> <p>03 <input type="radio"/> Square Meter</p>
<p>VARIABLE</p> <p>s4q03_unit == 1 ? s4q03 : s4q03_unit == 2 ? s4q03 / 2.4710538147 : s4q03_unit == 3 ? s4q03 / 10000 : 0</p>	<p>DOUBLE s4q03_Hectares</p>
<p>VARIABLE</p> <p>s4q03_unit == 1 ? s4q03 * 2.4710538147 : s4q03_unit == 2 ? s4q03 : s4q03_unit == 3 ? s4q03 * 0.00024710538147 : 0</p>	<p>DOUBLE s4q03_Acres</p>
<p>VARIABLE</p> <p>s4q03_unit == 1 ? s4q03 * 10000 : s4q03_unit == 2 ? s4q03 * 4046.86 : s4q03_unit == 3 ? s4q03 : 0</p>	<p>DOUBLE s4q03_SqMeters</p>
<p>s4q04 - Was this %rosteritle% plot in pure stand or mixed during the past 2023/24 VULI SEASON?</p> <p>E s4q02.InList(1,2)</p>	<p>SINGLE-SELECT s4q04</p> <p>01 <input type="radio"/> PURE STAND</p> <p>02 <input type="radio"/> MIXED</p> <p>03 <input type="radio"/> INTERCROPPED</p>

<p>s4q05a - Was there any irrigation infrastructure on this <u>%rosteritle%</u> plot during the past 2023/24 VULI SEASON?</p> <p>I INSTRUCTION: INCLUDES FULLY CONTROLLED IRRIGATION AND PARTIALLY CONTROLLED IRRIGATION. E s4q02.InList(1,2)</p>	<p>SINGLE-SELECT s4q05a</p> <p>01 <input type="radio"/> Yes 00 <input type="radio"/> No</p>
<p>s4q05b - Approximately what percentage or proportion of <u>%rosteritle%</u> plot was irrigated during the past 2023/24 VULI SEASON?</p> <p>I In percentage (%) E s4q05a==1 V1 self.InRange(1,100) M1 Value must be between 1 and 100.</p>	<p>NUMERIC: INTEGER s4q05b</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All - 100% 075 Three-quarters - 75% 050 Half - 50% 025 One quarter - 25%</p>
<p>s4q06 - What was the main method of irrigating plants/pouring water on this <u>%rosteritle%</u> plot during the past 2023/24 VULI SEASON?</p> <p>E s4q05a==1</p>	<p>SINGLE-SELECT s4q06</p> <p>01 <input type="radio"/> MANUAL IRRIGATION 02 <input type="radio"/> SPRINKLER IRRIGATION 03 <input type="radio"/> DRIP IRRIGATION 04 <input type="radio"/> FLOODING/SURFACE/FURROW W 05 <input type="radio"/> PIVOT IRRIGATION 06 <input type="radio"/> TERRACED IRRIGATION 99 <input type="radio"/> OTHER(Specify)</p>
<p>s4q06_other - Specify</p> <p>E s4q06==99</p>	<p>TEXT s4q06_other</p> <p>-----</p>
<p>s4q07 - Did you apply any organic fertilizer on this <u>%rosteritle%</u> plot during the past 2023/2024 VULI SEASON?</p> <p>E s4q02.InList(1,2)</p>	<p>SINGLE-SELECT s4q07</p> <p>01 <input type="radio"/> Yes 00 <input type="radio"/> No</p>
<p>s4q08 - Which organic fertilizers were applied on this <u>%rosteritle%</u> plot during the past 2023/24 VULI SEASON?</p> <p>I SELECT ALL THAT APPLY E s4q07==1</p>	<p>MULTI-SELECT s4q08</p> <p>01 <input type="checkbox"/> SOLID MANURE/FARM YARD MANURE 02 <input type="checkbox"/> LIQUID MANURE/SLURRY 03 <input type="checkbox"/> GREEN MANURE (CROP RESIDUES) 04 <input type="checkbox"/> COMPOST 05 <input type="checkbox"/> STABILISED SEWAGE SLUDGE E 06 <input type="checkbox"/> BIOFERTILIZERS 07 <input type="checkbox"/> FOLIAR FERTILIZER (BUSTER) 99 <input type="checkbox"/> OTHER (SPECIFY)</p>
<p>s4q08_other - Specify</p> <p>E s4q08.Contains(99)</p>	<p>TEXT s4q08_other</p> <p>-----</p>

<p>s4q09 - Did you apply any inorganic fertilizer on this <u>%rosteritle%</u> plot during the past 2023/2024 VULI SEASON?</p> <p>E s4q02.InList(1,2)</p>	<p>SINGLE-SELECT s4q09</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>s4q10 - Which inorganic (chemical) fertilizers were applied on this <u>%rosteritle%</u> plot during the past 2023/24 VULI SEASON?</p> <p>I SELECT ALL THAT APPLY</p> <p>E s4q09==1</p>	<p>MULTI-SELECT s4q10</p> <p>008 <input type="checkbox"/> UREA</p> <p>009 <input type="checkbox"/> DIAMMONIUM PHOSPHATE (DAP)</p> <p>010 <input type="checkbox"/> CALCIUM AMMONIUM NITRATE (CAN)</p> <p>011 <input type="checkbox"/> AMMONIUM SULPHATE (SA)</p> <p>012 <input type="checkbox"/> NITROGEN, PHOSPHORUS, POTASSIUM (NPKs)</p> <p>013 <input type="checkbox"/> MINJINGU NAFKA PLUS</p> <p>014 <input type="checkbox"/> NPS ZINC</p> <p>115 <input type="checkbox"/> FOMI</p> <p>116 <input type="checkbox"/> KENOPLUS</p> <p>117 <input type="checkbox"/> PANDAPLUS</p> <p>118 <input type="checkbox"/> MACROP</p> <p>119 <input type="checkbox"/> AMIDAS</p> <p>120 <input type="checkbox"/> Triple Super Phosphate (TSP)</p> <p>121 <input type="checkbox"/> Muriate of Potash (MOP)</p> <p>099 <input type="checkbox"/> Other inorganic fertilizers (Specify)</p>
<p>s4q10_other - Specify</p> <p>E s4q10.Contains(99)</p>	<p>TEXT s4q10_other</p> <p>.....</p>
<p>s4q10a - Approximately what percentage or proportion of <u>%rosteritle%</u> plot was applied with inorganic (chemical) fertilizer for the past 2023/24 VULI SEASON?</p> <p>E s4q09==1</p> <p>v1 self.InRange(1,100)</p> <p>M1 Error!. The percentage is out of range. Please correct!</p>	<p>NUMERIC: INTEGER s4q10a</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All - 100%</p> <p>075 Three-quarters - 75%</p> <p>050 Half - 50%</p> <p>025 One quarter - 25%</p>
<p>s4q11 - Did you apply any pesticide on this <u>%rosteritle%</u> plot during the past 2023/2024 VULI SEASON?</p> <p>E s4q02.InList(1,2)</p>	<p>SINGLE-SELECT s4q11</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

s4q12 - Which pesticides were applied on this %rosteritle% plot during the past 2023/2024 VULI SEASON?

I SELECT ALL THAT APPLY
E s4q11==1

- MULTI-SELECT s4q12
- 16 INSECTICIDES
 - 17 HERBICIDE (SOLID)
 - 18 HERBICIDE (LIQUID)
 - 19 FUNGICIDE
 - 20 RODENTICIDE
 - 99 OTHER (SPECIFY)

s4q12_other - Specify

E s4q12.Contains(99)

TEXT s4q12_other

.....

End Time for Section 4

E IsAnswered(InterviewStart_Sec4)
V1 self > InterviewStart_Sec4
M1 Error. The end time must always be ahead of start time. Correct

DATE: CURRENT TIME InterviewEnd_Sec4

.....

VARIABLE
(float)InterviewEnd_Sec4.Value.Subtract(InterviewStart_Sec4.Value).TotalMinutes

DOUBLE duration_section4

SECTION 5: VULI CROP ROSTER

Sec5

E VAR2_ALLFIELDS == true && FIELD1.Any(x=>x.any_uses_vuli==true)

Start Time for Section 5	DATE: CURRENT TIME	InterviewStart_Sec5
--------------------------	--------------------	---------------------

SECTION 5: VULI CROP ROSTER
Roster: FIELD ROSTER - %ROSTERTITLE%
 generated by list question [s3q01](#)

FIELD2

E VAR2 == true

SECTION 5: VULI CROP ROSTER / FIELD ROSTER - %ROSTERTITLE%
Roster: VULI PLOTS - %ROSTERTITLE%
 generated by list question [s4q01](#)

VULILOT1

E s4q02.InList(1,2)

STATIC TEXT

*I am about to ask you about the crops on **%VULILOT1%** plot of **%FIELD2%** field.*

s5q01 - List all the temporary and permanent crops, including fruit trees on **%rosteritle%** plot in the past 2023/24 VULI SEASON.

MULTI-SELECT s5q01

- 011 Maize
- 012 Paddy
- 013 Sorghum
- 014 Bulrush Millet
- 015 Finger Millet
- 016 Wheat
- 017 Barley
- 021 Cassava
- 022 Sweet potatoes
- 023 Irish potatoes
- 024 Yams
- 025 Cocoyams
- 026 Onion
- 027 Ginger
- 028 Garlic
- 031 Beans

[And 76 other symbols \[5\]](#)

s5q01_other - Specify

TEXT s5q01_other

E s5q01.Contains(998)

VARIABLE
s4q01[@rowcode-1].Item2

STRING PLOTNAMEVULI

VARIABLE
VULICROP.Sum(x=>x.s5q02)

LONG s5q02_sum

VARIABLE (s4q04==2 && s5q02_sum<=100) (s4q04==3 && s5q02_sum>0)	BOOLEAN	mixed_threshold
-----------------------------------------------------------------------	---------	-----------------

SECTION 5: VULI CROP ROSTER / FIELD ROSTER - %ROSTERTITLE% / VULI PLOTS - %ROSTERTITLE%

Roster: VULI CROP ROSTER - %ROSTERTITLE%

generated by multi-select question s5q01

VULICROP

VARIABLE @rowcode	LONG	CropCode_Vuli
VARIABLE CropType[@rowcode].tempperm	DOUBLE	VAR5
VARIABLE VAR5 == 1 ? "MUDA MFUPI" : // MUDA MFUPI means "temporary" y" VAR5 == 2 ? "KUDUMU" : //KUDUMU means "permanent" " "	STRING	VAR5_String
VARIABLE @rowcode == 998 ? s5q01_other : " "	STRING	other_crop
Is %rosteritle% <u>other_crop</u> a temporary or permanent crop? E @rowcode==998	SINGLE-SELECT 01 <input type="radio"/> Temporary crop 02 <input type="radio"/> Permanent crop	temp_or_perm
s5q02 - During the past 2023/24 VULI SEASON, approximately what percent of <u>%PLOTNAMEVULI%</u> plot was planted with <u>%rosteritle% other_crop</u> ? E s4q04.InList(2,3) V1 //s5q02_sum <= 100 mixed_threshold==true M1 Error. the percentages can not exceed 100 in mixed mode. Please correct! V2 (self<100 && s4q04==2) (self<=100 && s4q04==3) M2 Error! Percentage must be less than 100 in mixed mode . Please Correct! V3 self>0 M3 Error! Percentage can not be a negative. Correct!	NUMERIC: INTEGER ----- SPECIAL VALUES 75 Three-quarters - 75% 50 Half - 50% 25 One quarter - 25%	s5q02
VARIABLE s4q04.InList(2,3) ? s5q02*0.01*s4q03_Hectares : s4q04==1 ? s4q03_Hectares: 0	DOUBLE	vuli_calculated_hectares
VARIABLE s4q04.InList(2,3) ? s5q02*0.01*s4q03_Acres : s4q04==1 ? s4q03_Acres : 0	DOUBLE	vuli_calculated_acres
VARIABLE s4q04.InList(2,3) ? s5q02*0.01*s4q03_SqMeters : s4q04==1 ? s4q03_SqMeters : 0	DOUBLE	vuli_calculated_sqmeters

STATIC TEXT

E s4q04.InList(2,3) && s4q03_unit==1 && IsAnswered(s5q02)

The area of %VULI PLOT1% plot planted with %rosteritle% covers %vuli_calculated_hectares% hectares.

STATIC TEXT

E s4q04.InList(2,3) && s4q03_unit==2 && IsAnswered(s5q02)

The area of %VULI PLOT1% plot planted with %rosteritle% is %vuli_calculated_acres% acres.

STATIC TEXT

E s4q04.InList(2,3) && s4q03_unit==3 && IsAnswered(s5q02)

The area of %VULI PLOT1% plot planted with %rosteritle% is %vuli_calculated_sqmeters% square meters.

<p>s5q03 - When was <u>%rosteritle% %other_crop%</u> planted on <u>%PLOTNAMEVULI%</u> plot during the past 2023/24 VULI SEASON?</p> <p>E VAR5==1 temp_or_perm ==1</p>	<p>SINGLE-SELECT s5q03</p> <p>09 <input type="radio"/> SEPTEMBER 2023</p> <p>10 <input type="radio"/> OCTOBER 2023</p> <p>11 <input type="radio"/> NOVEMBER 2023</p> <p>12 <input type="radio"/> DECEMBER 2023</p> <p>01 <input type="radio"/> JANUARY 2024</p> <p>02 <input type="radio"/> FEBRUARY 2024</p>
<p>VARIABLE</p> <p>s5q03.InList(9,10,11,12) ? 2023 : 2024</p>	<p>LONG yearplanted_vuli</p>
<p>VARIABLE</p> <p>new DateTime((int)yearplanted_vuli, (int)s5q03, 1)</p>	<p>DATETIME dateplanted_vuli</p>
<p>s5q04 - Which <u>%rosteritle% %other_crop%</u> seeds did you use during the past 2023/24 VULI SEASON?</p> <p>I SELECT ALL THAT APPLY. IF RESPONDENT DOES NOT KNOW, ASK TO SEE PACKAGING</p> <p>E VAR5 == 1 temp_or_perm == 1</p>	<p>MULTI-SELECT s5q04</p> <p>01 <input type="checkbox"/> IMPROVED</p> <p>02 <input type="checkbox"/> TRADITIONAL</p> <p>03 <input type="checkbox"/> IMPROVED, RECYCLED</p>
<p>s5q04a - What was the total quantity of <u>%rosteritle% %other_crop%</u> seeds planted during the past VULI SEASON on this <u>%PLOTNAMEVULI%</u> plot?</p> <p>E IsAnswered(s5q04)</p> <p>V1 self>0</p> <p>M1 Error!, The amount entered can not be negative. Please correct!</p>	<p>NUMERIC: DECIMAL s5q04a</p> <p>-----</p>
<p>s5q04a_Unit - Unit</p> <p>F (@optioncode==3 && @rowcode.InList(21,22,24,78,212,902,60)) (@optioncode==4 && @rowcode.InList(26, 28, 213, 214, 89, 90, 91, 901, 921, 904, 905, 93, 94, 96, 100, 102, 61)) (@optioncode==1 && @ And 576 other symbols [2]</p> <p>E s5q04a>0</p>	<p>SINGLE-SELECT s5q04a_Unit</p> <p>01 <input type="radio"/> KILOGRAM</p> <p>02 <input type="radio"/> SEEDLINGS</p> <p>03 <input type="radio"/> CUTTINGS</p> <p>04 <input type="radio"/> GRAM</p>
<p>s5q04b - How much seeds (in <u>%s5q04a_Unit%</u>) would you have used if you had planted <u>%rosteritle% %other_crop%</u> on this <u>%PLOTNAMEVULI%</u> in pure mode?</p> <p>E IsAnswered(s5q04) && s4q04.InList(2,3)</p> <p>W1 self>=s5q04a</p> <p>M1 The amount of seeds used in pure mode is lower or equal than the amount used in mixed mode. Please confirm.</p>	<p>NUMERIC: DECIMAL s5q04b</p> <p>-----</p>
<p>s5q05 - Did you harvest any of the <u>%rosteritle% %other_crop%</u> on this <u>%PLOTNAMEVULI%</u> plot during the past 2023/2024 VULI SEASON?</p> <p>E VAR5 == 1 temp_or_perm == 1</p>	<p>SINGLE-SELECT s5q05</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

s5q06 - Why did not you harvest %rostertitle%
%other_crop% from %PLOTNAMEVULI% during the past VULI SEASON of the 2023/2024 agricultural year?

I SELECT ALL THAT APPLY.
E s5q05==0

MULTI-SELECT s5q06

01 TOO LITTLE RAIN/DROUGHT

02 RAIN/FLOOD DAMAGE

03 RAIN CAME TOO EARLY OT T
OO LATE

04 WIND/FROST DAMAGE

05 PLANT PEST/DISEASE

06 FIRE DAMAGE

07 CROP THEFT

08 NO AVAILABLE LABOR

09 ANIMAL/BIRDS DAMAGE

99 OTHER (SPECIFY)

s5q06_other - Specify

E s5q06.Contains(99)

TEXT s5q06_other

.....

s5q07 - When did you start harvesting %rostart
itle% %other_crop% from this %PLOTNAMEVULI%
I% during the past 2023/2024 VULI SEASON?

I * For continuous harvest, indicate the date when the harvest first began.
E s5q05==1 && IsAnswered(s5q03)
V1 dateharvested_vuli >= dateplanted_vuli
M1 The harvest date must be after the planting date.
W2 dateharvested_vuli != dateplanted_vuli
M2 Please confirm that the harvest occurred on the same month as the planting (short cycle crop).

SINGLE-SELECT s5q07

10 October 2023

11 November 2023

12 December 2023

01 January 2024

02 February 2024

03 March 2024

VARIABLE
s5q07.InList(10,11,12) ? 2023 : 2024

LONG yearharvested_vuli

VARIABLE
new DateTime((int)yearharvested_vuli, (int)s5q07, 1)

DATETIME dateharvested_vuli

s5q09 - During the past 2023/24 VULI SEASON, approximately what percentage of %PLOTNAMEVULI% plot area planted with %rostertitle% %other_crop% was harvested?

E (VAR5 == 1 || temp_or_perm == 1) && s5q05==1
V1 self.InRange(1,100)
M1 Percentage must be between 1 and 100

NUMERIC: DECIMAL s5q09

SPECIAL VALUES

100 All - 100%

075 Three-quarters - 75%

050 Half - 50%

025 One quarter - 25%

VARIABLE
vuli_calculated_hectares*0.01*s5q09

DOUBLE area_harvested_hectares

VARIABLE
vuli_calculated_acres*0.01*s5q09

DOUBLE area_harvested_acres

VARIABLE
vuli_calculated_sqmeters*0.01*s5q09

DOUBLE area_harvested_sqmeters

STATIC TEXT

E s4q03_unit==1 && IsAnswered(s5q09)

The area of %PLOTNAMEVULI% plot harvested with %rostertitle% %other_crop% is %area_harvested_hectares% hectares

(out of %vuli_calculated_hectares% hectares of the area planted).

STATIC TEXT

E s4q03_unit==2 && IsAnswered(s5q09)

The area of %PLOTNAMEVULI% plot harvested with %rostertitle% %other_crop% is %area_harvested_acres% acres (out of %vuli_calculated_acres% acres of the area planted).

STATIC TEXT

E s4q03_unit==3 && IsAnswered(s5q09)

The area of %PLOTNAMEVULI% plot harvested with %rostertitle% %other_crop% is %area_harvested_sqmeters% square meters (out of %vuli_calculated_sqmeters% square meters of the area planted).

s5q10 - Why not harvesting all the area planted with %rostertitle% %other_crop% on this %PLOTNAMEVULI% plot?

I SELECT THE MAIN TWO REASONS

E s5q09<100

MULTI-SELECT

s5q10

- 01 TOO LITTLE RAIN/DROUGHT
- 02 RAIN/FLOOD DAMAGE
- 03 RAIN CAME TOO EARLY OR TOO LATE
- 04 WIND/FROST DAMAGE
- 05 PLANT PEST/DISEASE
- 06 FIRE DAMAGE
- 07 CROP THEFT
- 08 NO AVAILABLE LABOR
- 09 ANIMAL/BIRDS DAMAGE
- 99 OTHER (SPECIFY)

s5q10_other - Specify

E s5q10.Contains(99)

TEXT

s5q10_other

.....

s5q08c - How much %rostertitle% %other_crop% did you harvest from %PLOTNAMEVULI% plot during the past 2023/2024 VULI SEASON?

E s5q05==1

V1 self > 0

M1 Harvested amount must be greater than 0

NUMERIC: DECIMAL

s5q08c

s5q08c_unit - Harvest unit

F @rowcode == 12 ? @optioncode.InList(1,2,3,80,91,92,93,111,112,113,114,115,116,117,119,121,122,123,190,200) : @rowcode == 13 ? @optioncode.InList(1,2,3,50,60,80,91,92,93,111,112,113,114,190,200,100,150 [And 5654 other symbols \[3\]](#)
 E s5q08c>0

SINGLE-SELECT s5q08c_unit

- 001 Kilogram
- 002 Gram
- 003 Tonne
- 004 Litre
- 011 Small Piece
- 012 Medium Piece
- 013 Large Piece
- 021 Small Heap
- 022 Medium Heap
- 023 Large Heap
- 030 Tenga/Susu) straw basket
- 041 Small bunch
- 042 Medium bunch (mkungu)
- 043 Large bunch (mkungu)
- 044 Splinter (kichane/chana)
- 050 Bowl (Bakuli)

[And 33 other symbols \[7\]](#)

s5q8c_state - Harvest state/condition

F @rowcode == 11 ? @optioncode.InList(111,112) : @rowcode == 12 ? @optioncode.InList(12,2004) : @rowcode == 13 ? @optioncode == 13 : @rowcode == 14 ? @optioncode == 14 : @rowcode == 15 ? @optioncode == 15 : @rowcode = [And 3320 other symbols \[4\]](#)
 E IsAnswered(s5q08c_unit) && (VAR5 == 1 || temp_or_perm == 1)
 W1 !(vuli_string_int.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114, 9981, 9982, 9983, 9991, 9992, 9993)) ? (vuli_harvest_s_per_hectare <= vuli_harvest_h [And 24 other symbols \[2\]](#)
 M1 The quantity of harvest reported in this plot seems too high. Please confirm.
 V2 vuli_harvests_kg!=0
 M2 Error!, The state/condition and the unit reported for %rostartertitle% crop do not match. Please select the appropriate unit and state/condition!

SINGLE-SELECT s5q8c_state

- 0012 Paddy husked (Mpunga)
- 0013 Sorghum grain
- 0014 Bulrush millet grain
- 0015 Finger millet grain
- 0016 Wheat grain
- 0017 Barley grain
- 0021 Cassava fresh
- 0022 Sweet potatoes, fresh
- 0023 Irish potatoes fresh
- 0024 Yams fresh
- 0025 Cocoyams fresh
- 0027 Ginger fresh
- 0028 Garlic fresh
- 0036 Bambaranuts fresh
- 0038 Malay apple fresh
- 0041 Sunflower dry

[And 106 other symbols \[8\]](#)

VARIABLE
 int.Parse(String.Concat(s5q8c_state, s5q08c_unit))

DOUBLE vuli_string_int

VARIABLE
 conv_factors[(int)vuli_string_int].conv_fact

DOUBLE lookup_value

VARIABLE (lookup_value>0 vuli_string_int.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114)) ? (s5q08c*conv_factors[(int)vuli_string_int].conv_fact) : 0	DOUBLE vuli_harvests_kg
VARIABLE vuli_harvests_kg*0.001	DOUBLE vuli_harvests_tonnes
VARIABLE vuli_harvests_tonnes/area_harvested_hectares	DOUBLE vuli_harvests_per_hectare
STATIC TEXT E IsAnswered(s5q8c_state) <i>Vuli harvests per hectare is : %vuli_harvests_per_hectare%</i>	
VARIABLE CropType[@rowcode].temp_harvests	DOUBLE vuli_harvest_hectare
STATIC TEXT E vuli_harvests_kg>0 <i>The quantity of %rosteritle% harvested in %s5q8c_state% condition/state from this plot is equivalent to : %vuli_harvests_kg% KG (or %vuli_harvests_tonnes% tonnes)</i>	
s5q08d - Beside the [%s5q08c%] [%s5q08c_unit%] of %rosteritle% %other_crop% you just reported, was there an additional quantity from this [%PLOTNAMEVULI%] during the past 2023/2024 VULI SEASON that you wish to express in a different unit or different state/condition? E s5q08c>0 && @rowcode.InList(11,26,31,32,33,34,35,37,44,47,52,54,56,71,73,78,90,101,214,312,906)	SINGLE-SELECT s5q08d 01 <input type="radio"/> Yes 00 <input type="radio"/> No
s5q08e - How much %rosteritle% %other_crop% would you like to express in a different unit or different state/condition? E s5q08d==1	NUMERIC: DECIMAL s5q08e -----

s5q08e_unit - Harvest unit

F @rowcode == 12 ? @optioncode.InList(1,2,3,80,91,92,93,111,112,113,114,115,116,117,119,121,122,123,190,200) : @rowcode == 13 ? @optioncode.InList(1,2,3,50,60,80,91,92,93,111,112,113,114,190,200,100,150 [And 5654 other symbols \[5\]](#)
 E s5q08e>0

SINGLE-SELECT s5q08e_unit

- 001 Kilogram
- 002 Gram
- 003 Tonne
- 004 Litre
- 011 Small Piece
- 012 Medium Piece
- 013 Large Piece
- 021 Small Heap
- 022 Medium Heap
- 023 Large Heap
- 030 Tenga/Susu) straw basket
- 041 Small bunch
- 042 Medium bunch (mkungu)
- 043 Large bunch (mkungu)
- 044 Splinter (kichane/chana)
- 050 Bowl (Bakuli)

[And 33 other symbols \[7\]](#)

s5q8e_state - Harvest state/condition

F @rowcode == 11 ? @optioncode.InList(111,112) : @rowcode == 12 ? @optioncode.InList(12,2004) : @rowcode == 13 ? @optioncode == 13 : @rowcode == 14 ? @optioncode == 14 : @rowcode == 15 ? @optioncode == 15 : @rowcode = [And 3320 other symbols \[6\]](#)
 E IsAnswered(s5q08e_unit) && (VAR5 == 1 || temp_or_perm == 1)
 W1 !(vuli_string_int_other.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114,9981,9982,9983,9991,9992,9993)) ? (vuli_harvests_per_hectare_other <= vu [And 36 other symbols \[3\]](#)
 M1 The quantity of harvest reported in this plot seems too high. Please confirm.
 V2 self!=s5q8c_state
 M2 Error! the harvested conditions/states are the same. Please review the state for this question or at s5q8c_state
 V3 s5q08e_vuli_harvests_kg!=0
 M3 Error!, The state/condition and the unit reported for %rostartitle% crop do not match. Please select the appropriate unit and state/condition!

SINGLE-SELECT s5q8e_state

- 0012 Paddy husked (Mpunga)
- 0013 Sorghum grain
- 0014 Bulrush millet grain
- 0015 Finger millet grain
- 0016 Wheat grain
- 0017 Barley grain
- 0021 Cassava fresh
- 0022 Sweet potatoes, fresh
- 0023 Irish potatoes fresh
- 0024 Yams fresh
- 0025 Cocoyams fresh
- 0027 Ginger fresh
- 0028 Garlic fresh
- 0036 Bambaranuts fresh
- 0038 Malay apple fresh
- 0041 Sunflower dry

[And 106 other symbols \[8\]](#)

VARIABLE
 int.Parse(String.Concat(s5q8e_state, s5q08e_unit))

DOUBLE vuli_string_int_other

VARIABLE
 conv_factors[(int)vuli_string_int_other].conv_fact

DOUBLE s5q08e_lookup_value

VARIABLE (s5q08e_lookup_value>0 vuli_string_int_other.InList(3323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114)) ? (s5q08e*conv_factors[(int)vuli_string_int_oth	DOUBLE	s5q08e_vuli_harvests_kg
VARIABLE s5q08e*conv_factors[(int)vuli_string_int_other].conv_factor	DOUBLE	vuli_harvests_kg_other
VARIABLE vuli_harvests_kg_other*0.001	DOUBLE	vuli_harvests_tonnes_other
VARIABLE vuli_harvests_tonnes_other/area_harvested_hectares	DOUBLE	vuli_harvests_per_hectare_other

STATIC TEXT
E IsAnswered(s5q8e_state)
Vuli harvests per hectare is : %vuli_harvests_per_hectare_other%

STATIC TEXT
E vuli_harvests_kg_other>0
The quantity of %rosteritle% harvested in %s5q8e state% condition/state from this plot is equivalent to : %vuli_harvests_kg_other% KG (or %vuli_harvests_tonnes_other% tonnes)

VARIABLE (vuli_harvests_tonnes??0) + (vuli_harvests_tonnes_other??0)	DOUBLE	harvest_states_sum
VARIABLE harvest_states_sum/area_harvested_hectares	DOUBLE	total_vuli_harvests_hectare

STATIC TEXT
E vuli_harvests_kg_other>0
The total quantity of %rosteritle% harvested per Hectare is: %total Vuli harvests hectare%

STATIC TEXT
E total_vuli_harvests_hectare > vuli_harvest_hectare
V1 total_vuli_harvests_hectare <= vuli_harvest_hectare
M1 Warning! harvest for %rosteritle% crop in vuli season seems too high. Please confirm!
Warning!

s5q11 - Was the %rosteritle% <u>%other_crop%</u> crop on this %PLOTNAMEVULI% plot cultivated in a compact or scattered planting?	SINGLE-SELECT	s5q11
E VAR5 == 2 temp_or_perm == 2	01 <input type="radio"/> COMPACT 02 <input type="radio"/> SCATTERED	

VARIABLE s5q12/vuli_calculated_hectares	DOUBLE	trees_per_hectares
VARIABLE s5q12/vuli_calculated_acres	DOUBLE	trees_per_acres
VARIABLE s5q12/vuli_calculated_sqmeters	DOUBLE	trees_per_sqmeter
VARIABLE (s4q03_unit==1 && (trees_per_hectares <= CropType[@rowcode].max_plants)) (s4q03_unit==2 && (trees_per_acres <= (CropType[@rowcode].max_plants)/2.471)) (s4q03_unit==3 && (trees_per_sqmeter <= (BOOLEAN	trees_per_unit

[And 38 other symbols \[2\]](#)

<p>s5q12 - How many %rosteritle% %other_crop% plants/trees were on this %PLOTNAMEVULI% plot during the past 2023/24 VULI SEASON?</p> <p>E (VAR5 == 2 temp_or_perm == 2) && !(@rowcode.InList(21,34,55,60,61,75,213,214,300,307,998))</p> <p>V1 self > 0 self == -99</p> <p>M1 Error! Number of plants must be higher than 0. Correct!</p> <p>W2 trees_per_unit==true</p> <p>M2 Warning. The number of trees per %s4q03_unit% is too high. please Confirm!</p>	<p>NUMERIC: INTEGER s5q12</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>-99 FARMER IS UNABLE TO QUALIFY</p>
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<p>s5q13 - How many %rosteritle% %other_crop% plants/trees were in the production age during the past 2023/24 VULI SEASON??</p> <p>I *PRODUCTION AGE IS THE AGE AT WHICH THE TREE OR PLANT IS READY TO PRODUCE THE PRODUCT OF INTEREST</p> <p>E (VAR5 == 2 temp_or_perm == 2) && s5q12>0</p> <p>V1 (self <= s5q12) s5q12 == -99</p> <p>M1 Number in production age cannot exceed total number of plant / trees</p> <p>V2 self >= 0 self == -99</p> <p>M2 Please enter a positive number</p>	<p>NUMERIC: INTEGER s5q13</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>-99 FARMER IS UNABLE TO QUALIFY</p>
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<p>s5q14 - Have you planted any %rosteritle% %other_crop% during the past 2023/24 VULI SEASON?</p> <p>E VAR5 == 2 temp_or_perm == 2</p>	<p>SINGLE-SELECT s5q14</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
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<p>s5q14a - What was the total quantity of %rosteritle% %other_crop% seeds, seedling or cuttings planted during the past VULI SEASON on this %PLOTNAMEVULI% plot?</p> <p>E s5q14==1 && VAR5 == 2</p>	<p>NUMERIC: INTEGER s5q14a</p> <p>-----</p>
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<p>s5q14b - UNIT</p> <p>F (@optioncode==3 && @rowcode.InList(21,22,24,78,212,902,19,60)) (@optioncode.InList(1,3) && @rowcode.InList(26, 28, 213, 214, 89, 90, 91, 97, 901, 921, 903, 904, 905, 93, 94, 96, 100, 102, 61, 95, And 516 other symbols [7])</p> <p>E IsAnswered(s5q14a)</p>	<p>SINGLE-SELECT s5q14b_unit</p> <p>01 <input type="radio"/> KILOGRAM</p> <p>02 <input type="radio"/> SEEDLINGS</p> <p>03 <input type="radio"/> CUTTINGS</p> <p>04 <input type="radio"/> GRAM</p>
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<p>End Time for Section 5</p> <p>E IsAnswered(InterviewStart_Sec5)</p> <p>V1 self > InterviewStart_Sec5</p> <p>M1 Error. The end time must always be ahead of start time. Correct</p>	<p>DATE: CURRENT TIME InterviewEnd_Sec5</p> <p>-----</p>
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<p>VARIABLE</p> <p>(float)InterviewEnd_Sec5.value.Subtract(InterviewStart_Sec5.value).TotalMinutes</p>	<p>DOUBLE duration_section5</p>
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SECTION 6. MASIKA AND DRY SEASON PLOT ROSTER

sec6

E VAR3_ALLFIELDS == true || FIELD.Any(x=>(x.s3q05b.Contains(6) || (x.s3q05b.Contains(0) && x.s3q05a.Contains(6))))

Start Time for Section 6	DATE: CURRENT TIME	InterviewStart_Sec6
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SECTION 6. MASIKA AND DRY SEASON PLOT ROSTER
Roster: FIELD ROSTER - %ROSTERTITLE%
 generated by list question [s3q01](#)

FIELD4

E VAR3 == true || s3q05b.Contains(6) || (s3q05b.Contains(0) && s3q05a.Contains(6))

STATIC TEXT

*I am about to ask you questions about the plots in **%rosteritle%** field in the past 2023/2024 MASIKA SEASON and DRY SEASON. These questions will therefore cover the period between March 2024 and September 2024. Please list all plots cultivated with crops, used as kitchen gardens/backyards or left fallow during the past 2023/2024 MASIKA SEASON and DRY SEASON. A PLOT IS DEFINED AS A CONTINUOUS PIECE OF LAND ON WHICH A SPECIFIC CROP OR A MIXTURE OF CROPS IS GROWN OR WHICH IS FALLOW OR WAITING TO BE PLANTED.*

s6q01 - Plot Name	LIST	s6q01
V1 self.Select(x=>x.Item2.ToUpper()).Distinct().Count()==self.Count()	
M1 Please ensure plot names are unique		
W2 plots_number_masika==true		
M2 Warning! The number of plots per field seems high for %SCREENING%. Please confirm!		
VARIABLE (s6q01.Length<3 && SCREENING==1) (s6q01.Length<6 && SCREENING==2)	BOOLEAN	plots_number_masika
VARIABLE MASIKAPLOT.Sum(x=>x.s6q03_Hectares)	DOUBLE	s6q03_Hectares_Sum
VARIABLE MASIKAPLOT.Sum(x=>x.s6q03_Acres)	DOUBLE	s6q03_Acres_Sum
VARIABLE MASIKAPLOT.Sum(x=>x.s6q03_SqMeters)	DOUBLE	s6q03_SqMeters_Sum

STATIC TEXT

E s6q03_Hectares_Sum > s3q04a_Hectares
 V1 s6q03_Hectares_Sum <= s3q04a_Hectares
 M1 The sum of plot areas on <u>%rosteritle%</u> field is <u>%s6q03_Acres_Sum%</u>. The sum cannot exceed the area of the field, which is <u>%s3q04a_Acres%</u> acres.

Error message!

STATIC TEXT

E s3q05b_1_Hectares>0 && (s6q03_Hectares_Sum > s3q05b_1_Hectares)
 V1 s6q03_Hectares_Sum <= s3q05b_1_Hectares
 M1 The sum of plot areas on <u>%rosteritle%</u> field is <u>%s6q03_Acres_Sum%</u>. The sum cannot exceed area of the field allocated for [crop cultivation/Garden], which is <u>%s3q05b_1_Acres%</u> acres.

Warning!

VARIABLE MASIKAPLOT.Any(x=>x.plot_uses_masika==true)	BOOLEAN	any_uses_masika
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Roster: MASIKA/DRY SEASON PLOT ROSTER- %ROSTERTITLE%

generated by list question s6q01

MASIKA PLOT

<p>s6q02 - During the past 2023/2024 MASIKA SEASON and DRY SEASON, how was this <u>%rosteritle%</u> plot used?</p> <p>I READ ANSWERS</p> <p>F SCREENING==2 && @optioncode.InList(2,3) SCREENING==1 && @optioncode.InList(1,2,3)</p> <p>V1 self==1 && (s3q05b.Contains(2) s3q05b.Contains(0) && s3q05a.Contains(2)) self.InList(2,3)</p> <p>M1 Kitchen garden has not been indicated on this field at s3q05b</p> <p>V2 self==2 && (s3q05b.Contains(3) s3q05b.Contains(0) && s3q05a.Contains(3)) self.InList(1,3)</p> <p>M2 Crop Cultivation has not been indicated on this field at s3q05b</p> <p>V3 self==3 && (s3q05b.Contains(6) s3q05b.Contains(0) && s3q05a.Contains(6)) self.InList(1,2)</p> <p>M3 Temporary Fallow has not been indicated on this field at s3q05b</p>	<p>SINGLE-SELECT s6q02</p> <p>01 <input type="radio"/> A KITCHEN GARDEN/BACKYARD</p> <p>02 <input type="radio"/> CULTIVATED WITH CROPS</p> <p>03 <input type="radio"/> TEMPORARILY LEFT FALLOW</p>
<p>VARIABLE</p> <p>s6q02.InList(1,2)</p>	<p>BOOLEAN plot_uses_masika</p>
<p>s6q03 - What was the area of this <u>%rosteritle%</u> plot during the past 2023/2024 MASIKA SEASON and DRY SEASON?</p> <p>I FARMER DECLARES PLOT AREA (NO MEASUREMENT)</p> <p>V1 self>0</p> <p>M1 Area must be greater than 0</p>	<p>NUMERIC: DECIMAL s6q03</p> <p>-----</p>
<p>s6q03_unit</p> <p>F (SCREENING==1 && @optioncode.InList(2,3)) (SCREENING==2 && @optioncode.InList(1,2,3))</p> <p>E s6q03>0</p> <p>V1 ((s6q03_Acres < s3q04a_Acres) && s6q01.Length>1) s6q01.Length==1</p> <p>M1 The area of this plot <u>(%s6q03_Acres% acres)</u> must be less than the area of the field %FIELD4% field <u>(%s6q03_Acres% acres)</u>, if at all there are more than one plot!</p> <p>V2 (s3q05b.Length==1 && s6q01.Length==1 && s3q04a_Acres==s6q03_Acres) s3q05b.Length!=1 s6q01.Length!=1</p> <p>M2 The plot area is expected to match the field area (%s3q04a% %s3q04a_unit%) because the field has a single use and contains only one plot. Check that all relevant field uses have been selected.</p>	<p>SINGLE-SELECT s6q03_unit</p> <p>02 <input type="radio"/> Acres</p> <p>01 <input type="radio"/> Hectare</p> <p>03 <input type="radio"/> Square Meters</p>
<p>VARIABLE</p> <p>s6q03_unit == 1 ? s6q03 : s6q03_unit == 2 ? s6q03 / 2.4710538147 : s6q03_unit == 3 ? s6q03 / 10000 : 0</p>	<p>DOUBLE s6q03_Hectares</p>
<p>VARIABLE</p> <p>s6q03_unit == 1 ? s6q03 * 2.4710538147 : s6q03_unit == 2 ? s6q03 : s6q03_unit == 3 ? s6q03 * 0.00024710538147 : 0</p>	<p>DOUBLE s6q03_Acres</p>
<p>VARIABLE</p> <p>s6q03_unit == 1 ? s6q03 * 10000 : s6q03_unit == 2 ? s6q03 * 4046.86 : s6q03_unit == 3 ? s6q03 : 0</p>	<p>DOUBLE s6q03_SqMeters</p>
<p>s6q04 - Was this <u>%rosteritle%</u> plot in pure stand or mixed during the past 2023/24 MASIKA SEASON and DRY SEASON?</p> <p>E s6q02.InList(1,2)</p>	<p>SINGLE-SELECT s6q04</p> <p>01 <input type="radio"/> PURE STAND</p> <p>02 <input type="radio"/> MIXED</p> <p>03 <input type="radio"/> INTERCROPPED</p>

<p>s6q05a - Was there any irrigation infrastructure on this <u>%rosteritle%</u> during the past 2023/24 MASIKA SEASON and DRY SEASON?</p> <p>I INSTRUCTION: INCLUDES FULLY CONTROLLED IRRIGATION AND PARTIALLY CONTROLLED IRRIGATION. E s6q02.InList(1,2)</p>	<p>SINGLE-SELECT s6q05a</p> <p>01 <input type="radio"/> Yes 00 <input type="radio"/> No</p>
<p>s6q05b - Approximately what percentage or proportion of <u>%rosteritle%</u> was irrigated during the past 2023/24 MASIKA SEASON and DRY SEASON?</p> <p>I *% E s6q05a==1 V1 self.InRange(1,100) M1 Value must be between 1 and 100.</p>	<p>NUMERIC: INTEGER s6q05b</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All - 100% 075 Three-quarters - 75% 050 Half - 50% 025 One quarter - 25% 000 zero - 0%</p>
<p>s6q06 - What was the main method of irrigating plants/pouring water on the plants on this <u>%rosteritle%</u> plot during the past 2023/24 MASIKA SEASON and DRY SEASON?</p> <p>E s6q05b>0</p>	<p>SINGLE-SELECT s6q06</p> <p>01 <input type="radio"/> MANUAL IRRIGATION 02 <input type="radio"/> SPRINKLER IRRIGATION 03 <input type="radio"/> DRIP IRRIGATION 04 <input type="radio"/> FLOODING/SURFACE/FURROW W 05 <input type="radio"/> PIVOT IRRIGATION 06 <input type="radio"/> TERRACED IRRIGATION 99 <input type="radio"/> OTHER(Specify)</p>
<p>s6q06_other - Specify</p> <p>E s6q06==99</p>	<p>TEXT s6q06_other</p> <p>-----</p>
<p>s6q07 - Did you apply any organic fertilizer on this <u>%rosteritle%</u> plot during the past 2023/24 MASIKA SEASON and DRY SEASON?</p> <p>E s6q02.InList(1,2)</p>	<p>SINGLE-SELECT s6q07</p> <p>01 <input type="radio"/> Yes 00 <input type="radio"/> No</p>
<p>s6q08 - Which organic fertilizers were applied on this <u>%rosteritle%</u> plot during the past 2023/24 MASIKA SEASON and DRY SEASON?</p> <p>I SELECT ALL THAT APPLY E s6q07==1</p>	<p>MULTI-SELECT s6q08</p> <p>01 <input type="checkbox"/> SOLID MANURE/FARM YARD MANURE 02 <input type="checkbox"/> LIQUID MANURE/SLURRY 03 <input type="checkbox"/> GREEN MANURE (CROP RESIDUES) 04 <input type="checkbox"/> COMPOST 05 <input type="checkbox"/> STABILISED SEWAGE SLUDGE E 06 <input type="checkbox"/> BIOFERTILIZERS 07 <input type="checkbox"/> FOLIAH FERTILIZER(BUSTER) 99 <input type="checkbox"/> OTHER (SPECIFY)</p>

<p>s6q08_other - Specify</p> <p>E s6q08.Contains(99)</p>	<p>TEXT s6q08_other</p> <p>.....</p>
<p>s6q09 - Did you apply any inorganic fertilizer on this <u>%rosteritle%</u> plot during the past 2023/24 MASIKA SEASON and DRY SEASON?</p> <p>E s6q02.InList(1,2)</p>	<p>SINGLE-SELECT s6q09</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>s6q10 - Which inorganic (chemical) fertilizers were applied on this <u>%rosteritle%</u> plot during the past 2023/24 MASIKA SEASON and DRY SEASON?</p> <p>I SELECT ALL THAT APPLY</p> <p>E s6q09==1</p>	<p>MULTI-SELECT s6q10</p> <p>008 <input type="checkbox"/> UREA</p> <p>009 <input type="checkbox"/> DIAMMONIUM PHOSPHATE (DAP)</p> <p>010 <input type="checkbox"/> CALCIUM AMMONIUM NITRATE (CAN)</p> <p>011 <input type="checkbox"/> AMMONIUM SULPHATE (SA)</p> <p>012 <input type="checkbox"/> NITROGEN, PHOSPHORUS, POTASSIUM (NPKs)</p> <p>013 <input type="checkbox"/> MINJINGU NAFKA PLUS</p> <p>014 <input type="checkbox"/> NPS ZINC</p> <p>115 <input type="checkbox"/> FOMI</p> <p>116 <input type="checkbox"/> KENOPLUS</p> <p>117 <input type="checkbox"/> PANDAPLUS</p> <p>118 <input type="checkbox"/> MACROP</p> <p>119 <input type="checkbox"/> AMIDAS</p> <p>120 <input type="checkbox"/> Triple Super Phosphate (TSP)</p> <p>121 <input type="checkbox"/> Muriate of Potash (MOP)</p> <p>099 <input type="checkbox"/> OTHER(SPECIFY)</p>
<p>s6q10_other - Specify</p> <p>E s6q10.Contains(99)</p>	<p>TEXT s6q10_other</p> <p>.....</p>
<p>s6q10a - Approximately what percentage or proportion of <u>%rosteritle%</u> plot was applied with inorganic (chemical) fertilizer for the past 2023/24 MASIKA SEASON?</p> <p>E s6q09==1</p> <p>V1 self.InRange(1,100)</p> <p>M1 Error!. The percentage is out of range. Please correct!</p>	<p>NUMERIC: INTEGER s6q10a</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All - 100%</p> <p>075 Three-quarters - 75%</p> <p>050 Half - 50%</p> <p>025 One quarter - 25%</p>
<p>s6q11 - Did you apply any pesticide on this <u>%rosteritle%</u> during the past 2023/24 MASIKA SEASON and DRY SEASON?</p> <p>E s6q02.InList(1,2)</p>	<p>SINGLE-SELECT s6q11</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

s6q12 - Which pesticides were applied on this %rosteritle% plot during the past 2023/24 MAS IKA SEASON and DRY SEASON?

I SELECT ALL THAT APPLY
E s6q11==1

- MULTI-SELECT s6q12
- 16 INSECTICIDES
 - 17 HERBICIDE (SOLID)
 - 18 HERBICIDE (LIQUID)
 - 19 FUNGICIDE
 - 20 RODENTICIDE
 - 21 OTHER (SPECIFY)

s6q12_other - Specify

E s6q12.Contains(21)

TEXT s6q12_other

.....

End Time for Section 6

E IsAnswered(InterviewStart_Sec6)
V1 self > InterviewStart_Sec6
M1 Error. The end time must always be ahead of start time. Correct

DATE: CURRENT TIME InterviewEnd_Sec6

.....

VARIABLE
(float)InterviewEnd_Sec6.Value.Subtract(InterviewStart_Sec6.Value).TotalMinutes

DOUBLE duration_section6

SECTION 7: MASIKA AND DRY SEASON CROP ROSTER

Sec7

E VAR3_ALLFIELDS == true && FIELD4.Any(x=>x.any_uses_masika==true)

Start Time for Section 7	DATE: CURRENT TIME	InterviewStart_Sec7
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SECTION 7: MASIKA AND DRY SEASON CROP ROSTER
Roster: FIELD ROSTER - %ROSTERTITLE%
 generated by list question [s3q01](#)

FIELD5

E VAR3 == true

SECTION 7: MASIKA AND DRY SEASON CROP ROSTER / FIELD ROSTER - %ROSTERTITLE%
Roster: MASIKA/DRY SEASON PLOTS - %ROSTERTITLE%
 generated by list question [s6q01](#)

MASIKAPLOT1

E s6q02.InList(1,2)

STATIC TEXT

*I am about to ask you about the crops on **%MASIKAPLOT1%** plot of **%FIELD5%** field.*

s7q01 - List all the temporary and permanent crops, including fruit trees on **%rostertitle%** plot in the past 2023/24 MASIKA SEASON and DRY SEASON.

MULTI-SELECT s7q01

- 011 Maize
- 012 Paddy
- 013 Sorghum
- 014 Bulrush Millet
- 015 Finger Millet
- 016 Wheat
- 017 Barley
- 021 Cassava
- 022 Sweet potatoes
- 023 Irish potatoes
- 024 Yams
- 025 Cocoyams
- 026 Onion
- 027 Ginger
- 028 Garlic
- 031 Beans

[And 76 other symbols \[5\]](#)

- I FOR EACH PLOT, RECORD CROPS ON SEPARATE ROWS.
- V1 (s6q04 == 1 && self.Length==1) || s6q04.InList(2,3)
- M1 This plot was indicated 'pure stand' at s6q04 so should only have one crop type growing.
- V2 (s6q04.InList(2,3) && self.Length>1) || s6q04 == 1
- M2 This plot was indicated 'mixed-cropping' at s6q04 so should only have more than one crop type growing.

s7q01_other - Specify

TEXT s7q01_other

E s7q01.Contains(998)

VARIABLE
s6q01[@rowcode-1].Item2

STRING PLOTNAMEMASIKA

VARIABLE
MASIKACROP.Sum(x=>x.s7q02)

LONG s7q02_sum

VARIABLE (s6q04==2 && s7q02_sum<=100) (s6q04==3 && s7q02_sum>0)	BOOLEAN	mixed_threshold_masika
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SECTION 7: MASIKA AND DRY SEASON CROP ROSTER / FIELD ROSTER - %ROSTERTITLE% / MASIKA/DRY SEASON PLOTS - %ROSTERTITLE%

Roster: MASIKA/DRY SEASON CROP ROSTER - %ROSTERTITLE%

generated by multi-select question s7q01

MASIKACROP

VARIABLE @rowcode	LONG	CropCode_Masika
VARIABLE CropType[@rowcode].tempperm	DOUBLE	VAR5_3
VARIABLE VAR5_3 == 1 ? "Temporary" : VAR5_3 == 2 ? "Permanent" : " "	STRING	VAR5_3_String
VARIABLE @rowcode == 998 ? s7q01_other : " "	STRING	other_crop_masika
Is <u>%rosteritle% %other_crop_masika%</u> a temporary or permanent crop? E @rowcode==998	SINGLE-SELECT 01 <input type="radio"/> Temporary crop 02 <input type="radio"/> Permanent crop	temp_or_perm_masika
s7q02 - During the past 2023/2024 MASIKA SEASON and DRY SEASON, approximately what percent of the <u>%PLOTNAMEMASIKA%</u> plot was planted with <u>%rosteritle% %other_crop_masika%</u> ? E s6q04.InList(2,3) V1 //s7q02_sum <= 100 mixed_threshold_masika==true M1 Error. the percentages can not exceed 100 in mixed mode. Please correct! V2 self>0 M2 Error! Percentage can not be a negative. Correct! V3 (self<100 && s6q04==2) (self<=100 && s6q04==3) M3 Error! Percentage must be less than 100 in mixed mode . Please Correct!	NUMERIC: INTEGER ----- SPECIAL VALUES 75 Three-quarters - 75% 50 Half - 50% 25 One quarter - 25%	s7q02
VARIABLE s6q04.InList(2,3) ? s7q02*0.01*s6q03_Hectares : s6q04==1 ? s6q03_Hectares : 0	DOUBLE	masika_calculated_hectares
VARIABLE s6q04.InList(2,3) ? s7q02*0.01*s6q03_Acres : s6q04==1 ? s6q03_Acres : 0	DOUBLE	masika_calculated_acres
VARIABLE s6q04.InList(2,3) ? s7q02*0.01*s6q03_SqMeters : s6q04==1 ? s6q03_SqMeters : 0	DOUBLE	masika_calculated_sqmeters

STATIC TEXT

E s6q04.InList(2,3) && s6q03_unit==1 && IsAnswered(s7q02)

The area of %MASIKAPLOT1% plot planted with %rosteritle% %other_crop_masika% is %masika_calculated hectares% hectares.

STATIC TEXT

E s6q04.InList(2,3) && s6q03_unit==2 && IsAnswered(s7q02)

The area of %MASIKAPLOT1% plot planted with %rosteritle% %other_crop_masika% is %masika_calculated acres% acres.

STATIC TEXT

E s6q04.InList(2,3) && s6q03_unit==3 && IsAnswered(s7q02)

The area of %MASIKAPLOT1% plot planted with %rosteritle% %other_crop_masika% is %masika_calculated_sqmeters% squared metres.

<p>s7q02a - Was this %rosteritle% %other_crop_masika% under a greenhouse or a high shelter during the past 2023/24 MASIKA SEASON and DRY SEASON?</p>	<p>SINGLE-SELECT s7q02a</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>s7q03 - When was %rosteritle% %other_crop_masika% planted on %PLOTNAMEMASIKA% during the past 2023/24 MASIKA SEASON and DRY SEASON?</p> <p>E VAR5_3 == 1 temp_or_perm_masika == 1</p>	<p>SINGLE-SELECT s7q03</p> <p>11 <input type="radio"/> NOVEMBER 2023</p> <p>12 <input type="radio"/> DECEMBER 2023</p> <p>01 <input type="radio"/> JANUARY 2024</p> <p>02 <input type="radio"/> FEBRUARY 2024</p> <p>03 <input type="radio"/> MARCH 2024</p> <p>04 <input type="radio"/> APRIL 2024</p> <p>05 <input type="radio"/> MAY 2024</p> <p>06 <input type="radio"/> JUNE 2024</p> <p>07 <input type="radio"/> JULY 2024</p> <p>08 <input type="radio"/> AUGUST 2024</p> <p>09 <input type="radio"/> SEPTEMBER 2024</p>
<p>VARIABLE</p> <p>s7q03.InList(11,12) ? 2023 : 2024</p>	<p>LONG yearplanted_masika</p>
<p>VARIABLE</p> <p>new DateTime((int)yearplanted_masika, (int)s7q03, 1)</p>	<p>DATETIME dateplanted_masika</p>
<p>s7q04 - Which %rosteritle% %other_crop_masika% seeds did you use during the past 2023/24 MASIKA SEASON and DRY SEASON?</p> <p>I SELECT ALL THAT APPLY IF RESPONDENT DOES NOT KNOW, ASK TO SEE PACKAGING</p> <p>E VAR5_3 == 1 temp_or_perm_masika == 1</p>	<p>MULTI-SELECT s7q04</p> <p>01 <input type="checkbox"/> IMPROVED</p> <p>02 <input type="checkbox"/> TRADITIONAL</p> <p>03 <input type="checkbox"/> IMPROVED, RECYCLED</p>
<p>s7q04a - What was the total quantity of %rosteritle% %other_crop_masika% seeds planted during the past VULI SEASON on this %PLOTNAMEMASIKA% plot?</p> <p>E IsAnswered(s7q04)</p> <p>V1 self>0</p> <p>M1 The amount must be higher than 0, confirm!</p>	<p>NUMERIC: DECIMAL s7q04a</p> <p>-----</p>
<p>s7q04a_Unit - Unit</p> <p>F (@optioncode==3 && @rowcode.InList(21,22,24,78,212,902,60)) (@optioncode==4 && @rowcode.InList(26, 28, 213, 214, 89, 90, 91, 901, 921, 904, 905, 93, 94, 96, 100, 102, 61)) (@optioncode==1 && @And 576 other symbols [8])</p> <p>E s7q04a>0</p>	<p>SINGLE-SELECT s7q04a_Unit</p> <p>01 <input type="radio"/> KILOGRAM</p> <p>02 <input type="radio"/> SEEDLINGS</p> <p>03 <input type="radio"/> CUTTINGS</p> <p>04 <input type="radio"/> GRAM</p>
<p>s7q04b - How much seeds (in %s7q04a_Unit%) would you have used if you had planted %rosteritle% %other_crop_masika% on this %PLOTNAMEMASIKA% in pure mode?</p> <p>E IsAnswered(s7q04) && s6q04.InList(2,3)</p> <p>W1 self>=s7q04a</p> <p>M1 The amount of seeds used in pure mode is lower or equal than the amount used in mixed mode. Please confirm.</p>	<p>NUMERIC: DECIMAL s7q04b</p> <p>-----</p>

<p>s7q05 - Did you harvest any of the <u>%rosteritle% %other_crop_masika%</u> on this <u>%PLOTNAME MASIKA%</u> during the past 2023/2024 MASIKA SEASON and DRY SEASON?</p> <p>E VAR5_3 == 1 temp_or_perm_masika == 1</p>	<p>SINGLE-SELECT s7q05</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>s7q06 - Why did not you harvest <u>%rosteritle% %other_crop_masika%</u> from <u>%PLOTNAME MASIKA%</u> during the past 2023/2024 MASIKA SEASON and DRY SEASON?</p> <p>I SELECT ALL THAT APPLY</p> <p>E s7q05==0</p>	<p>MULTI-SELECT s7q06</p> <p>01 <input type="checkbox"/> TOO LITTLE RAIN/DROUGHT</p> <p>02 <input type="checkbox"/> RAIN/FLOOD DAMAGE</p> <p>03 <input type="checkbox"/> RAIN CAME TOO EARLY OR TOO LATE</p> <p>04 <input type="checkbox"/> WIND/FROST DAMAGE</p> <p>05 <input type="checkbox"/> PLANT PEST/DISEASE</p> <p>06 <input type="checkbox"/> FIRE DAMAGE</p> <p>07 <input type="checkbox"/> CROP THEFT</p> <p>08 <input type="checkbox"/> NO AVAILABLE LABOR</p> <p>10 <input type="checkbox"/> ANIMAL/BIRDS DAMAGE</p> <p>09 <input type="checkbox"/> CROP NOT MATURED</p> <p>11 <input type="checkbox"/> CROP MATURED BUT STILL IN THE FARM</p> <p>99 <input type="checkbox"/> OTHER (SPECIFY)</p>
<p>s7q06_other - Specify</p> <p>E s7q06.Contains(99)</p>	<p>TEXT s7q06_other</p> <p>.....</p>
<p>s7q07 - When did you start harvesting <u>%rosteritle% %other_crop_masika%</u> from this <u>%PLOTNAME MASIKA%</u> during the past 2023/2024 MASIKA SEASON and DRY SEASON?</p> <p>I * For continuous harvest, indicate the date when the harvest first began.</p> <p>E s7q05==1 && IsAnswered(s7q03)</p> <p>V1 dateharvested_masika >= dateplanted_masika</p> <p>M1 The harvest date must be after the planting date.</p> <p>W2 dateharvested_masika != dateplanted_masika</p> <p>M2 Please confirm that the harvest occurred on the same month as the planting (short cycle crop).</p>	<p>SINGLE-SELECT s7q07</p> <p>01 <input type="radio"/> JANUARY 2024</p> <p>02 <input type="radio"/> FEBRUARY 2024</p> <p>03 <input type="radio"/> MARCH 2024</p> <p>04 <input type="radio"/> APRIL 2024</p> <p>05 <input type="radio"/> MAY 2024</p> <p>06 <input type="radio"/> JUNE 2024</p> <p>07 <input type="radio"/> JULY 2024</p> <p>08 <input type="radio"/> AUGUST 2024</p> <p>09 <input type="radio"/> SEPTEMBER 2024</p> <p>10 <input type="radio"/> OCTOBER 2024</p> <p>11 <input type="radio"/> NOVEMBER 2024</p> <p>12 <input type="radio"/> DECEMBER 2024</p>
<p>VARIABLE</p> <p>IsAnswered(s7q07) ? 2024 : 2023</p>	<p>LONG yearharvested_masika</p>
<p>VARIABLE</p> <p>new DateTime((int)yearharvested_masika, (int)s7q07, 1)</p>	<p>DATETIME dateharvested_masika</p>

<p>s7q09 - During the past 2023/24 MASIKA SEASON and DRY SEASON, approximately what percentage of <u>%PLOTNAMEMASIKA%</u> plot planted with <u>%rostartertitle% %other_crop_masika%</u> was harvested?</p> <p>E (VAR5_3 == 1 temp_or_perm_masika == 1) && s7q05==1 V1 self.InRange(1,100) M1 Percentage specified is out of range</p>	<p>NUMERIC: INTEGER s7q09</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All - 100% 075 Three-quarters - 75% 050 Half - 50% 025 One quarter - 25%</p>
<p>VARIABLE masika_calculated_hectares*0.01*s7q09</p>	<p>DOUBLE area_harvested_hectares_M</p>
<p>VARIABLE masika_calculated_acres*0.01*s7q09</p>	<p>DOUBLE area_harvested_acres_M</p>
<p>VARIABLE masika_calculated_sqmeters*0.01*s7q09</p>	<p>DOUBLE area_harvested_sqmeters_M</p>
<p>STATIC TEXT</p> <p>E s6q03_unit==1 && IsAnswered(s7q09)</p> <p><i>The area of <u>%PLOTNAMEMASIKA%</u> plot harvested with <u>%rostartertitle% %other_crop_masika%</u> is <u>%area_harvested_hectares_M%</u> hectares (out of <u>%masika_calculated_hectares%</u> hectares of the area planted).</i></p>	
<p>STATIC TEXT</p> <p>E s6q03_unit==2 && IsAnswered(s7q09)</p> <p><i>The area of <u>%PLOTNAMEMASIKA%</u> plot harvested with <u>%rostartertitle% %other_crop_masika%</u> is <u>%area_harvested_acres_M%</u> acres (out of <u>%masika_calculated_acres%</u> acres of the area planted).</i></p>	
<p>STATIC TEXT</p> <p>E s6q03_unit==3 && IsAnswered(s7q09)</p> <p><i>The area of <u>%PLOTNAMEMASIKA%</u> plot harvested with <u>%rostartertitle% %other_crop_masika%</u> is <u>%area_harvested_sqmeters_M%</u> square meters (out of <u>%masika_calculated_sqmeters%</u> square meters of the area planted).</i></p>	
<p>s7q10 - Why not harvesting all the area planted with <u>%rostartertitle% %other_crop_masika%</u> crop on this <u>%PLOTNAMEMASIKA%</u> plot?</p> <p>I SELECT THE MAIN TWO REASONS. E s7q09<100</p>	<p>MULTI-SELECT s7q10</p> <p>01 <input type="checkbox"/> TOO LITTLE RAIN/DROUGHT 02 <input type="checkbox"/> RAIN/FLOOD DAMAGE 03 <input type="checkbox"/> RAIN CAME TOO EARLY OR TOO LATE 04 <input type="checkbox"/> WIND/FROST DAMAGE 05 <input type="checkbox"/> PLANT PEST/DISEASE 06 <input type="checkbox"/> FIRE DAMAGE 07 <input type="checkbox"/> CROP THEFT 08 <input type="checkbox"/> NO AVAILABLE LABOR 09 <input type="checkbox"/> CONTINUOUS HARVEST 10 <input type="checkbox"/> ANIMAL/BIRDS DAMAGE 99 <input type="checkbox"/> OTHER (SPECIFY)</p>
<p>s7q10_other - Specify</p> <p>E s7q10.Contains(99)</p>	<p>TEXT s7q10_other</p> <p>-----</p>

s7q08c - How much %rostartitle% %other_crop_masika% did you harvest from %PLOTNAMEM ASIKA% plot during the past 2023/2024 MASIKA AND DRY SEASON?

NUMERIC: DECIMAL

s7q08c

- E s7q05==1
- V1 se1f > 0
- M1 Harvested amount must be greater than 0

s7q08c_unit - Harvest unit

SINGLE-SELECT

s7q08c_unit

- F @rowcode == 12 ? @optioncode.InList(1,2,3,80,91,92,93,111,112,113,114,115,116,117,119,121,122,123,190,200) : @rowcode == 13 ? @optioncode.InList(1,2,3,50,60,80,91,92,93,111,112,113,114,190,200,100,150 And 5654 other symbols [9]
- E s7q08c>0

- 001 Kilogram
- 002 Gram
- 003 Tonne
- 004 Litre
- 011 Small Piece
- 012 Medium Piece
- 013 Large Piece
- 021 Small Heap
- 022 Medium Heap
- 023 Large Heap
- 030 Tenga/Susu) straw basket
- 041 Small bunch
- 042 Medium bunch (mkungu)
- 043 Large bunch (mkungu)
- 044 Splinter (kichane/chana)
- 050 Bowl (Bakuli)

[And 33 other symbols \[7\]](#)

s7q8c_state - Harvest state/condition

SINGLE-SELECT

s7q8c_state

- F @rowcode ==11 ? @optioncode.InList(111,112) : @rowcode ==12 ? @optioncode.InList(12,2004) : @rowcode ==13 ? @optioncode==13 : @rowcode ==14 ? @optioncode==14 : @rowcode ==15 ? @optioncode==15 : @rowcode = [And 3320 other symbols \[10\]](#)
- E IsAnswered(s7q08c_unit) && (VAR5_3 == 1 || temp_or_perm_masika == 1)
- W1 !(masika_string_int.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114,9981,9982,9983,9991,9992,9993)) ? (masika_harvests_per_hectare <= masika_har [And 30 other symbols \[4\]](#))
- M1 The quantity of harvest reported in this plot seems too high. Please confirm.
- V2 s7q08c_vuli_harvests_kg!=0
- M2 Error!, The state/condition and the unit reported for %rostartitle% crop do not match. Please select the appropriate unit and state/condition!

- 0012 Paddy husked (Mpunga)
- 0013 Sorghum grain
- 0014 Bulrush millet grain
- 0015 Finger millet grain
- 0016 Wheat grain
- 0017 Barley grain
- 0021 Cassava fresh
- 0022 Sweet potatoes, fresh
- 0023 Irish potatoes fresh
- 0024 Yams fresh
- 0025 Cocoyams fresh
- 0027 Ginger fresh
- 0028 Garlic fresh
- 0036 Bambaranuts fresh
- 0038 Malay apple fresh
- 0041 Sunflower dry

[And 106 other symbols \[8\]](#)

VARIABLE int.Parse(String.Concat(s7q8c_state, s7q08c_unit))	DOUBLE	masika_string_int
VARIABLE conv_factors[(int)masika_string_int].conv_fact	DOUBLE	s7q08c_lookup_value
VARIABLE (s7q08c_lookup_value>0 masika_string_int.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 33114, 35380, 35393, 353113, 353114)) ? (s7q08c*conv_factors[(int)masika_string_int].conv	DOUBLE	s7q08c_vuli_harvests_kg
And 10 other symbols [3]		
VARIABLE s7q08c*conv_factors[(int)masika_string_int].conv_fact	DOUBLE	masika_harvests_kg
VARIABLE masika_harvests_kg*0.001	DOUBLE	masika_harvests_tonnes
VARIABLE masika_harvests_tonnes/area_harvested_hectares_M	DOUBLE	masika_harvests_per_hectare

STATIC TEXT

E IsAnswered(s7q8c_state)

Masika harvests per hectare is : %masika_harvests_per_hectare%

VARIABLE CropType[@rowcode].temp_harvests	DOUBLE	masika_harvest_hectare
----------------------------------------------	--------	------------------------

STATIC TEXT

E masika_harvests_kg>0

The quantity of %rostartitle% %other_crop_masika% harvested in %s7q8c_state% condition/state from this plot is equivalent to : %masika_harvests_kg% KG (or %masika_harvests_tonnes% tonnes)

s7q08d - Beside the [%s7q08c%] [%s7q08c_unit %] of %rostartitle% %other_crop_masika% you just reported, was there an additional quantity from this [%PLOTNAMEMASIKA%] during the past 2023/2024 VULI SEASON that you wish to express in a different unit or different state/condition?	SINGLE-SELECT	s7q08d
	01 <input type="radio"/> Yes	
	00 <input type="radio"/> No	
E s7q08c>0 && @rowcode.InList(11,26,31,32,33,34,35,37,44,47,52,54,56,71,73,78,90,101,214,312,906)		

s7q08e - How much %rostartitle% %other_crop_masika% would you like to express in a different unit or different state/condition?	NUMERIC: DECIMAL	s7q08e
E s7q08d==1	-----	

s7q08e_unit - Harvest unit

F @rowcode == 12 ? @optioncode.InList(1,2,3,80,91,92,93,111,112,113,114,115,116,117,119,121,122,123,190,200) : @rowcode == 13 ? @optioncode.InList(1,2,3,50,60,80,91,92,93,111,112,113,114,190,200,100,150 [And 5654 other symbols \[11\]](#)
 E s7q08e>0

SINGLE-SELECT s7q08e_unit

- 001 Kilogram
- 002 Gram
- 003 Tonne
- 004 Litre
- 011 Small Piece
- 012 Medium Piece
- 013 Large Piece
- 021 Small Heap
- 022 Medium Heap
- 023 Large Heap
- 030 Tenga/Susu) straw basket
- 041 Small bunch
- 042 Medium bunch (mkungu)
- 043 Large bunch (mkungu)
- 044 Splinter (kichane/chana)
- 050 Bowl (Bakuli)

[And 33 other symbols \[7\]](#)

s7q8e_state - Harvest state/condition

F @rowcode == 11 ? @optioncode.InList(111,112) : @rowcode == 12 ? @optioncode.InList(12,2004) : @rowcode == 13 ? @optioncode == 13 : @rowcode == 14 ? @optioncode == 14 : @rowcode == 15 ? @optioncode == 15 : @rowcode = [And 3320 other symbols \[12\]](#)
 E IsAnswered(s7q08e_unit) && (VAR5_3 == 1 || temp_or_perm_masika == 1)
 W1 !(masika_string_int_other.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114, 9981, 9982, 9983, 9991, 9992, 9993)) ? (masik_harvests_per_hectare_other < [And 42 other symbols \[5\]](#)
 M1 The quantity of harvest reported in this plot seems too high. Please confirm.
 V2 self!=s7q8c_state
 M2 Error! the harvested conditions/states are the same. Please review the state for this question or at s7q8c_state
 V3 s7q08e_masika_harvests_kg!=0
 M3 Error!, The state/condition and the unit reported for %rostartitle% crop do not match. Please select the appropriate unit and state/condition!

SINGLE-SELECT s7q8e_state

- 0012 Paddy husked (Mpunga)
- 0013 Sorghum grain
- 0014 Bulrush millet grain
- 0015 Finger millet grain
- 0016 Wheat grain
- 0017 Barley grain
- 0021 Cassava fresh
- 0022 Sweet potatoes, fresh
- 0023 Irish potatoes fresh
- 0024 Yams fresh
- 0025 Cocoyams fresh
- 0027 Ginger fresh
- 0028 Garlic fresh
- 0036 Bambaranuts fresh
- 0038 Malay apple fresh
- 0041 Sunflower dry

[And 106 other symbols \[8\]](#)

VARIABLE
 int.Parse(String.Concat(s7q8e_state, s7q08e_unit))

DOUBLE masika_string_int_other

VARIABLE
 conv_factors[(int)masika_string_int_other].conv_fact

DOUBLE s7q08e_lookup_value

VARIABLE (s7q08e_lookup_value>0 masika_string_int_other.InList (33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114)) ? (s7q08e*conv_factors[(int)masika_string_int	DOUBLE	s7q08e_masika_harvests_kg
VARIABLE s7q08e*conv_factors[(int)masika_string_int_other].conv_factor	DOUBLE	masika_harvests_kg_other
VARIABLE masika_harvests_kg_other*0.001	DOUBLE	masika_harvests_tonnes_other
VARIABLE masika_harvests_tonnes_other/area_harvested_hectares_M	DOUBLE	masik_harvests_per_hectare_other

STATIC TEXT
E IsAnswered(s7q8e_state)
Vuli harvests per hectare is : %masik_harvests_per_hectare_other%

STATIC TEXT
E masika_harvests_kg_other>0
The quantity of %rostartertitle% %other crop masika% harvested in %s7q8e state% condition/state from this plot is equivalent to : %masika_harvests_kg_other% KG (or %masika_harvests_tonnes_other% tonnes)

VARIABLE (masika_harvests_tonnes??0) + (masika_harvests_tonnes_other??0)	DOUBLE	harvest_states_sum_M
VARIABLE harvest_states_sum_M/area_harvested_hectares_M	DOUBLE	total_masika_harvests_hectare

STATIC TEXT
E masika_harvests_kg_other>0
The total quantity of %rostartertitle% %other crop masika% harvested per Hectare is: %total_masika_harvests_hectare%

STATIC TEXT
E total_masika_harvests_hectare > masika_harvest_hectare
V1 total_masika_harvests_hectare <= masika_harvest_hectare
M1 Warning! harvest for %rostartertitle% crop in masika and dry season seems too high. Please confirm!
Warning!

s7q11 - Is the %rostartertitle% %other crop masika% crop on this %PLOTNAMEMASIKA% plot cultivated in a compact or scattered planting?	SINGLE-SELECT	s7q11
E VAR5_3==2 temp_or_perm_masika == 2	01 <input type="radio"/> COMPACT 02 <input type="radio"/> SCATTERED	
VARIABLE s7q12/masika_calculated_hectares	DOUBLE	trees_per_hectares_masika
VARIABLE s7q12/masika_calculated_acres	DOUBLE	trees_per_acres_masika
VARIABLE s7q12/masika_calculated_sqmeters	DOUBLE	trees_per_sqmeter_masika
VARIABLE (s6q03_unit==1 && (trees_per_hectares_masika <= CropType[@rowcode].max_plants)) (s6q03_unit==2 && (trees_per_acres_masika <= (CropType[@rowcode].max_plants)/2.471)) (s6q03_unit==3 && (trees_per	BOOLEAN	trees_per_unit_masika

[And 59 other symbols \[5\]](#)

s7q12 - How many %rosteritle% %other_crop_masika% plants/trees are on this %PLOTNAME MASIKA%?

NUMERIC: INTEGER s7q12

SPECIAL VALUES
-99 **UNABLE TO QUANTIFY**

E (VAR5_3==2 || temp_or_perm_masika == 2) && !(@rowcode.InList(21,34,55,60,61,75,213,214,300,307,998))
V1 self>0 || self== -99
M1 Must be higher than 0.
W2 trees_per_unit_masika==true
M2 Warning. The number of trees per %s6q03_unit% is too high. please Confirm!

s7q13 - How many of %rosteritle% %other_crop_masika% are in the production age?

NUMERIC: INTEGER s7q13

SPECIAL VALUES
-99 **FARMER IS UNABLE TO QUANTIFY**

I *PRODUCTION AGE IS THE AGE AT WHICH THE TREE OR PLANT IS READY TO PRODUCE THE PRODUCT OF INTEREST
E (VAR5_3 == 2 || temp_or_perm_masika == 2) && s7q12>0
V1 (self <= s7q12) || s7q12 == -99
M1 Number in production age cannot exceed total number of plant / trees
V2 self>=0 || self== -99
M2 Must be 0 or higher.

s7q14 - Have you planted any %rosteritle% %other_crop_masika% during the past 2023/24 MASIKA SEASON and DRY SEASON?

SINGLE-SELECT s7q14

01 Yes
00 No

E VAR5_3 == 2 || temp_or_perm_masika == 2

s7q14a - What was the total quantity of %rosteritle% %other_crop_masika% seeds planted during the past MASIKA SEASON and DRY SEASON on this %PLOTNAME MASIKA% plot?

NUMERIC: INTEGER s7q14a

E s7q14==1 && VAR5_3 == 2

s7q14b - UNIT

SINGLE-SELECT s7q14b_unit

01 KILOGRAM
02 SEEDLINGS
03 CUTTINGS
04 GRAM

F (@optioncode==3 && @rowcode.InList(21,22,24,78,212,902,19,60)) || (@optioncode.InList(1,3) && @rowcode.InList(26, 28, 213, 214, 89, 90, 91, 97, 901, 921, 903, 904, 905, 93, 94, 96, 100, 102, 61, 95, [And 516 other symbols \[13\]](#))
E IsAnswered(s7q14a)

End Time for Section 7

DATE: CURRENT TIME InterviewEnd_Sec7

E IsAnswered(InterviewStart_Sec7)
V1 self > InterviewStart_Sec7
M1 Error. The end time must always be ahead of start time. Correct

VARIABLE
(float)InterviewEnd_Sec7.value.Subtract(InterviewStart_Sec7.value).TotalMinutes

DOUBLE duration_section7

SECTION 8: PERMANENT CROP PRODUCTION

E FIELD2.Any(y=> y.VULIPLLOT1.Any(x=>((x.s5q01 ?? new int[0]).Any(z=> CropType[z].tempper==2)))) || FIELD5.Any(y=> y.MASIKAPLOT1.Any(x=>((x.s7q01 ?? [And 64 other symbols \[3\]](#)))

Start Time for Section 8

DATE: CURRENT TIME

InterviewStart_Sec8

SECTION 8: PERMANENT CROP PRODUCTION

Roster: FIELD - %ROSTERTITLE%

generated by list question [s3q01](#)

field_crop

E FIELD2[@rowcode] .VULIPLLOT1.Any(x=>((x.s5q01 ?? new int[0]).Any(z=> CropType[z].tempper==2)))) || FIELD5[@rowcode] .MASIKAPLOT1.Any(x=>((x.s7q [And 86 other symbols \[4\]](#)))

SECTION 8: PERMANENT CROP PRODUCTION / FIELD - %ROSTERTITLE%

Roster: PERMANENT CROP - %ROSTERTITLE%

generated by fixed list

permanent_crop

- 018 Black Pepper
- 034 Pigeon pea
- 038 Malay apple
- 039 Ambarella
- 044 Palm Tree
- 045 Coconut
- 046 Cashew nut
- 053 Sisal
- 054 Coffee
- 055 Tea
- 056 Cocoa
- 057 Rubber
- 058 Wattle
- 059 Kapok
- 060 Sugar cane
- 061 Cardamom
- 063 Tamarind
- 064 Cinnamon
- 065 Nutmeg
- 066 Clove
- 067 Bread fruit
- 068 Pomelo
- 069 Jack fruit
- 070 Passion Fruit
- 071 Banana
- 072 Avocado
- 073 Mango
- 074 Pawpaw
- 075 Pineapple
- 076 Orange

- 077 Grapefruit
- 078 Grapes
- 079 Mandarin
- 080 Guava
- 081 Plums
- 082 Apples
- 083 Pears
- 084 Peaches
- 097 Durian
- 098 Bilimbi
- 099 Rambutan
- 110 Olive
- 200 Custard apple
- 201 God fruit
- 202 Mitobo
- 203 Black plum
- 205 Pomegranate
- 210 Dates
- 211 Tungamaa
- 212 Vanilla
- 213 Strawberry
- 214 Roselle
- 215 Soursop
- 300 Green Tomato
- 301 Monkeybread
- 302 Bamboo
- 304 Timber
- 305 Medicinal plant
- 306 Fence tree

E FIELD2[RosterVector[0]] .VULIPL0T1 .SelectMany(y => y.s5q01??new int[0]) .Contains(@rowcode) || FIELD5[RosterVector[0]] .MASIKAPLOT1 .SelectMany(y => y.s7q01??new int[0] [And 24 other symbols \[5\]](#))

<p>s8q01 - Did you harvest any of the <u>%rosterTitle</u> <u>%</u> on this <u>%field_crop%</u> field during the past 20 23/2024 agricultural year?</p>	<p style="text-align: right;">s8q01</p> <p>SINGLE-SELECT</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------

s8q02 - Why did not you harvest %rosteritle% from %field_crop% field during the past 2023/2024 agricultural year?

E s8q01 == 0

MULTI-SELECT

s8q02

- 01 TOO LITTLE RAIN/DROUGHT
- 02 RAIN/FLOOD DAMAGE
- 03 RAIN CAME TOO EARLY OT T
OO LATE
- 04 WIND/FROST DAMAGE
- 05 PLANT PEST/DISEASE
- 06 FIRE DAMAGE
- 07 CROP THEFT
- 08 NO AVAILABLE LABOR
- 10 ANIMAL/BIRDS DAMAGE
- 09 CROP NOT MATURED
- 11 CROP MATURED BUT STILL I
N THE FARM
- 99 OTHER (SPECIFY)

s8q02_other - Specify

E s8q02.Contains(99)

TEXT

s8q02_other

s8q03 - Between October 2023 and December 2024 in which months did you harvest harvest %rosteritle% from this %field_crop% field during the past 2023/2024 agricultural year?

I SELECT ALL THAT APPLY

E s8q01==1

MULTI-SELECT

s8q03

- 13 October, 2023
- 14 November, 2023
- 15 December, 2023
- 01 January, 2024
- 02 February, 2024
- 03 March, 2024
- 04 April, 2024
- 05 May, 2024
- 06 June, 2024
- 07 July, 2024
- 08 August, 2024
- 09 September, 2024
- 10 October, 2024
- 11 November, 2024
- 12 December, 2024
- 16 CROP HARVESTS ONGOING

VARIABLE
@rowcode

LONG

perm_crop_code

s8q04c - How much %rosteritle% did you harvest from during the past 2023/2024 agricultural year?

E s8q01==1

V1 se1f > 0

M1 Harvested amount must be greater than 0

NUMERIC: DECIMAL

s8q04c

s8q04c_unit - Harvest unit

F @rowcode == 12 ? @optioncode.InList(1,2,3,80,91,92,93,111,112,113,114,115,116,117,119,121,122,123,190,200) : @rowcode == 13 ? @optioncode.InList(1,2,3,50,60,80,91,92,93,111,112,113,114,190,200,100,150 [And 5654 other symbols \[14\]](#)
 E s8q04c>0

SINGLE-SELECT s8q04c_unit

- 001 Kilogram
- 002 Gram
- 003 Tonne
- 004 Litre
- 011 Small Piece
- 012 Medium Piece
- 013 Large Piece
- 021 Small Heap
- 022 Medium Heap
- 023 Large Heap
- 030 Tenga/Susu) straw basket
- 041 Small bunch
- 042 Medium bunch (mkungu)
- 043 Large bunch (mkungu)
- 044 Splinter (kichane/chana)
- 050 Bowl (Bakuli)

[And 33 other symbols \[7\]](#)

s8q4c_state - Harvest state/condition

F @rowcode == 11 ? @optioncode.InList(111,112) : @rowcode == 12 ? @optioncode.InList(12,2004) : @rowcode == 13 ? @optioncode == 13 : @rowcode == 14 ? @optioncode == 14 : @rowcode == 15 ? @optioncode == 15 : @rowcode = [And 3320 other symbols \[15\]](#)
 E IsAnswered(s8q04c_unit)
 W1 !(string_int.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114, 9981, 9982, 9983, 9991, 9992, 9993)) ? (harvests_per_hectare <= harvest_hectare + 0.000 [And 10 other symbols \[6\]](#)
 M1 The quantity of harvest reported in this plot seems too high. Please confirm.
 V2 s8q04c_harvests_kg !=0
 M2 Error!, The state/condition and the unit reported for %rostertitle% crop do not match. Please select the appropriate unit and state/condition!

SINGLE-SELECT s8q4c_state

- 0012 Paddy husked (Mpunga)
- 0013 Sorghum grain
- 0014 Bulrush millet grain
- 0015 Finger millet grain
- 0016 Wheat grain
- 0017 Barley grain
- 0021 Cassava fresh
- 0022 Sweet potatoes, fresh
- 0023 Irish potatoes fresh
- 0024 Yams fresh
- 0025 Cocoyams fresh
- 0027 Ginger fresh
- 0028 Garlic fresh
- 0036 Bambaranuts fresh
- 0038 Malay apple fresh
- 0041 Sunflower dry

[And 106 other symbols \[8\]](#)

VARIABLE
 int.Parse(String.Concat(s8q4c_state, s8q04c_unit))

DOUBLE string_int

VARIABLE
 conv_factors[(int)string_int].conv_fact

DOUBLE s8q04c_lookup_value

VARIABLE (s8q04c_lookup_value>0 string_int.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114)) ? (s8q04c*conv_factors[(int)string_int].conv_fact) : 0	DOUBLE s8q04c_harvests_kg
VARIABLE s8q04c*conv_factors[(int)string_int].conv_fact	DOUBLE harvests_kg
VARIABLE harvests_kg*0.001	DOUBLE harvests_tonnes
VARIABLE harvests_tonnes/s3q04a_Hectares	DOUBLE harvests_per_hectare

STATIC TEXT

E IsAnswered(s8q4c_state)

harvests per hectare is : %harvests_per_hectare%

VARIABLE CropType[@rowcode].perm_harvests	DOUBLE harvest_hectare
----------------------------------------------	---------------------------

STATIC TEXT

E harvests_kg>0

The quantity of %rosteritle% harvested in %s8q4c_state% condition/state from this plot is equivalent to : %harvests_kg% KG (or %harvests_tonnes% tonnes)

s8q04d - Beside the [%s8q04c%] [%s8q04c_unit%] of %rosteritle% you just reported, was there an additional quantity during the past 2023/2024 agricultural year that you wish to express in a different unit or different state/condition?	SINGLE-SELECT s8q04d 01 <input type="radio"/> Yes 00 <input type="radio"/> No
E s8q04c>0 && @rowcode.InList(11,26,31,32,33,34,35,37,44,47,52,54,56,71,73,78,90,101,214,312,906)	

s8q04e - How much %rosteritle% would you like to express in a different unit or different state/condition?	NUMERIC: DECIMAL s8q04e -----
E s8q04d==1	

s8q04e_unit - Harvest unit

F @rowcode == 12 ? @optioncode.InList(1,2,3,80,91,92,93,111,112,113,114,115,116,117,119,121,122,123,190,200) : @rowcode == 13 ? @optioncode.InList(1,2,3,50,60,80,91,92,93,111,112,113,114,190,200,100,150 [And 5654 other symbols \[16\]](#)
 E s8q04e>0

SINGLE-SELECT s8q04e_unit

- 001 Kilogram
- 002 Gram
- 003 Tonne
- 004 Litre
- 011 Small Piece
- 012 Medium Piece
- 013 Large Piece
- 021 Small Heap
- 022 Medium Heap
- 023 Large Heap
- 030 Tenga/Susu) straw basket
- 041 Small bunch
- 042 Medium bunch (mkungu)
- 043 Large bunch (mkungu)
- 044 Splinter (kichane/chana)
- 050 Bowl (Bakuli)

[And 33 other symbols \[7\]](#)

s8q4e_state - Harvest state/condition

F @rowcode == 11 ? @optioncode.InList(111,112) : @rowcode == 12 ? @optioncode.InList(12,2004) : @rowcode == 13 ? @optioncode == 13 : @rowcode == 14 ? @optioncode == 14 : @rowcode == 15 ? @optioncode == 15 : @rowcode = [And 3320 other symbols \[17\]](#)
 E IsAnswered(s8q04e_unit) //&& (VAR5_3 == 1 || temp_or_perm_masika == 1)
 W1 !(string_int_other.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114, 9981, 9982, 9983, 9991, 9992, 9993)) ? (harvests_per_hectare_other <= harvest_hect [And 21 other symbols \[7\]](#))
 M1 The quantity of harvest reported in this plot seems too high. Please confirm.
 V2 s8q04e_harvests_kg!=0
 M2 Error!, The state/condition and the unit reported for %rostartitle% crop do not match. Please select the appropriate unit and state/condition!

SINGLE-SELECT s8q4e_state

- 0012 Paddy husked (Mpunga)
- 0013 Sorghum grain
- 0014 Bulrush millet grain
- 0015 Finger millet grain
- 0016 Wheat grain
- 0017 Barley grain
- 0021 Cassava fresh
- 0022 Sweet potatoes, fresh
- 0023 Irish potatoes fresh
- 0024 Yams fresh
- 0025 Cocoyams fresh
- 0027 Ginger fresh
- 0028 Garlic fresh
- 0036 Bambaranuts fresh
- 0038 Malay apple fresh
- 0041 Sunflower dry

[And 106 other symbols \[8\]](#)

VARIABLE
 int.Parse(String.Concat(s8q4e_state, s8q04e_unit))

DOUBLE string_int_other

VARIABLE
 conv_factors[(int)string_int_other].conv_fact

DOUBLE s8q04e_lookup_value

VARIABLE (s8q04e_lookup_value>0 string_int_other.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114)) ? (s8q04e*conv_factor s[(int)string_int_other].conv_f	DOUBLE	s8q04e_harvests_kg
And 8 other symbols [6]		
VARIABLE s8q04e*conv_factors[(int)string_int_other].conv_fact	DOUBLE	harvests_kg_other
VARIABLE harvests_kg_other*0.001	DOUBLE	harvests_tonnes_other
VARIABLE harvests_tonnes_other/s3q04a_Hectares	DOUBLE	harvests_per_hectare_other

STATIC TEXT
E IsAnswered(s8q4e_state)
Vuli harvests per hectare is : %harvests_per_hectare_other%

STATIC TEXT
E harvests_kg_other>0
The quantity of %rostartitle% harvested in %s8q4e state% condition/state from this plot is equivalent to : %harvests_kg_other% KG (or %harvests_tonnes_other% tonnes)

VARIABLE (harvests_tonnes??0) + (harvests_tonnes_other??0)	DOUBLE	harvest_states_sum_perm
VARIABLE harvest_states_sum_perm/s3q04a_Hectares	DOUBLE	total_harvests_hectare

STATIC TEXT
E harvests_kg_other>0
The total quantity of %rostartitle% harvested per Hectare is: %total_harvests_hectare%

STATIC TEXT
E total_harvests_hectare > harvest_hectare
V1 total_harvests_hectare <= harvest_hectare
M1 Warning! harvest for %rostartitle% crop in masika and dry season seems too high. Please confirm!

Warning!

End Time for Section 8 E IsAnswered(InterviewStart_Sec8) V1 self > InterviewStart_Sec8 M1 Error. The end time must always be ahead of start time. Correct	DATE: CURRENT TIME InterviewEnd_Sec8
VARIABLE (float)InterviewEnd_Sec8.Value.Subtract(InterviewStart_Sec8.Value).TotalMinutes	DOUBLE duration_section8

SECTION 9: CROP HARVEST USE

Sec9

E FIELD2.Any(a=>a.VULIPLLOT1.Any(b=>b.VULICROP.Any(c=>c.s5q05==1))) || FIELD5.Any(a=>a.MASIKAPLOT1.Any(b=>b.MASIKACROP.Any(c=>c.s7q05==1))) || field_crop.Any(a=>a.permanent_crop.Any(b=>b.s8q01==1))

Start Time for Section 9	DATE: CURRENT TIME InterviewStart_Sec9
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SECTION 9: CROP HARVEST USE

Roster: HARVEST USE - %ROSTERTITLE%

generated by fixed list

CROP_USE

- 011 Maize
- 012 Paddy
- 013 Sorghum
- 014 Bulrush Millet
- 015 Finger Millet
- 016 Wheat
- 017 Barley
- 021 Cassava
- 022 Sweet potatoes
- 023 Irish potatoes
- 024 Yams
- 025 Cocoyams
- 026 Onion
- 027 Ginger
- 028 Garlic
- 031 Beans
- 032 Cowpeas
- 033 Green gram
- 035 Chick peas
- 036 Bambaranuts
- 037 Field peas
- 041 Sunflower
- 042 Sesame
- 043 Groundnut
- 047 Soyabeans
- 048 Caster seed
- 311 Upupu
- 312 Green beans
- 038 Malay apple
- 039 Ambarella
- 070 Passion Fruit
- 071 Banana
- 072 Avocado
- 073 Mango
- 074 Pawpaw

075 Pineapple
076 Orange
077 Grapefruit
078 Grapes
079 Mandarin
080 Guava
081 Plums
082 Apples
083 Pears
084 Peaches
068 Pomelo
069 Jack fruit
097 Durian
098 Bilimbi
099 Rambutan
067 Bread fruit
200 Custard apple
201 God fruit
202 Mitobo
203 Black plum
205 Pomegranate
210 Dates
211 Tungamaa
212 Vanilla
213 Strawberry
214 Roselle
215 Soursop
851 Lime
852 Lemon
086 Cabbage
871 Tomatoes
872 Bitter tomato
088 Spinach
089 Carrot
090 Chilies
091 Amaranths
901 Sweet/bell pepper
092 Pumpkins
921 Squash
902 Sweet potato leaves
903 Mnavu/Mnafu
904 Figiri, sukuma wiki
905 Brocol
906 Pumpkin leaves
907 Majani ya kunde
093 Cucumber
094 Egg Plant

- 095 Water mellon
- 096 Cauliflower
- 100 Okra
- 101 Fiwi
- 102 Coriander
- 050 Cotton
- 051 Tobacco
- 052 Pyrethrum
- 062 Jute
- 019 Seaweed
- 053 Sisal
- 054 Coffee
- 055 Tea
- 056 Cocoa
- 057 Rubber
- 058 Wattle
- 059 Kapok
- 060 Sugar cane
- 061 Cardamom
- 063 Tamarind
- 064 Cinnamon
- 065 Nutmeg
- 066 Clove
- 018 Black Pepper
- 034 Pigeon pea
- 044 Palm Tree
- 045 Coconut
- 046 Cashew nut
- 110 Olive
- 300 Green Tomato
- 301 Monkeybread
- 302 Bamboo
- 304 Timber
- 305 Medicinal plant
- 306 Fence tree
- 307 Lemon grass

E FIELD2.Any(a=>a.VULIPLLOT1.Any(b=>b.VULICROP.Any(c=>c.s5q05==1 && c.CropCode_vuli==@rowcode))) || FIELD5.Any(a=>a.MASIKAPLOT1.Any(b=>b.MASIKACROP.Any(c=>c.s7q05==1 && c.CropCode_Masika==@rowcode))) || [And 85 other symbols \[6\]](#)

VARIABLE CropType[@rowcode].tempperm	DOUBLE VAR5_2_masika
s9q01 - Do you have any of the %rostertitle% harvested in the past 2023/24 agricultural year in storage now?	SINGLE-SELECT s9q01 01 <input type="radio"/> Yes 00 <input type="radio"/> No
VARIABLE s9q01 == 1 ? "ukijumuisha yale yaliyoko ghalani " : " " //including the quantity currently in storage	STRING instorage

s9q02 - Did your household/farm use, or intended to use the %rosteritle% produce %instorage% for any of the following purposes?

I *READ ANSWERS *SELECT ALL THAT APPLY
 F (@optioncode.InList(1,2,3,4,5,6,7,99) && SCREENING==1) || (@optioncode.InList(1,4,5,6,7,8,99) && SCREENING==2)

- MULTI-SELECT s9q02
- 01 FOR SALE UNPROCESSED
 - 02 FOR SELF-CONSUMPTION
 - 03 FOR GIVING OUT AS GIFT TO OTHER HOUSEHOLDS
 - 04 FOR PAYING FOR LAND, LAB OUR OR INPUTS
 - 05 FOR ANIMAL FEED
 - 06 FOR SEEDS FOR NEXT SEASO
 - N
 - 07 FOR PROCESSING AND SALE
 - 08 FOR SCHOOL CONSUMPTIO
 - N
 - 99 OTHER (SPECIFY)

s902_other - Specify

E s9q02.Contains(99)

TEXT s902_other

s9q03 - What percentage or proportion of the %rosteritle% harvested in the past 2023/24 agricultural year was sold, or intended to be sold in unprocessed form %instorage%

E s9q02.Contains(1)
 V1 self.InRange(1,100)
 M1 Error! percentage must be between 1 and 100.

- NUMERIC: INTEGER s9q03
-
- SPECIAL VALUES
- 100 All - 100%
 - 075 Three-quarters - 75%
 - 050 Half - 50%
 - 025 One quarter - 25%

s9q04 - What was the total value of all unprocessed %rosteritle% sales, or intended sales %instorage%

I TZS <p>ESTIMATE THE VALUE OF IN-KIND PAYMENTS. </p><p>ESTIMATE THE VALUE OF SALES NOT YET DONE</p>
 E s9q03 > 0
 V1 self>0
 M1 Must be higher than 0.
 W2 self<500000000
 M2 The number specified is too high, confirm!

NUMERIC: DECIMAL s9q04

s9q05 - What percentage or proportion of the %rosteritle% harvested in the past 2023/24 agricultural year was consumed, or intended to be consumed by household members either in processed or unprocessed form %instorage% ?

I IF PROCESSED FOR CONSUMPTION, INCLUDE IT HERE AS PART OF THE RAW PRODUCT
 E s9q02.ContainsAny(2)
 V1 self.InRange(1,100)
 M1 Error! percentage must be between 1 and 100.

- NUMERIC: INTEGER s9q05
-
- SPECIAL VALUES
- 100 All - 100%
 - 075 Three-quarters - 75%
 - 050 Half - 50%
 - 025 One quarter - 25%

<p>s9q06 - What percentage or proportion of the %rosteritle% harvested in the past 2023/24 agricultural year was given out as gift, or intended to be given out as gift to other households %instorage%</p> <p>I IF PROCESSED BEFORE GIVING OUT AS GIFT, INCLUDE IT HERE AS PART OF THE RAW PRODUCT</p> <p>E s9q02.Contains(3)</p> <p>V1 self.InRange(1,100)</p> <p>M1 Error! percentage must be between 1 and 100.</p>	<p>NUMERIC: INTEGER s9q06</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All - 100%</p> <p>075 Three-quarters - 75%</p> <p>050 Half - 50%</p> <p>025 One quarter - 25%</p>
<p>s9q07 - What percentage or proportion of the %rosteritle% harvested in the past 2023/24 agricultural year was used, or intended to be used to pay for land, labour or inputs %instorage%</p> <p>I IF PROCESSED BEFORE GIVING OUT AS REIMBURSEMENT, INCLUDE IT HERE AS PART OF THE RAW PRODUCT</p> <p>E s9q02.Contains(4)</p> <p>V1 self.InRange(1,100)</p> <p>M1 Error! percentage must be between 1 and 100.</p>	<p>NUMERIC: INTEGER s9q07</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All - 100%</p> <p>075 Three-quarters - 75%</p> <p>050 Half - 50%</p> <p>025 One quarter - 25%</p>
<p>s9q08 - What percentage or proportion of the %rosteritle% harvested in the past 2023/24 agricultural year was used, or intended to be used for animal feed %instorage%</p> <p>I EXCLUDE THE QUANTITY OF CROP USED AS ANIMAL FEED DUE TO PEEST DAMAGE.</p> <p>E s9q02.Contains(5)</p> <p>V1 self.InRange(1,100)</p> <p>M1 Error! percentage must be between 1 and 100.</p>	<p>NUMERIC: INTEGER s9q08</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All - 100%</p> <p>075 Three-quarters - 75%</p> <p>050 Half - 50%</p> <p>025 One quarter - 25%</p>
<p>s9q09 - What percentage or proportion of the %rosteritle% harvested in the past 2023/24 agricultural year was used, or intended to be used for seeds in the following season %instorage%?</p> <p>E s9q02.Contains(6)</p> <p>V1 self.InRange(1,100)</p> <p>M1 Error! percentage must be between 1 and 100.</p>	<p>NUMERIC: INTEGER s9q09</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All - 100%</p> <p>075 Three-quarters - 75%</p> <p>050 Half - 50%</p> <p>025 One quarter - 25%</p>
<p>s9q10 - What percentage or proportion of the %rosteritle% harvested in the past 2023/24 agricultural year was processed, or intended to be processed for sale %instorage%</p> <p>E s9q02.Contains(7)</p> <p>V1 self.InRange(1,100)</p> <p>M1 Error! percentage must be between 1 and 100.</p>	<p>NUMERIC: INTEGER s9q10</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All - 100%</p> <p>075 Three-quarters - 75%</p> <p>050 Half - 50%</p> <p>025 One quarter - 25%</p>

<p>s9q10a - What percentage or proportion of the %rosteritle% harvested in the past 2023/24 agricultural year was processed, or intended to be used for school consumption %instorage%</p> <p>E s9q02.Contains(8) V1 self.InRange(1,100) M1 Error! percentage must be between 1 and 100.</p>	<p>NUMERIC: INTEGER s9q10a</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All - 100%</p> <p>075 Three-quarters - 75%</p> <p>050 Half - 50%</p> <p>025 One quarter - 25%</p>
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<p>s9q11 - What percentage or proportion of the %rosteritle% harvested in the past 2023/24 agricultural year was used, or intended to be used for any other purposes not mentioned before %instorage%</p> <p>E s9q02.Contains(99) V1 self.InRange(1,100) M1 Error! percentage must be between 1 and 100.</p>	<p>NUMERIC: INTEGER s9q11</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All - 100%</p> <p>075 Three-quarters - 75%</p> <p>050 Half - 50%</p> <p>025 One quarter - 25%</p>
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<p>VARIABLE</p> <p>SCREENING==1 ? (s9q03 + s9q05 + s9q06 + s9q07 + s9q08 + s9q09 + s9q10 + s9q11) : SCREENING==2 ? (s9q03 + s9q07 + s9q08 + s9q09 + s9q10 + s9q10a + s9q11) :0</p>	<p>LONG S9_PERCENT_TOTAL</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------

STATIC TEXT

sum is %S9_PERCENT_TOTAL%

STATIC TEXT

E S9_PERCENT_TOTAL != 100 && IsAnswered(s9q03) && IsAnswered(s9q07) && IsAnswered(s9q08) && IsAnswered(s9q09) && IsAnswered(s9q10) && IsAnswered(s9q11) && ((IsAnswered(s9q05) && IsAnswered(s9q06)) || [And 19 other symbols \[8\]](#))

V1 S9_PERCENT_TOTAL == 100

M1 Error! The sum of the percentages reported for uses should be 100. Adjust the answers accordingly.

Error Message

<p>End Time for Section 9</p> <p>E IsAnswered(InterviewStart_Sec9) V1 self > InterviewStart_Sec9 M1 Error. The end time must always be ahead of start time. Correct</p>	<p>DATE: CURRENT TIME InterviewEnd_Sec9</p> <p>-----</p>
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<p>VARIABLE</p> <p>(float)InterviewEnd_Sec9.Value.Subtract(InterviewStart_Sec9.Value).TotalMinutes</p>	<p>DOUBLE duration_section9</p>
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SECTION 11: INPUT USE AND ACQUISITION (FERTILIZERS AND PESTICIDES)

Sec11

```
E FIELD1.Any(x => x.VULILOT.Any(y => new [] { y.s4q10, y.s4q12} .Any(b => (IsAnswered(b) && !b.ContainsAny(99))) ) )
|| FIELD4.Any(x => x.MASIKAP And 124 other symbols \[7\])
```

Start Time for Section 11	DATE: CURRENT TIME InterviewStart_Sec11
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SECTION 11: INPUT USE AND ACQUISITION (FERTILIZERS AND PESTICIDES)

Roster: INPUT ROSTER VULI - %ROSTERTITLE%

generated by fixed list

InputRoster_vuli

- 001 Solid manure / farm yard manure
- 002 Liquid manure / slurry
- 003 Green manure (crop residues) and compost
- 004 Compost
- 005 Stabilized sewage sludge
- 006 Biofertilizers
- 007 Other organic fertilizer
- 008 Urea
- 009 Diammonium phosphate (DAP)
- 010 Calcium ammonium nitrate (CAN)
- 011 Ammonium sulphate (SA)
- 012 Nitrogen, phosphorus, potassium (NPK)
- 013 Minjingu nafaka plus
- 014 NPS zinc
- 115 FOMI
- 116 KENOPLUS
- 117 PANDAPLUS
- 118 MACROP
- 119 AMIDAS
- 120 Triple Super Phosphate (TSP)
- 121 Muriate of Potash (MOP)
- 099 Other inorganic fertilizer
- 016 Insecticides
- 017 Herbicides (solid)
- 018 Herbicides (liquid)
- 019 Fungicides
- 020 Rodenticides
- 021 Other (specify)

```
E FIELD1.SelectMany(x => x.VULILOT) .SelectMany(z => (z?.s4q10 ?? new int[0]) .Union(z?.s4q12 ?? new int[0]) .ToList(
)) .Contains(@rowcode)
```

<p>s11q01a - What was the quantity of %rostartitle % that your farm used during the VULI season of the 2023/24 Agricultural year?</p> <p>I *Report the non-diluted quantity V1 se1f > 0 M1 Must be greater than 0 W2 se1f < 100000 M2 The quantity specified is too high, confirm!</p>	<p>NUMERIC: DECIMAL s11q01a</p> <p>-----</p>
<p>s11q01a_unit - Unit reported by the respondent</p> <p>F (@optioncode.InList(1,2,99) && @rowcode.InList(8,9,10,11,12,13,14,17,115,116,117,118,119,120,121,99)) (@optioncode.InList(1,2,3,4,99) && @rowcode.InList(15,16,19,20,21)) (@optioncode.InList(3,4, And 27 other symbols [18])</p> <p>E IsAnswered(s11q01a)</p>	<p>SINGLE-SELECT s11q01a_unit</p> <p>01 <input type="radio"/> Gram 02 <input type="radio"/> Kilogram 03 <input type="radio"/> Milliliter 04 <input type="radio"/> Liter 99 <input type="radio"/> Other (Specify)</p>
<p>s11q01a_unit_other - Other (Specify)</p> <p>E s11q01a_unit==99</p>	<p>TEXT s11q01a_unit_other</p> <p>-----</p>

SECTION 11: INPUT USE AND ACQUISITION (FERTILIZERS AND PESTICIDES)
Roster: INPUT ROSTER - MASIKA - %ROSTARTITLE%
generated by fixed list

InputRoster_masika

- 001 Solid manure / farm yard manure
- 002 Liquid manure / slurry
- 003 Green manure (crop residues) and compost
- 004 Compost
- 005 Stabilized sewage sludge
- 006 Biofertilizers
- 007 Other organic fertilizer
- 008 Urea
- 009 Diammonium phosphate (DAP)
- 010 Calcium ammonium nitrate (CAN)
- 011 Ammonium sulphate (SA)
- 012 Nitrogen, phosphorus, potassium (NPK)
- 013 Minjingu nafaka plus
- 014 NPS zinc
- 115 FOMI
- 116 KENOPLUS
- 117 PANDAPLUS
- 118 MACROP
- 119 AMIDAS
- 120 Triple Super Phosphate (TSP)
- 121 Muriate of Potash (MOP)
- 099 Other inorganic fertilizer
- 016 Insecticides
- 017 Herbicides (solid)
- 018 Herbicides (liquid)
- 019 Fungicides

020 Rodenticides

021 Other (specify)

E FIELD4.SelectMany(y => y.MASIKAPLOT) .SelectMany(z => (z?.s6q10 ?? new int[0]) .Union(z?.s6q12 ?? new int[0]) .ToList()) .Contains(@rowcode)

s11q01b - What was the quantity of **rosterite** that your farm used during the MASIKA and dry season of the 2023/24 Agricultural year?

NUMERIC: DECIMAL s11q01b

- I *Report the non-diluted quantity
- V1 self > 0
- M1 Must be greater than 0
- W2 self < 100000
- M2 The quantity specified is too high, confirm!

s11q01b_unit - Unit reported by the respondent

SINGLE-SELECT s11q01b_unit

F (@optioncode.InList(1,2,99) && @rowcode.InList(8,9,10,11,12,13,14,17,115,116,117,118,119,120,121,99)) || (@optioncode.InList(1,2,3,4,99) && @rowcode.InList(15,16,19,20,21)) || (@optioncode.InList(3,4, [And 27 other symbols \[19\]](#))

E IsAnswered(s11q01b)

- 01 Gram
- 02 Kilogram
- 03 Milliliter
- 04 Liter
- 99 Other (Specify)

s11q01b_unit_other - Other (Specify)

TEXT s11q01b_unit_other

E s11q01b_unit==99

End Time for Section 11

DATE: CURRENT TIME InterviewEnd_Sec11

- E IsAnswered(InterviewStart_Sec11)
- V1 self > InterviewStart_Sec11
- M1 Error. The end time must always be ahead of start time. Correct

VARIABLE
(float)InterviewEnd_Sec11.Value.Subtract(InterviewStart_Sec11.Value).TotalMinutes

DOUBLE duration_section11

SECTION 12. LIVESTOCK IN STOCK AND CHANGE IN STOCK

sec12

E s1q07==1

Start Time for Section 12	DATE: CURRENT TIME	InterviewStart_Sec12
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STATIC TEXT

ENUMERATOR READ: Now, I will ask you about the livestock that the household/farm reared between October 2023 and September 2024. Please be assured that all the information you provide will be kept strictly confidential and will not be shared with any individual or entity outside the National Bureau of Statistics (NBS) office. This confidentiality is guaranteed under the Statistical Act of NBS. Furthermore, please note that these statistics are not going to be used for taxation purposes. Your honest and accurate responses are crucial for NBS statistical analysis and will greatly contribute to the quality and reliability of livestock data. Therefore, NBS is kindly requesting you to provide an accurate count of the cattle, goats, sheep, and other livestock you rear.

s12q01a - From September 2023 to October 2024, did the household/farm rear any of the following livestock or poultry, irrespective of who the owner is?

MULTI-SELECT s12q01a

- 01 INDIGENOUS CATTLE
- 02 IMPROVED CATTLE
- 03 INDIGENOUS GOATS
- 04 IMPROVED GOATS
- 05 SHEEP
- 06 PIGS
- 07 INDIGENOUS CHICKEN
- 08 IMPROVED CHICKEN
- 14 EXOTIC CHICKEN (LAYERS)
- 15 EXOTIC CHICKEN (BROILERS)
- 09 DUCKS
- 10 TURKEYS
- 11 DONKEYS
- 12 RABBITS
- 13 DOGS
- 00 NONE OF THE ABOVE

I *Read answers *Select all that apply
V1 self.ContainsOnly(0) || (self.ContainsAny(1,2,3,4,5,6,7,8,9,10,11,12,13,14,15) && !self.Contains(0))
M1 Cannot select "NONE OF THE ABOVE" with any other livestock or poultry.

SECTION 12. LIVESTOCK IN STOCK AND CHANGE IN STOCK
Roster: LIVESTOCK IN STOCK - %ROSTERTITLE%
generated by multi-select question [s12q01a](#)

stock_livestock

E @rowcode!=0

VARIABLE @rowcode	LONG	LivestockCode
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<p>s12q01b - How many %rosteritle% did this household/farm rear as of 1st October 2024?</p> <p>I
ENUMERATOR READS:
 - INCLUDE ANIMALS THAT DO NOT BELONG TO THE HOUSEHOLD/FARM.
 - INCLUDE ANIMALS THAT ARE TEMPORARILY AWAY FOR PASTURES.
 - EXCLUDE ANIMALS THAT ARE OWNED BY THE HOUSEHOLD And 55 other symbols [1]</p> <p>W1 ((@rowcode==1 && SCREENING==1) && s12q01b<=36) ((@rowcode==1 && SCREENING==2) && s12q01b<=1000) ((@rowcode==2 && SCREENING==1) && s12q01b<=8) ((@rowcode==2 && SCREENING==2) && s12q01b<=948) And 1381 other symbols [8]</p> <p>M1 Warning! The number of %rosteritle% reported seems too high. Please confirm.</p> <p>V2 s12q01b>=0</p> <p>M2 Error! The value is not valid, please correct.</p>	<p>NUMERIC: INTEGER s12q01b</p> <p>-----</p>
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<p>s12q01c - How many %rosteritle% did this household/farm rear last year at the same period, as of 1st October 2023?</p> <p>V1 self>=0</p> <p>M1 Error. Number entered is invalid. Correct!</p> <p>W2 ((@rowcode==1 && SCREENING==1) && s12q01c<=38) ((@rowcode==1 && SCREENING==2) && s12q01c<=1000) ((@rowcode==2 && SCREENING==1) && s12q01c<=10) ((@rowcode==2 && SCREENING==2) && s12q01c<=948) And 1383 other symbols [9]</p> <p>M2 Warning! The number of %rosteritle% reported seems too high. Please confirm.</p>	<p>NUMERIC: INTEGER s12q01c</p> <p>-----</p>
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SECTION 12. LIVESTOCK IN STOCK AND CHANGE IN STOCK / LIVESTOCK IN STOCK - %ROSTERTITLE%
LIVESTOCK INFLOWS

inflow_sec

E \$livestockenable

<p>s12q03 - How many %rosteritle% were born in the agricultural year from October 2023 to September 2024?</p> <p>W1 ((@rowcode==1 && SCREENING==1) && s12q03<=12) ((@rowcode==1 && SCREENING==2) && s12q03<=186) ((@rowcode==2 && SCREENING==1) && s12q03<=3) ((@rowcode==2 && SCREENING==2) && s12q03<=225) ((And 806 other symbols [10]</p> <p>M1 Warning!, The number of %rosteritle% reported seems too high. Please confirm.</p> <p>V2 self>=0</p> <p>M2 Error. Number entered is invalid. Please correct!</p>	<p>NUMERIC: INTEGER s12q03</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>00 NONE</p>
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<p>s12q04. How many %rosteritle% did this holding buy alive from October 2023 to September 2024?</p> <p>E \$livestockenable</p> <p>W1 ((@rowcode==1 && SCREENING==1) && s12q04<=8) ((@rowcode==1 && SCREENING==2) && s12q04<=200) ((@rowcode==2 && SCREENING==1) && s12q04<=4) ((@rowcode==2 && SCREENING==2) && s12q04<=239) ((And 802 other symbols [11]</p> <p>M1 Warning. The number of %rosteritle% reported seems too high for %SCREENING%. Please confirm.</p> <p>V2 self>=0</p> <p>M2 Error. Number entered is invalid. Please Correct!</p>	<p>NUMERIC: INTEGER s12q04</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>00 NONE</p>
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s12q07 - How many **%rosteritle%** has this farm sold alive from October 2023 to September 2024?

NUMERIC: INTEGER

s12q07

SPECIAL VALUES

00 NONE

- W1 self >= 0
- M1 Error! The number of livestock can not be negative. Please correct!
- W2 (SCREENING==1 && self <= Animals[@rowcode].SoldAliveUpBKaya) || SCREENING!=1
- M2 Warning! Number of **<u>%rosteritle%</u>** sold alive from October 2023 to September 2024 seems to be too high. Please Cross check
- W3 (SCREENING==2 && self <= Animals[@rowcode].SoldAliveUpBSHamba) || SCREENING!=2
- M3 Warning! Number of **<u>%rosteritle%</u>** sold alive from October 2023 to September 2024 seems to be too high. Please Cross check
- W4 s12q07 <= (s12q01c + inflows)
- M4 Error! The number of **<u>%rosteritle%</u>** sold alive can not exceed the total of existing last year, born, bought and received as gift.

s12q08c - What was the average unit price of one **%rosteritle%** sold from October 2023 to September 2024?

NUMERIC: DECIMAL

s12q08c

- I *TZS
- E s12q07 > 0
- V1 self > 0
- M1 The unit price must be higher than 0.
- W2 (TZ_ZAN==1 && self >= Animals[@rowcode].MainMins12q08c) || TZ_ZAN!=1
- M2 Warning! The average unit price of one **<u>%rosteritle%</u>** sold seems to be too low. Cross check
- W3 (TZ_ZAN==1 && self <= Animals[@rowcode].MainMaxs12q08c) || TZ_ZAN!=1
- M3 Warning! The average unit price of one **<u>%rosteritle%</u>** sold seems to be too high. Cross check
- W4 (TZ_ZAN==2 && self >= Animals[@rowcode].ZNZMins12q08c) || TZ_ZAN!=2
- M4 Warning! The average unit price of one **<u>%rosteritle%</u>** sold seems to be too low. Cross check
- W5 (TZ_ZAN==2 && self <= Animals[@rowcode].ZNZMaxs12q08c) || TZ_ZAN!=2
- M5 The average unit price of one **<u>%rosteritle%</u>** sold seems to be too high. Cross check

s12q09 - How many **%rosteritle%** died (diseases, natural events, etc) from October 2023 to September 2024?

NUMERIC: INTEGER

s12q09

SPECIAL VALUES

00 NONE

- E \$livenessenable
- V1 self >= 0
- M1 Error. Invalid value entered. Please correct!
- W2 (SCREENING==1 && self <= Animals[@rowcode].MaxDeadKaya) || SCREENING!=1
- M2 Warning! The number of **<u>%rosteritle%</u>** died (diseases, natural events, etc) from October 2023 to September 2024 seems to be too high. Please Confirm!
- W3 (SCREENING==2 && self <= Animals[@rowcode].MaxDeadShamba) || SCREENING!=2
- M3 Warning! The number of **<u>%rosteritle%</u>** died (diseases, natural events, etc) from October 2023 to September 2024 seems to be too high. Please Confirm
- W4 s12q09 <= (s12q01c + inflows - s12q07)
- M4 The number of **<u>%rosteritle%</u>** died can not exceed the total of existing last year, born, bought and received as gift minus sold stock.

<p>s12q10 - How many %rosteritle% were lost (stolen, missing etc.) from October 2023 to September 2024?</p> <p>E \$livenessenable V1 self>=0</p> <p>M1 Error! Invalid value entered. Please correct!</p> <p>W2 (SCREENING==1 && self <= Animal[@rowcode].MaxLostKaya) SCREENING!=1</p> <p>M2 Warning! Number of <u>%rosteritle%</u> lost from October 2023 to September 2024 seems to be too high. Please Cross check</p> <p>W3 (SCREENING==2 && self <= Animal[@rowcode].MaxLostShamba) SCREENING!=2</p> <p>M3 Warning! Number of <u>%rosteritle%</u> lost from October 2023 to September 2024 seems to be too high. Please Cross check!</p> <p>W4 s12q10 <= ((s12q01c + inflows) - (s12q07 + s12q09))</p> <p>M4 Warning! The number of <u>%rosteritle%</u> lost can not exceed the total of existing last year, born, bought and received as gift minus sold alive and died stock.</p>	<p>NUMERIC: INTEGER s12q10</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>00 NONE</p>
<p>s12q11 - How many %rosteritle% has this farm slaughtered from October 2023 to September 2024?</p> <p>E \$livenessenable V1 self>=0</p> <p>M1 Error! The number of <u>%rosteritle%</u> reported can not be negative. Please correct!</p> <p>W2 (SCREENING==1 && self <= Animal[@rowcode].MaxSlaughteredKaya) SCREENING!=1</p> <p>M2 Warning! The number of <u>%rosteritle%</u> slaughtered from October 2023 to September 2024 seems to be too high. Please Confirm</p> <p>W3 (SCREENING==2 && self <= Animal[@rowcode].MaxSlaughteredShamba) SCREENING!=2</p> <p>M3 Warning! The number of <u>%rosteritle%</u> slaughtered from October 2023 to September 2024 seems to be too high. Please Confirm</p> <p>W4 s12q11 <= ((s12q01c + inflows) - (s12q07 + s12q09 + s12q10))</p> <p>M4 Warning! The number of <u>%rosteritle%</u> slaughtered can not exceed the total of existing last year, born, bought and received as gift minus sold alive, died and lost stocks.</p>	<p>NUMERIC: INTEGER s12q11</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>00 NONE</p>
<p>s12q12 - What was the average weight of the %rosteritle% after they were slaughtered?</p> <p>E s12q11>0 V1 self>0</p> <p>M1 Error! The average weight can not be negative, recheck!</p>	<p>NUMERIC: DECIMAL s12q12</p> <p>-----</p>
<p>s12q12_unit - Unit</p> <p>E IsAnswered(s12q12)</p> <p>W1 s12q12_kg >= Animal[@rowcode].Mins12q12</p> <p>M1 Average weight of the <u>%rosteritle%</u> before slaughtered seems to be too low. Please Cross check</p> <p>W2 s12q12_kg <= Animal[@rowcode].Max12q12</p> <p>M2 average weight of the <u>%rosteritle%</u> before slaughtered seems to be too high. Please Cross check</p>	<p>SINGLE-SELECT s12q12_unit</p> <p>01 <input type="radio"/> Kg</p> <p>02 <input type="radio"/> Gram</p>
<p>VARIABLE</p> <p>s12q12_unit == 1 ? s12q12 : s12q12_unit == 2 ? s12q12 / 1000: 0</p>	<p>DOUBLE s12q12_kg</p>

<p>s12q13 - Approximately, what proportion of <u>%rosteritle%</u> meat was consumed by the holding from October 2023 to September 2024?</p> <p>I *% E //s12q11>0 && Holding_TYPE==1 s12q11>0 && SCREENING.InList(0,1) V1 self>=0 M1 Error! the proportion can not be negative. Please correct! V2 self<=100 M2 Error!, the proportion can not exceed 100. Please correct!</p>	<p>NUMERIC: INTEGER s12q13</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All - 100% 075 Three-quarters - 75% 050 Half - 50% 025 One quarter - 25% 000 None - 0%</p>
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<p>s12q14 - Did the farm sell any slaughtered <u>%rosteritle%</u> or their meat from October 2023 to September 2024?</p> <p>E s12q11 > 0 && s12q13 < 100</p>	<p>SINGLE-SELECT s12q14</p> <p>01 <input type="radio"/> Yes 00 <input type="radio"/> No</p>
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<p>s12q15 - Approximately, what proportion of slaughtered <u>%rosteritle%</u> was sold by the farm from October 2023 to September 2024?</p> <p>I *% E s12q14==1 V1 self>=0 M1 Error! the proportion can not be negative. Please correct! V2 prop_sum <= 100 M2 The total of proportions for meat consumed and meat sold must sum up to 100 or be less than 100. V3 self<=100 M3 Error!, the proportion can not exceed 100. Please correct!</p>	<p>NUMERIC: INTEGER s12q15</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All - 100% 075 Three-quarters - 75% 050 Half - 50% 025 One quarter - 25% 000 None - 0%</p>
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<p>VARIABLE</p> <p>s12q13 + s12q15</p>	<p>LONG prop_sum</p>
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<p>s12q15b - What was the price per kg of <u>%rosteritle%</u> meat sold from October 2023 to September 2024?</p> <p>I *TZ\$/kg E s12q14==1 V1 self>0 M1 Error! The price must be higher than 0. Please correct! W2 (TZ_ZAN==1 && self >= Animal[@rowcode].MainMinKgPrice) TZ_ZAN!=1 M2 Warning! The price per kg of <u>%rosteritle%</u> meat sold from October 2023 to September seems to be low. Confirm! W3 (TZ_ZAN==1 && self <= Animal[@rowcode].MainMaxKgPrice) TZ_ZAN!=1 M3 Warning! The price per kg of <u>%rosteritle%</u> meat sold from October 2023 to September seems to be high. Confirm! W4 (TZ_ZAN==2 && self >= Animal[@rowcode].ZnzMinKgPrice) TZ_ZAN!=2 M4 Warning! The price per kg of <u>%rosteritle%</u> meat sold from October 2023 to September seems to be low. Confirm! W5 (TZ_ZAN==2 && self <= Animal[@rowcode].ZnzMaxKgPrice) TZ_ZAN!=2 M5 Warning! The price per kg of <u>%rosteritle%</u> meat sold from October 2023 to September seems to be high. Confirm!</p>	<p>NUMERIC: INTEGER s12q15b</p> <p>-----</p>
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<p>s12q16 - How many %rosteritle% were given a way for example as dowry, gifts and to be reared for by someone else from October 2023 to September 2024?</p> <p>E \$livestockenable V1 self>=0 M1 Error! The number is outside acceptable range, Please correct! W2 (SCREENING==1 && self <= Animalss[@rowcode].MaxGawayKaya) SCREENING!=1 M2 Warning! The number of <u>%rosteritle%</u> given away seems to be to high. Confirm! W3 (SCREENING==2 && self <= Animalss[@rowcode].MaxGawayShamba) SCREENING!=2 M3 Warning! The number of <u>%rosteritle%</u> given away seems to be to high. Confirm! W4 s12q16 <= ((s12q01c + inflows) - (s12q07 + s12q09 + s12q10 + s12q11)) M4 Warning! The number of <u>%rosteritle%</u> seems to exceed the existing number. Confirm!</p>	<p>NUMERIC: INTEGER s12q16</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>00 NONE</p>
<p>VARIABLE (s12q07???) + (s12q09???) + (s12q10???) + (s12q11???) + (s12q16???)</p>	<p>LONG outflows</p>

STATIC TEXT

E IsSectionAnswered(outflow_sec)

Sum of outflows: %outflows%

<p>VARIABLE (s12q01b???) + (s12q07???) + (s12q09???) + (s12q10???) + (s12q11???) + (s12q16???)</p>	<p>LONG initial_sum</p>
<p>VARIABLE (s12q01c???) + (s12q04???) + (s12q06???)</p>	<p>LONG stock</p>

STATIC TEXT

E (s12q01b == 0 && outflows == 0) && IsSectionAnswered(outflow_sec)

V1 s12q01b == 0 && outflows > 0

M1 Error! If the current stock s12q01b is equal to 0, then there must have been at least one outflow of animals i.e the holding either sold, gave away, slaughtered or lost his **<u>%rosteritle%</u>** before the 1st of October 2024. Please review s12q07, s12q09, s12q10, s12q11 and s12q16 accordingly.

Error Message

<p>VARIABLE (inflows + outflows)>0</p>	<p>BOOLEAN zero_inflows_outflows</p>
<p>VARIABLE SCREENING==1 ? ((s12q01c + inflows - outflows) == s12q01b) :false</p>	<p>BOOLEAN kayas_check</p>

STATIC TEXT

E kayas_check==false && IsSectionAnswered(inflow_sec) && IsSectionAnswered(outflow_sec) && IsAnswered(s12q01c) && !(@rowcode.InList(9,10,11,12,13))

V1 //(SCREENING==1 && ((s12q01c + inflows - outflows) == s12q01b)) // for kayas opening stock +inflows-outflows=closing stock kayas_check==true

M1 The initial stock should be consistent with the current stock given the inflows and outflows of animals. Please confirm the values reported in inflow and outflow sub- sections

Error Message

STATIC TEXT

E zero_inflows_outflows==false && IsSectionAnswered(inflow_sec) && IsSectionAnswered(outflow_sec)

V1 zero_inflows_outflows==true

M1 Warning!, no any inflows and outflows reported. Please confirm!

Error Message

STATIC TEXT

E (((s12q01b - inflows + outflows)<0) && IsSectionAnswered(inflow_sec) && IsSectionAnswered(outflow_sec) && IsAnswered(s12q01b)) && !(@rowcode.InList(9,10,11,12,13))

V1 (s12q01b - inflows + outflows)>= 0

M1 "The stock, inflows, and outflows of <u>%rostartitle%</u> are not consistent among them. Review your answers by increasing the stock and/or inflows of animals (s12q01b,s12q03,s12q04,s12q06 and/or by decreasing their outflows (s12q07,s12q09,s12q10,s12q11,s12q16 where the values are misreported "

Error Message

<p>End Time for Section 12</p> <p>E IsAnswered(InterviewStart_Sec12)</p> <p>V1 self > InterviewStart_Sec12</p> <p>M1 Error. The end time must always be ahead of start time. Correct</p>	<p>DATE: CURRENT TIME InterviewEnd_Sec12</p> <p>.....</p>
<p>VARIABLE</p> <p>(float)InterviewEnd_Sec12.value.Subtract(InterviewStart_Sec12.value).TotalMinutes</p>	<p>DOUBLE duration_section12</p>

SECTION 14: MILK PRODUCTION

sec14

E s12q01a.ContainsAny(1,2,3,4)

Start Time for Section 14	DATE: CURRENT TIME	InterviewStart_Sec14
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SECTION 14: MILK PRODUCTION
Roster: MILK PRODUCTION - %ROSTERTITLE%
 generated by multi-select question [s12q01a](#)

s14_milk

E @rowcode.InList(1,2,3,4)

VARIABLE (s12q01b???) + (s12q07???) + (s12q09???) + (s12q10???) + (s12q11???) + (s12q16???) - (s12q03???)	LONG	milked
s14q01 - Did the household/farm milk any %roster title% from October 2023 to September 2024? E milked > 0	SINGLE-SELECT 01 <input type="radio"/> Yes 00 <input type="radio"/> No	s14q01
s14q02 - Between October 2023 and September 2024, how many %roster title% were milked? E s14q01==1 V1 self <= milked M1 Error. The number of %roster title% milked exceeds the maximum possible number that could have been milked, which is <u>%milked%</u>. Please Correct. V2 self>0 M2 Error. The number of milked %roster title% must be at least 1. Please correct!	NUMERIC: INTEGER	s14q02
s14q02a - Did the farm keep record of the quantity of milk milked from the %roster title% from October 2023 to September 2024? E //s14q01==1 && Holding_TYPE==2 s14q01==1 && SCREENING==2	SINGLE-SELECT 01 <input type="radio"/> Yes 00 <input type="radio"/> No	s14q02a
s14q03 - What was the quantity of milk milked from the %roster title% from October 2023 to September 2024? I *Litres E s14q02a == 1 V1 self>0 M1 Error. The quantity must be higher than 0. V2 milk_quantity==true M2 Error. The quantity of milk milked is too high when compared to number total number of %roster title% (which is <u>%s14q02%</u>). Please correct!	NUMERIC: DECIMAL	s14q03
VARIABLE @rowcode==1 ? s14q03 <= s14q02*180*2.5 : @rowcode==2 ? s14q03 <= 300*30*s14q02 : @rowcode==3 ? s14q03 <= 75*1.5*s14q02 : @rowcode==4 ? s14q03 <= 120*3.25*s14q02 : false // minimum number of days req And 318 other symbols [7]	BOOLEAN	milk_quantity

<p>s14q04a - During the <u>wet season</u> between October 2023 and September 2024, how many %rostertitle% were milked?</p> <p>E (SCREENING==2 && s14q02a==0) (SCREENING==1 && s14q01==1)</p> <p>V1 self >= 0</p> <p>M1 Number of livestock cannot be negative.</p> <p>V2 self <= s14q02</p> <p>M2 Error. The number of %rostertitle% milked during the wet season cannot exceed the number milked over the year (s14q02), which is %s14q02%. Please Correct!</p>	<p>NUMERIC: INTEGER</p> <p>s14q04a</p> <p>-----</p>
<p>s14q04b - During the <u>dry season</u> between October 2023 and September 2024, how many %rostertitle% were milked?</p> <p>E (SCREENING==2 && s14q02a==0) (SCREENING==1 && s14q01==1)</p> <p>V1 self >= 0</p> <p>M1 Number of livestock cannot be negative.</p> <p>V2 self <= s14q02</p> <p>M2 Error. The number of %rostertitle% milked during the dry season cannot exceed the number milked over the year (s14q02), which is %s14q02%. Please Correct!</p> <p>V3 (s14q04a??0) + (s14q04b??0) >= s14q02</p> <p>M3 Error! The number of %rostertitle% milked over the wet and dry seasons combined must be at least %s14q02% (The number reported in s14q02): s14q04a+s14q04b>=s14q02. Please correct!</p>	<p>NUMERIC: INTEGER</p> <p>s14q04b</p> <p>-----</p>
<p>VARIABLE</p> <p>(s14q04a??0) + (s14q04b??0) > 0</p>	<p>BOOLEAN</p> <p>wet_dry</p>

STATIC TEXT

E wet_dry==false && IsAnswered(s14q04a) && IsAnswered(s14q04b)

V1 wet_dry==true

M1 The total %rostertitle% milked during wet (s14q04a) and dry season (s14q04b) must be at least 1. Please correct!

Error Message

<p>s14q05a - From October 2023 to September 2024, during the <u>wet season</u>, on average for how many days were %rostertitle% milked?</p> <p>I *Number of days</p> <p>E s14q04a>0</p> <p>V1 self > 0</p> <p>M1 Error. The number of days must be greater than 0. Please correct!</p> <p>W2 @rowcode==1 && self<=100 @rowcode==2 && self<=150 @rowcode==3 && self<=45 @rowcode==4 && self<=60</p> <p>M2 Warning! the number of days reported exceeds the maximum number of days that an %rostertitle% can be milked in a year. Please confirm!</p> <p>V3 self <= 200</p> <p>M3 Error! The number of days reported cannot exceed the maximum number of days (200) in wet season. Please correct!</p>	<p>NUMERIC: INTEGER</p> <p>s14q05a</p> <p>-----</p>
<p>s14q05b - From October 2023 to September 2024, during the <u>dry season</u>, on average for how many days were %rostertitle% milked?</p> <p>I *Number of days</p> <p>E s14q04b>0</p> <p>W1 @rowcode==1 && self<=80 @rowcode==2 && self<=150 @rowcode==3 && self<=30 @rowcode==4 && self<=60</p> <p>M1 Warning. The number of days reported seems high. Please Confirm!</p> <p>V2 self<=200</p> <p>M2 Error! The number of days reported cannot exceed the maximum number of days (200) in dry season. Please correct!</p> <p>V3 self > 0</p> <p>M3 Error. The number of days must be greater than 0. Please correct!</p>	<p>NUMERIC: INTEGER</p> <p>s14q05b</p> <p>-----</p>

<p>VARIABLE</p> <p>(s14q05a???) + (s14q05b???) > 0</p>	<p>BOOLEAN</p> <p>days_wet_dry</p>
<p>STATIC TEXT</p> <p>E days_wet_dry==false && IsAnswered(s14q05a) && IsAnswered(s14q05b)</p> <p>V1 days_wet_dry==true</p> <p>M1 Error. The total number of days in which %rostartitle% was milked must be greater than 0. Please Correct!</p> <p>Error Message</p>	
<p>s14q06a - On these days during the <u>wet season</u> in which %rostartitle% were milked, what was the average milk production per head and per day?</p> <p>I *Litres</p> <p>E IsAnswered(s14q05a)</p> <p>W1 (@rowcode==1 && self<=2.5) (@rowcode==2 && self<=30) (@rowcode==3 && self<=1.5) (@rowcode==4 && self<=3.5)</p> <p>M1 Warning. The amount entered is too high! please confirm!</p> <p>V2 self>0</p> <p>M2 Error. Quantity of milk per head per day must be greater than 0. Please correct!</p>	<p>NUMERIC: DECIMAL</p> <p>s14q06a</p> <p>-----</p>
<p>s14q06b - On these days during the <u>dry season</u> in which %rostartitle% were milked, what was the average milk production per head and per day?</p> <p>I *Litres</p> <p>E IsAnswered(s14q05b)</p> <p>W1 (@rowcode==1 && self<=2.5) (@rowcode==2 && self<=30) (@rowcode==3 && self<=1.5) (@rowcode==4 && self<=3)</p> <p>M1 Warning. The amount entered is out of acceptable range, Confirm!</p> <p>V2 self>0</p> <p>M2 Error. Quantity of milk per head per day must be greater than 0. Please correct!</p>	<p>NUMERIC: DECIMAL</p> <p>s14q06b</p> <p>-----</p>
<p>s14q07 - From October 2023 to September 2024, what percentage or proportion of the %rostartitle% milk collected did this farm consume?</p> <p>I *%</p> <p>E s14q01==1 && SCREENING==1 //s14q01==1</p> <p>V1 self>=0</p> <p>M1 Error! the percentages entered can not be negative. Please correct!</p> <p>V2 self<=100</p> <p>M2 Error! the percentages entered can not exceed 100. Please correct!</p>	<p>NUMERIC: DECIMAL</p> <p>s14q07</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All - 100%</p> <p>075 Three-quarters - 75%</p> <p>050 Half - 50%</p> <p>025 One quarter - 25%</p> <p>000 None - 0%</p>
<p>s14q08 - From October 2023 to September 2024, did this <u>household/farm</u> sell the milk of %rostartitle%?</p> <p>E s14q01==1 && (s14q07???)<100</p> <p>W1 SCREENING==1 && ((self==1 && s14q07>0) (self==1 && s14q07==0) (self==0 && s14q07>=1)) SCREENING==2</p> <p>M1 Warning! responses in s14q02 is livestock milked, in s14q07 no milk consumed by household and in s14q08 no milk sold ! Confirm how the milk was used!</p>	<p>SINGLE-SELECT</p> <p>s14q08</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

s14q09a - From October 2023 to September 2024, what percentage or proportion of the %roster^t milk collected did the %household farm% sell?

NUMERIC: DECIMAL

s14q09a

SPECIAL VALUES

100 All - 100%
 075 Three-quarters - 75%
 050 Half - 50%
 025 One quarter - 25%

- I *%
- E s14q08==1
- V1 self > 0
- M1 Error! The percentage of milk sold must be greater than 0. Please correct!
- V2 self <= 100
- M2 Error! The percentage of milk sold cannot be greater than 100. Please correct!

VARIABLE
 (s14q07???) + (s14q09a???)

DOUBLE consumed_sold

STATIC TEXT

- E IsAnswered(s14q07) && IsAnswered(s14q09a) && consumed_sold > 100
- V1 consumed_sold <=100
- M1 The sum of milk consumed and sold exceeds 100%. Please correct either s14q07 or s14q09a

Error Message

s14q09d - What was the average unit price per litre of the %roster^t milk sold from October 2023 to September 2024

NUMERIC: INTEGER

s14q09d

- I *TZS *Report the price per litre
- E s14q08==1
- V1 @rowcode.InList(1,2) && self>=500 || @rowcode.InList(3,4) && (TZ_ZAN==1 && self>=1000 || TZ_ZAN==2 && self>=2000) /* old (TZ_ZAN==1 && @rowcode==1 && self>=500) || (TZ_ZAN==1 && @rowcode==2 && self> [And 274 other symbols \[13\]](#)
- M1 Error! The price per liter is too low. Please correct!
- V2 @rowcode.InList(1,2) && self<=3000 || (@rowcode==3 || TZ_ZAN==2 && @rowcode==4) && self<=4000 || TZ_ZAN==1 && @rowcode==4 && self<=3500 /* old (TZ_ZAN==1 && @rowcode==1 && self<=3000) || (TZ_ZAN==1 & [And 295 other symbols \[13\]](#)
- M2 Error! The price per liter is too high. Please correct!

End Time for Section 14

DATE: CURRENT TIME

InterviewEnd_Sec14

- E IsAnswered(InterviewStart_Sec14)
- V1 self > InterviewStart_Sec14
- M1 Error. The end time must always be ahead of start time. Correct

.....

VARIABLE
 (float)InterviewEnd_Sec14.Value.Subtract(InterviewStart_Sec14.Value).TotalMinutes

DOUBLE duration_section14

SECTION 15: EGG PRODUCTION

sec15

E s12q01a.ContainsAny(7,8,14)

<p>Start Time for Section 15</p>	<p>DATE: CURRENT TIME InterviewStart_Sec15</p> <p>.....</p>
<p>s15q00 - From October 2023 to September 2024, did the household/farm produced any eggs?</p>	<p>SINGLE-SELECT s15q00</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

SECTION 15: EGG PRODUCTION
 Roster: EGGS PRODUCTION - %ROSTERTITLE%
 generated by multi-select question s12q01a

s15_eggs

E @rowcode.InList(7,8,14) && s15q00==1

<p>s15q01a - Has any %rosteritle% in the household/farm produced any eggs from October 2023 to September 2024?</p>	<p>SINGLE-SELECT s15q01a</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>s15q01b - How many %rosteritle% laid eggs from October 2023 to September 2024</p> <p>I *Number of %rosteritle% laid eggs E s15q01a==1 V1 self>=1 M1 Error!. At least one %rosteritle% must have laid eggs. Please correct! V2 self<=totalStockUsingFinalStock M2 Error!. The number of %rosteritle% reported exceeds the total number reared over the Ag. year (which is %totalStockUsingFinalStock%). Please Correct!</p>	<p>NUMERIC: INTEGER s15q01b</p> <p>.....</p>
<p>s15q02 - Did the farm keep record of the quantity of eggs laid by %rosteritle% from October 2023 to September 2024?</p> <p>E //s15q01a==1 && Holding_TYPE==2 s15q01a==1 && SCREENING==2</p>	<p>SINGLE-SELECT s15q02</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>s15q03 - How many eggs did the <u>entire flock</u> of %rosteritle% produce from October 2023 to September 2024?</p> <p>E s15q02==1 && @rowcode==7 V1 self <= 120 * s15q01b // self/s15q01b <= 120 // (float)self/s15q01b <=120 type casting M1 Error. The number of eggs laid per %rosteritle% is too high. Please Correct! V2 self >= s15q01b M2 Error! the chicken laying eggs (%s15q01b%) must have laid at least one egg each. Please Correct!</p>	<p>NUMERIC: INTEGER s15q03</p> <p>.....</p>

<p>s15q04 - How many trays of eggs did the <u>entire flock</u> of %roster^{title}% produce from October 2023 to September 2024?</p> <p>I A Tray contains 30 eggs E s15q02==1 & (@rowcode==8 @rowcode==14) V1 (@rowcode==8 && (self*30)<=150*s15q01b) (@rowcode==14 && (self*30)<=300*s15q01b) M1 Error. The Number of trays reported for <u>%roster^{title}%</u> is too high. Please correct! V2 self>0 M2 Error. Number of trays must be greater than 0. Please correct! W3 (@rowcode==8 && (self*30)>=30*s15q01b) (@rowcode==14 && (self*30)>=150*s15q01b) M3 Warning! the Number of trays reported for <u>%roster^{title}%</u> is too low. Confirm! V4 self*30 >= s15q01b M4 Error! The number of <u>%roster^{title}%</u> laying eggs (%s15q01b%) must have laid at least one egg each. Please correct!</p>	<p>NUMERIC: DECIMAL s15q04</p> <p>-----</p>
<p>s15q04a - On average how many months did %roster^{title}% lay eggs from October 2023 to September 2024?</p> <p>E ((SCREENING==2 && s15q02==0) SCREENING==1) && (@rowcode==8 @rowcode==14) && s15q01b>0 V1 self<=12 M1 Error! the number of months can not exceed 12. Correct V2 self>0 M2 Error! the number of months must be greater than 0. Correct!</p>	<p>NUMERIC: INTEGER s15q04a</p> <p>-----</p>
<p>s15q05 - During those months of egg production, how many trays did the entire flock (%s15q01b%) of %roster^{title}% lay on average <u>per day</u>?</p> <p>I Tray of 30 eggs E ((SCREENING==2 && s15q02==0) SCREENING==1) && (@rowcode==8 @rowcode==14) && s15q01b>0 V1 self * 30 * 30 * s15q04a >= s15q01b M1 Error! During the months of egg production, each %roster^{title}% must have laid at least one egg. Please correct! V2 @rowcode.InList(8,14) && (self*30<=s15q01b) M2 Error. The number of trays laid per day by all %s15q01b% %roster^{title}% (which is equivalent to %tray_to_eggs% eggs) exceeds the maximum number of eggs that can be laid by by %s15q01b% birds per day. Please Correct!</p>	<p>NUMERIC: DECIMAL s15q05</p> <p>-----</p>
<p>VARIABLE (s12q01b???) + (s12q07???) + (s12q09???) + (s12q10???) + (s12q11???) + (s12q16???) //(s12q01b???) + (s12q07???) + (s12q09???) + (s12q10???) + (s12q11???) + (s12q16???) - (s12q03???)</p>	<p>LONG totalStockUsingFinalStock</p>
<p>VARIABLE (s12q01c???) + (s12q03???) + (s12q04???) + (s12q06???)</p>	<p>LONG totalStockusingInitialStock</p>
<p>VARIABLE s15q05*30</p>	<p>DOUBLE tray_to_eggs</p>
<p>s15q06 - How many <u>clutching periods</u> did <u>one</u> %roster^{title}% have on average from October 2023 to September 2024?</p> <p>E (s15q02==0 SCREENING==1) && @rowcode==7 && s15q01a==1 V1 self>0 M1 Error. The number of clutches should be at least 1. Please correct! V2 self <= 4 M2 Error! the number of clutches can not be greater than 4. Please correct!</p>	<p>NUMERIC: INTEGER s15q06</p> <p>-----</p>

s15q07 - How many eggs per clutching period did one %rosteritle% lay on average?

NUMERIC: INTEGER

s15q07

- E s15q06>0
- V1 self <= 30
- M1 Error. The number of eggs per clutching period for %rosteritle% is too high. Please correct!
- V2 self>0
- M2 Error. Number of eggs is too small. Please correct!

STATIC TEXT

E ((@rowcode==7 && SCREENING==1) || (@rowcode==7 && SCREENING==2 && s15q02==0)) && IsAnswered(s15q07)

Total Eggs produced from all %s15q06% clutches between October 2023 and September 2024 = %egg_produced%

VARIABLE

DOUBLE

eggs_per_clutchORmonth

(@rowcode == 7 && SCREENING==1) ? s15q01b * s15q07 : (@rowcode.InList(8,14) && SCREENING==1) ? s15q05*30*30 : (@rowcode==7 && SCREENING==2 && s15q02==1) ? s15q03/4 : (@rowcode==7 && SCREENING==2 && s

[And 173 other symbols \[8\]](#)

STATIC TEXT

E eggs_per_clutchORmonth>0 && ((@rowcode==7 && SCREENING==1) || (@rowcode==7 && s15q02==0))

Total eggs produced by all chicken per clutching period is: %eggs_per_clutchORmonth%

STATIC TEXT

E @rowcode.InList(8,14) && SCREENING==1 || @rowcode.InList(8,14) && SCREENING==2 && s15q02==0 // (eggs_per_clutchORmonth>0 && @rowcode.InList(8,14)) || s15q02==1

Total eggs produced for all chicken per month is: %eggs_per_clutchORmonth%

STATIC TEXT

E egg_produced>0 && (@rowcode.InList(8,14) && (IsAnswered(s15q04) || IsAnswered(s15q04a)))

Total Eggs produced for all %s15q01b%, %rosteritle% for %s15q04a% months is %egg_produced%

s15q09 - How many %rosteritle% eggs were consumed by the household/farm on average per %clutching month% %period_of_egg_consumption%?

NUMERIC: INTEGER

s15q09

- E egg_produced>0
- V1 (@rowcode==7 && (SCREENING==1 || s15q02==0) ? self <= s15q01b*s15q07 : true)
- M1 Error! The number of %rosteritle% eggs consumed exceeds the total number of eggs produced per clutching period (%total_flock_eggs_clutch% : s15q01b x s15q07)
- V2 (@rowcode==7 && s15q02==1 ? self <= s15q01b*30 && self <= s15q03 : true)
- M2 The number of %rosteritle% eggs consumed per clutch exceeds the number of eggs produced over the year (%s15q03%) OR is greater than the maximum number of eggs that the %rosteritle% that laid eggs can produce. Please correct!
- V3 (@rowcode.InList(8,14) && s15q02==1 ? self * 12 <= s15q04*30 : true)
- M3 Error! The number of %rosteritle% eggs consumed per month exceeds the average number of eggs produced per month (%s15q04% trays x 30 / 12)
- V4 (@rowcode.InList(8,14) && (SCREENING==1 || s15q02==0) ? self <= s15q05*30*30 : true)
- M4 Error! The number of %rosteritle% eggs consumed per month exceeds the total number of eggs produced (%s15q05_to_eggs_per_month% : %s15q05% trays x 30 days x 30 days).
- V5 self>=0
- M5 Error! the quantity of eggs consumed can not be negative. Correct.

VARIABLE

STRING

period_of_egg_consumption

((SCREENING==2 && s15q02==0) || SCREENING==1) && (@rowcode==8 || @rowcode==14) && s15q01b>0 ? "katika kipindi cha miezi ambayo mayai yalizalishwa" : "kutoka oktoba 2023 mpaka septemba 2024"

VARIABLE s15q05*s30*30	DOUBLE	s15q05_to_eggs_per_month
VARIABLE s15q01b*s15q07	LONG	total_flock_eggs_clutch
VARIABLE @rowcode==7 ? "kwa mtago mmoja" : "kwa mwezi mmoja" //kwa mtago mmoja==per clutching period, //kwa mwezi mmoja = per month	STRING	clutching_month

STATIC TEXT

E IsAnswered(s15q09) && !(@rowcode==7 && SCREENING==2 && s15q02==1) // IsAnswered(s15q09)

Total eggs remained after household Consumptions = %remained_eggs%

VARIABLE (@rowcode==7 && SCREENING==1) ? (egg_produced - (s15q09*s15q06)) : (@rowcode.InList(8,14) && SCREENING==1) ? (egg_produced-(s15q09*s15q04a)) : (@rowcode==7 && SCREENING==2 && s15q02==1) ? (egg_produc	DOUBLE	remained_eggs
And 273 other symbols [9]		

VARIABLE (@rowcode == 7 && SCREENING==1) ? s15q01b * s15q06 * s15q07 : (@rowcode.InList(8,14) && SCREENING==1) ? s15q04a*s15q05*s30*30 : (@rowcode==7 && SCREENING==2 && s15q02==1) ? s15q03: (@rowcode==7 && SC	DOUBLE	egg_produced
And 218 other symbols [10]		

s15q10 - Did the household/farm sell any %rosteritle% eggs from October 2023 to September 2024?	SINGLE-SELECT	s15q10
E remained_eggs>0 ((@rowcode==7 && SCREENING==2 && s15q02==1) && s15q09<s15q03)	01 <input type="radio"/> Yes 00 <input type="radio"/> No	

s15q11 - How many eggs from %rosteritle% did the household/farm sell on average <u>per clutching period</u> from October 2023 to September 2024?	NUMERIC: INTEGER	s15q11
E s15q10==1 && @rowcode==7	-----	
V1 (@rowcode==7 && SCREENING==2 && s15q02==1) ? (self <= s15q01b*s30*4 && self <= (s15q03 - s15q09)) : eggs_sold <= remained_eggs		
M1 Error! the quantity sold can not be greater than the quantity produced minus quantity consumed. Please correct!		
V2 self > 0		
M2 Error! The quantity sold must be greater than 0. Please correct!		

VARIABLE s15q11*s15q06	LONG	eggs_sold
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VARIABLE s15q11*s15q06	LONG	eggs_consumed_clutches
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s15q12 - How many trays from %rosteritle% did the household/farm sell on average <u>per month</u> %period_of_egg_consumption% ?	NUMERIC: DECIMAL	s15q12
I A tray contains 30 eggs	-----	
E s15q10==1 && (@rowcode==8 @rowcode==14)		
V1 self>=0		
M1 Error! the number of trays sold can not be negative. Correct		

STATIC TEXT

E IsAnswered(s15q12)

Number of trays sold for ALL months converted to eggs is equivalent to %tray_eggs% eggs

VARIABLE IsAnswered(s15q04a) ? s15q12*s15q04a*30 : (@rowcode==7 & s15q02==1) ? s15q12*4*30 : s15q12*12*30	DOUBLE tray_eggs
--------------------------------------------------------------------------------------------------------------	---------------------

STATIC TEXT

E tray_eggs>remained_eggs && IsAnswered(s15q09) && (IsAnswered(s15q11) || IsAnswered(s15q12))
V1 tray_eggs<=remained_eggs
M1 Error! the total number of eggs from %s15q12% trays of %rosteritle% eggs sold per year is %tray_eggs%. This should not exceeds the total eggs re
mained after consumption (which is %remained_eggs%), Please review s15q12.

Error Message

s15q13 - What was the average unit price of on e %rosteritle% egg sold from October 2023 to September 2024? I Unit price in (TZS) E s15q11>0 && @rowcode==7 V1 self >= 200 M1 Error. The unit price of one %rosteritle% is too low. Please correct! V2 (TZ_ZAN==2 && self <= 1500) (TZ_ZAN==1 && self <= 1000) M2 Error. The unit price of one %rosteritle% is too high. Please correct!	NUMERIC: DECIMAL s15q13 -----
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VARIABLE (@rowcode == 7) ? (s15q09*s15q06) + s15q11 : 0 //(rowcode.InList(8,14)) ? ((s15q09*s15q04a) + (s15q12*30)) : 0	DOUBLE total_consumed_sold
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VARIABLE total_consumed_sold	DOUBLE consumed_sold_year
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s15q14 - What was the average unit price of on e %rosteritle% tray sold from October 2023 to September 2024? I Unit price in (TZS), Tray of 30 eggs E s15q12>0 && (@rowcode==8 @rowcode==14) V1 (@rowcode==8 && self >= 7000) (@rowcode==14 && self >= 6000) M1 Error. The average unit price is too low. Please correct! V2 self <= 15000 M2 Error. The average unit price is too high. Please correct!	NUMERIC: DECIMAL s15q14 -----
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End Time for Section 15 E IsAnswered(InterviewStart_Sec15) V1 self > InterviewStart_Sec15 M1 Error. The end time must always be ahead of start time. Correct	DATE: CURRENT TIME InterviewEnd_Sec15 -----
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VARIABLE (float)InterviewEnd_Sec15.Value.Subtract(InterviewStart_Sec15.Value).TotalMinutes	DOUBLE duration_section15
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SECTION 16: OTHER LIVESTOCK PRODUCTS

sec16

E s1q07==1 || s1q08==1

<p>Start Time for Section 16</p>	<p>DATE: CURRENT TIME InterviewStart_Sec16</p>
<p>s16q01 - Did this <u>household/farm</u> produce any of the following livestock product types from October 2023 to September 2024?</p> <p>I *Read answers. *Select all that apply. F (@optioncode.InList(1,2,0) && s1q08==1) (@optioncode.InList(5,0) && s1q07==1) V1 self.ContainsOnly(0) (self.ContainsAny(1,2,5) && !self.Contains(0)) M1 Cannot select "None of the above" with any other product.</p>	<p>MULTI-SELECT s16q01</p> <p>01 <input type="checkbox"/> Sting bee honey 02 <input type="checkbox"/> Stingless bee honey 05 <input type="checkbox"/> Animal dung from ruminant s and poultry 00 <input type="checkbox"/> None of the above</p>

SECTION 16: OTHER LIVESTOCK PRODUCTS

Roster: OTHER LIVESTOCK PRODUCTS - %ROSTERTITLE%

generated by multi-select question s16q01

sec16_otherproducts

E @rowcode!=0

<p>s16q02a - How many <u>local</u> bee hives of %roster title% did this <u>household/farm</u> have from October 2023 to September 2024?</p> <p>E @rowcode.InList(1,2) W1 self<=1000 M1 Warning!, the values seems to be too high. Please Confirm! V2 self>=0 M2 Error! the amount reported must be 0 or higher. Please correct!</p>	<p>NUMERIC: INTEGER s16q02a</p> <p>-----</p> <p>SPECIAL VALUES 00 NONE</p>
<p>s16q02b - How many <u>improved/modern</u> bee hives of %roster title% did this <u>household/farm</u> have from October 2023 to September 2024?</p> <p>E @rowcode.InList(1,2) V1 null_hives == false M1 Error! The household/Farm reported bee honey production but indicate no bee hives here. Please correct! W2 self<=1000 M2 Warning!, the values seems to be high. Please Confirm. V3 self>=0 M3 Error! the amount reported must be 0 or higher. Please correct!</p>	<p>NUMERIC: INTEGER s16q02b</p> <p>-----</p> <p>SPECIAL VALUES 00 NONE</p>
<p>VARIABLE s16q02a == 0 && s16q02b == 0</p>	<p>BOOLEAN null_hives</p>
<p>s16q03 - What is the quantity of %roster title% produced from October 2023 to September 2024?</p> <p>E @rowcode.InList(1,2) V1 (@rowcode==1 && self.InRange(0,10000)) (@rowcode==2 && self.InRange(0,10000)) (@rowcode==3 && self.InRange(0,10000)) (@rowcode==4 && self.InRange(0,10000)) (@rowcode==5 && self.InRange(0,1 And 49 other symbols [14]) M1 Error! quantity reported is out of range. Please correct! W2 self<=10000 M2 Warning! the quantity seems to be too high. Please confirm!</p>	<p>NUMERIC: DECIMAL s16q03</p> <p>-----</p>

<p>s16q03_unit - UNIT</p> <p>E s16q03>0</p>	<p>SINGLE-SELECT s16q03_unit</p> <p>01 <input type="radio"/> KG</p> <p>03 <input type="radio"/> Tonnes</p> <p>02 <input type="radio"/> Litres</p>
<p>VARIABLE</p> <p>s16q03_unit == 1 ? s16q03 : s16q03_unit == 2 ? s16q03 * 1.4: s16q03_unit == 3 ? s16q03 * 1000 : 0</p>	<p>DOUBLE s16q03_KG</p>
<p>VARIABLE</p> <p>s16q03_unit == 1 ? s16q03 * 0.714285714: s16q03_unit == 2 ? s16q03 : s16q03_unit == 3 ? s16q03 * 714.29 : 0</p>	<p>DOUBLE s16q03_unit_litres</p>
<p>VARIABLE</p> <p>s16q03_unit == 1 ? s16q03 /1000 : s16q03_unit == 2 ? s16q03 /1400: s16q03_unit == 3 ? s16q03 : 0</p>	<p>DOUBLE s16q03_unit_tonnes</p>
<p>s16q04 - Did this household/farm sell any roster from October 2023 to September 2024?</p> <p>E s16q03>0 @rowcode==5</p>	<p>SINGLE-SELECT s16q04</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>s16q05 - What is the quantity of roster in s16q03_unit sold from October 2023 to September 2024?</p> <p>E s16q04==1 && @rowcode.InList(1,2)</p> <p>V1 self>=0</p> <p>M1 Error, the quantity specified must be 0 or higher. please correct!</p> <p>W2 self<=10000</p> <p>M2 Warning!, the Quantity sold seems to be too high. Please confirm!</p> <p>V3 self <= s16q03</p> <p>M3 Error! The quantity sold can not exceed the quantity produced (%s16q03%). Please correct</p>	<p>NUMERIC: DECIMAL s16q05</p> <p>-----</p>
<p>s16q06d - What was the average price of the roster per s16q03_unit sold from October 2023 to September 2024?</p> <p>I *TZS</p> <p>E s16q04 == 1 && @rowcode.InList(1,2)</p> <p>V1 self>=0</p> <p>M1 Error! The price must be 0 or higher. Please correct!</p> <p>W2 (@rowcode==1 && self <= 25000) @rowcode!=1</p> <p>M2 Warning! the price seems high for roster. Please confirm.</p> <p>V3 (@rowcode==2 && self >= 3000) @rowcode!=2</p> <p>M3 Error!, the amount reported seems low. Please correct!</p> <p>V4 (@rowcode==2 && self <=50000) @rowcode!=2</p> <p>M4 Error! the price seems very high for roster. Please correct!.</p>	<p>NUMERIC: INTEGER s16q06d</p> <p>-----</p>
<p>s16q06e - What is the total value of the sales of manure obtained in the 2023/24 agricultural year?</p> <p>I *TZS</p> <p>E @rowcode==5 && s16q04 == 1</p> <p>V1 self>0</p> <p>M1 Error! the response on [s16q04] (s16q04) is yes. The price must be greater than zero</p>	<p>NUMERIC: DECIMAL s16q06e</p> <p>-----</p>
<p>End Time for Section 16</p> <p>E IsAnswered(InterviewStart_Sec16)</p> <p>V1 self > InterviewStart_Sec16</p> <p>M1 Error. The end time must always be ahead of start time. Correct</p>	<p>DATE: CURRENT TIME InterviewEnd_Sec16</p> <p>-----</p>

VARIABLE
(float)InterviewEnd_Sec16.Value.Subtract(InterviewStart_Sec16.Value).TotalMinutes

DOUBLE

duration_section16

SECTION 17: AQUACULTURE PRODUCTION

sec17

E //VAR0 == true && s1q09==1 s1q09==1 && VAR0==true

Start Time for Section 17	DATE: CURRENT TIME	InterviewStart_Sec17
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STATIC TEXT

ENUMERATOR READ: In the next sections, I will ask you about your aquaculture activity from October 2023 to September 2024.

<p>s17q01a - Which type of aquaculture did your household/farm engaged - in from October 2023 to September 2024</p> <p>I *Read answers *Select all that apply</p>	<p>MULTI-SELECT s17q01a</p> <p>01 <input type="checkbox"/> Milkfish</p> <p>02 <input type="checkbox"/> Tilapia</p> <p>03 <input type="checkbox"/> Rainbow Trout</p> <p>04 <input type="checkbox"/> Lungfish</p> <p>05 <input type="checkbox"/> African catfish</p> <p>06 <input type="checkbox"/> Prawns</p> <p>07 <input type="checkbox"/> Crabs</p> <p>08 <input type="checkbox"/> Seaweed</p> <p>09 <input type="checkbox"/> Sea cucumber</p> <p>99 <input type="checkbox"/> Other (Specify)</p>
<p>s17q01a_other - Specify</p> <p>E s17q01a.Contains(99)</p>	<p>TEXT s17q01a_other</p> <p>.....</p>

SECTION 17: AQUACULTURE PRODUCTION

Roster: AQUACULTURE PRODUCTION - %ROSTERTITLE%

generated by multi-select question [s17q01a](#)

s17_aquaculture

<p>s17q01b - What was the main source of %seweed_display% for the %rosteritle% collected from October 2023 to September 2024?</p> <p>E @rowcode.InList(1,2,3,4,5)</p>	<p>MULTI-SELECT: ORDERED s17q01b</p> <p>01 <input type="checkbox"/> Own source</p> <p>02 <input type="checkbox"/> Neighbor</p> <p>03 <input type="checkbox"/> Government institution</p> <p>04 <input type="checkbox"/> Private trade</p> <p>05 <input type="checkbox"/> NGO/project</p> <p>06 <input type="checkbox"/> Natural water sources</p> <p>99 <input type="checkbox"/> Other (Specify)</p>
<p>VARIABLE</p> <p>@rowcode==8 ? "mbegu" : "vifaranga" //vifaranga= fingerlings and mbegu==seeds</p>	<p>STRING seweed_display</p>
<p>s17q01b_other - Other (Specify)</p> <p>E s17q01b.Contains(99)</p>	<p>TEXT s17q01b_other</p> <p>.....</p>

<p>s17q1b_1 - Did your household/farm harvested any quantity of %rosteritle% from October 2023 to September 2024?</p>	<p>SINGLE-SELECT s17q1b_1</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>s17q01c - Between October 2023 and September 2024, in which months did you harvest %rosteritle%?</p> <p>I TICK ALL THAT APPLY</p> <p>E @rowcode.InList(1,2,3,4,5,6,7,8,9) && s17q1b_1==1</p>	<p>MULTI-SELECT s17q01c</p> <p>13 <input type="checkbox"/> October 2023</p> <p>14 <input type="checkbox"/> November 2023</p> <p>15 <input type="checkbox"/> December 2023</p> <p>01 <input type="checkbox"/> January 2024</p> <p>02 <input type="checkbox"/> February 2024</p> <p>03 <input type="checkbox"/> March 2024</p> <p>04 <input type="checkbox"/> April 2024</p> <p>05 <input type="checkbox"/> May 2024</p> <p>06 <input type="checkbox"/> June 2024</p> <p>07 <input type="checkbox"/> July 2024</p> <p>08 <input type="checkbox"/> August 2024</p> <p>09 <input type="checkbox"/> September 2024</p>

SECTION 17: AQUACULTURE PRODUCTION / AQUACULTURE PRODUCTION - %ROSTERTITLE%

Roster: COLLECTION - %ROSTERTITLE%

generated by multi-select question [s17q01c](#)

collection_roster

<p>q17q02 - What is the total quantity of %s17_aquaculture% (in KG) collected during the month of %rosteritle%?</p> <p>W1 self<=10000</p> <p>M1 Warning! the quantity seems to be too high. Please confirm!</p> <p>V2 self>=0</p> <p>M2 Error!, the quantity can be negative, Please Correct!</p>	<p>NUMERIC: INTEGER s17q02</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>00 NONE</p>
<p>s17q03 - From October 2023 to September 2024, what percentage or proportion of the %rosteritle% collected was consumed by this household/farm?</p> <p>I *%</p> <p>E s17q1b_1==1</p> <p>V1 self.InRange(0,100)</p> <p>M1 Error! Percentage must range between 0 and 100.</p>	<p>NUMERIC: INTEGER s17q03</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>100 All - 100%</p> <p>075 Three-quarters - 75%</p> <p>050 Half - 50%</p> <p>025 One quarter - 25%</p> <p>000 None - 0%</p>
<p>s17q04 - From October 2023 to September 2024, did the household/farm sell any of the %rosteritle% collected?</p> <p>E s17q1b_1==1</p>	<p>SINGLE-SELECT s17q04</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

s17q05 - From October 2023 to September 2024, what percentage or proportion of **%rosteritle%** did the household/farm sell?

NUMERIC: INTEGER

s17q05

SPECIAL VALUES

- 100 All - 100%
- 075 Three-quarters - 75%
- 050 Half - 50%
- 025 One quarter - 25%
- 000 None - 0%

- I *%
- E s17q04 == 1
- V1 self > 0 && self <= (100 - (s17q03 ?? 0))
- M1 Error. The sum of the percentage consumed and sold cannot exceed 100. Please correct
- V2 self.InRange(0,100)
- M2 Error!Percentage must range between 0 and 100

s17q06c - What was the average price of the **%rosteritle%** per kg sold from October 2023 to September 2024?

NUMERIC: INTEGER

s17q06c

- I TZS
- E s17q04 == 1
- V1 self > 0
- M1 Error! The amount can not be negative. Please correct!
- W2 self < 20000
- M2 Warning! The amount seems to be too high. Please confirm.

End Time for Section 17

DATE: CURRENT TIME

InterviewEnd_Sec17

- E IsAnswered(InterviewStart_Sec17)
- V1 self > InterviewStart_Sec17
- M1 Error. The end time must always be ahead of start time. Correct

VARIABLE
(float)InterviewEnd_Sec17.Value.Subtract(InterviewStart_Sec17.Value).TotalMinutes

DOUBLE

duration_section17

SECTION 20: BUILDINGS OR STRUCTURES FOR AGRICULTURE

E VAR0 == true

<p>Start Time for Section 20</p>	<p>DATE: CURRENT TIME InterviewStart_Sec20</p> <p>.....</p>
<p>s20q01 - In the agricultural year 2023/24, did your household/farm use any building or structure for storing crops, seeds or livestock or to perform agriculture related activities? (e.g., storing fertilisers, milking animals, etc.)</p> <p>I Please consider also the household dwelling, if this is used for agriculture. Please include also community structures.</p>	<p>SINGLE-SELECT s20q01</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>s20q01a - Which of the following [buildings or structures] did your household/farm use during the past agricultural year 2023/24 for storing crops, seeds or livestock or to perform agriculture related activities (e.g., storing fertilizers, milking animals, etc.)</p> <p>I Include in the list the household dwelling, if this is used for agriculture. E s20q01==1</p>	<p>MULTI-SELECT s20q01a</p> <p>01 <input type="checkbox"/> Traditional grain silos...</p> <p>02 <input type="checkbox"/> Warehouse (grain. Fertilizer s, animal feeds)...</p> <p>03 <input type="checkbox"/> Store...</p> <p>04 <input type="checkbox"/> Cold storage rooms...</p> <p>05 <input type="checkbox"/> Greenhouses/screen house S...</p> <p>06 <input type="checkbox"/> Grain cribs...</p> <p>07 <input type="checkbox"/> Machinery sheds...</p> <p>08 <input type="checkbox"/> Crop drying sheds...</p> <p>09 <input type="checkbox"/> Packhouses...</p> <p>11 <input type="checkbox"/> Composting facilities...</p> <p>12 <input type="checkbox"/> Silage pits/bunkers...</p> <p>13 <input type="checkbox"/> Milking parlors...</p> <p>14 <input type="checkbox"/> Livestock barns (Cattle, goats, sheep, pigs, poultry)...</p> <p>15 <input type="checkbox"/> Skin drying sheds...</p> <p>16 <input type="checkbox"/> Slaughterhouse...</p> <p>17 <input type="checkbox"/> Slaughter slab...</p> <p>And 14 other symbols [16]</p>

SECTION 20: BUILDINGS OR STRUCTURES FOR AGRICULTURE
 Roster: BUILDING OR STRUCTURE - %ROSTERTITLE%
 generated by multi-select question [s20q01a](#)

buildings_roster

<p>s20q03 - What did you use this %rostartitle% for?</p> <p>I TICK ALL THAT APPLY</p> <p>E s20q03.Contains(16)</p>	<p>MULTI-SELECT s20q03</p> <p>01 <input type="checkbox"/> Storing crops</p> <p>04 <input type="checkbox"/> Processing of crops</p> <p>05 <input type="checkbox"/> Storing plant protection products</p> <p>06 <input type="checkbox"/> Storing fertilizers</p> <p>07 <input type="checkbox"/> Storing crop-related machinery and equipment</p> <p>08 <input type="checkbox"/> Housing of poultry</p> <p>09 <input type="checkbox"/> Housing of livestock other than poultry</p> <p>10 <input type="checkbox"/> Milking</p> <p>11 <input type="checkbox"/> Production of dairy products</p> <p>12 <input type="checkbox"/> Meat production (slaughtering and first cuts)</p> <p>13 <input type="checkbox"/> Meat processing</p> <p>14 <input type="checkbox"/> Preparation of hides and skins</p> <p>15 <input type="checkbox"/> Storage for livestock-related machinery and equipment</p> <p>16 <input type="checkbox"/> Other crop uses</p> <p>17 <input type="checkbox"/> Other livestock uses.....</p> <p>18 <input type="checkbox"/> Storage of aquaculture products</p> <p>And 3 other symbols [17]</p>
<p>s20q03_other - Specify Other crop uses</p> <p>E s20q03.Contains(16)</p>	<p>TEXT s20q03_other</p> <p>.....</p>
<p>s20q03b_other - Specify Other livestock uses</p> <p>E s20q03.Contains(17)</p>	<p>TEXT s20q03b_other</p> <p>.....</p>
<p>s20q04 - What method of storage did you use in this %rostartitle% for storing crops?</p> <p>I TICK THAT APPLY</p> <p>E s20q03.Contains(1)</p>	<p>MULTI-SELECT s20q04</p> <p>01 <input type="checkbox"/> Pots</p> <p>02 <input type="checkbox"/> Sacks</p> <p>03 <input type="checkbox"/> Air tight sacks (pics bags)</p> <p>04 <input type="checkbox"/> Open drum</p> <p>05 <input type="checkbox"/> Air tight drum</p> <p>06 <input type="checkbox"/> Heaped on the ground</p> <p>99 <input type="checkbox"/> Other (specify)</p>
<p>s20q04_other - Specify other type of storage used</p> <p>E s20q04.Contains(99)</p>	<p>TEXT s20q04_other</p> <p>.....</p>

<p>s20q05 - What is the tenure of this <u>%rosteritle%</u>?</p>	<p>SINGLE-SELECT s20q05</p> <p>01 <input type="radio"/> OWNED</p> <p>02 <input type="radio"/> RENTED</p> <p>03 <input type="radio"/> OWNED BY THE GOVERNMENT</p> <p>04 <input type="radio"/> OWNED BY THE COMMUNITY</p> <p>05 <input type="radio"/> COOPERATIVES</p> <p>99 <input type="radio"/> USED UNDER ANOTHER ARRANGEMENT (specify)</p>
<p>s20q05_other - Specify other tenure type</p> <p>E s20q05==99</p>	<p>TEXT s20q05_other</p> <p>.....</p>
<p>s20q07a - How many bags of <u>maize</u> could you store in this <u>%rosteritle%</u>, regardless of what you actually stored?</p> <p>I STORAGE CAPACITY SHALL BE REPORTED IN MAIZE BAGS, REGARDLESS OF WHAT THE FARM ACTUALLY STORED.</p> <p>E s20q03.Contains(1)</p> <p>V1 self>0</p> <p>M1 The number of bags must be higher than 0</p>	<p>NUMERIC: INTEGER s20q07a</p> <p>-----</p>
<p>s20q07b_unit - UNIT</p> <p>E IsAnswered(s20q07a)</p>	<p>SINGLE-SELECT s20q07b_unit</p> <p>01 <input type="radio"/> 25 KG BAGS</p> <p>02 <input type="radio"/> 50 KG BAGS</p> <p>03 <input type="radio"/> 100 KG BAGS</p> <p>04 <input type="radio"/> 120 KG BAGS</p>
<p>s20q08 - Did you own any other building or structures for agricultural activities that you did not use in the past agricultural year 2023/24??</p> <p>E s20q01a.Length == buildings_roster.Count(x=>IsAnswered(x.s20q03))</p>	<p>SINGLE-SELECT s20q08</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>s20q09 - How many were they?</p> <p>E s20q08==1</p> <p>V1 self>0</p> <p>M1 The number must be higher than 0</p>	<p>NUMERIC: INTEGER s20q09</p> <p>-----</p>
<p>End Time for Section 20</p> <p>E IsAnswered(InterviewStart_Sec20)</p> <p>V1 self > InterviewStart_Sec20</p> <p>M1 Error. The end time must always be ahead of start time. Correct</p>	<p>DATE: CURRENT TIME InterviewEnd_Sec20</p> <p>.....</p>
<p>VARIABLE (float)InterviewEnd_Sec20.Value.Subtract(InterviewStart_Sec20.Value).TotalMinutes</p>	<p>DOUBLE duration_section20</p>

SECTION 21: MACHINERY AND EQUIPMENT USED FOR AGRICULTURE

E VAR0 == true

<p>Start Time for Section 21</p>	<p>DATE: CURRENT TIME InterviewStart_Sec21</p> <p>.....</p>
<p>s21q01 - Did you use any of the following INPU T_TYPE during the past agricultural year 2023/24?</p> <p>I *Report all irrigation equipment, regardless of ownership.

 *Report all irrigation equipment present on the house hold during the reference period, regardless of whether it wa And 155 other symbols [2]</p> <p>F (SCREENING==1 && @optioncode.InList(103, 105, 107, 108, 109, 110, 111, 112, 113, 114, 115, 117, 118, 120, 121, 124, 125, 127,129, 128, 130, 131)) (SCREENING==2 && @optioncode.InList(101, 102, 103, And 1215 other symbols [20]</p>	<p>MULTI-SELECT s21q01</p> <p>0101 <input type="checkbox"/> Seed/fertilizer drills -mannu al</p> <p>0102 <input type="checkbox"/> Transplanters - manual</p> <p>0103 <input type="checkbox"/> Threshers -manual</p> <p>0104 <input type="checkbox"/> Winnowers-Mannual</p> <p>0105 <input type="checkbox"/> Sprayers</p> <p>0107 <input type="checkbox"/> Hand pumps or other hand i rrigation devices</p> <p>0108 <input type="checkbox"/> Sheller - manual</p> <p>0109 <input type="checkbox"/> Hand hoe</p> <p>0110 <input type="checkbox"/> Rake</p> <p>0111 <input type="checkbox"/> Shovel</p> <p>0112 <input type="checkbox"/> Sickle</p> <p>0113 <input type="checkbox"/> Panga</p> <p>0114 <input type="checkbox"/> Slather-mannual operated</p> <p>0115 <input type="checkbox"/> Wheelbarrow</p> <p>0117 <input type="checkbox"/> Watering can</p> <p>0118 <input type="checkbox"/> Ropes</p> <p>And 68 other symbols [18]</p>
<p>s21q01a_other - Please specify the Other Manu ally operated equipment</p> <p>E s21q01.Contains(128)</p>	<p>TEXT s21q01a_other</p> <p>.....</p>
<p>s21q00b_Other - Please specify the Other Anim al-powered equipment</p> <p>E s21q01.Contains(299)</p>	<p>TEXT s21q00b_other</p> <p>.....</p>
<p>s21q00c_Other - Please specify the Other irriga tion equipment</p> <p>E s21q01.Contains(399)</p>	<p>TEXT s21q00c_other</p> <p>.....</p>
<p>s21q00d_other - Please specify the Other Mach ine-powered equipment : General farm use</p> <p>E s21q01.Contains(499)</p>	<p>TEXT s21q00d_other</p> <p>.....</p>
<p>s21q00e_other. Please specify the Other vehicl es</p> <p>E s21q01.Contains(599)</p>	<p>TEXT s21q00e_other</p> <p>.....</p>

<p>s21q00f_other - Please specify the Other land preparation and planting equipment</p> <p>E s21q01.Contains(699)</p>	<p>TEXT</p> <p>.....</p>	<p>s21q00f_other</p>
<p>s21q00g_other - Please specify the Other crop maintenance equipment</p> <p>E s21q01.Contains(799)</p>	<p>TEXT</p> <p>.....</p>	<p>s21q00g_other</p>
<p>s21q00h_other - Please specify the Other crop harvesting equipment</p> <p>E s21q01.Contains(899)</p>	<p>TEXT</p> <p>.....</p>	<p>s21q00h_other</p>
<p>s21q00i_other - Please specify the Other post-harvest equipment</p> <p>E s21q01.Contains(999)</p>	<p>TEXT</p> <p>.....</p>	<p>s21q00i_other</p>
<p>s21q00j_other - Please specify the Other livestock equipment</p> <p>E s21q01.Contains(1099)</p>	<p>TEXT</p> <p>.....</p>	<p>s21q00j_other</p>

SECTION 21: MACHINERY AND EQUIPMENT USED FOR AGRICULTURE
Roster: INPUT USE - %ROSTERTITLE%
generated by multi-select question [s21q01](#)

input_use_roster

<p>s21q02 - How many %roster% were used in the past agricultural year 2023/24?</p> <p>V1 self>0</p> <p>M1 The value entered must be higher than 0</p>	<p>NUMERIC: INTEGER</p> <p>-----</p>	<p>s21q02</p>
<p>s21q03 - For the %s21q02% %roster% you used, how many did you own solely?</p> <p>E s21q02>0</p> <p>V1 self.InRange(0, s21q02)</p> <p>M1 Error. The number must range from 0 to %s21q02%. Please correct!</p>	<p>NUMERIC: INTEGER</p> <p>-----</p>	<p>s21q03</p>
<p>s21q04 - What is the average age (in complete Years) of the %roster% you own?</p> <p>E @rowcode.InRange(301,1099) && s21q03>0</p> <p>V1 self>=0</p> <p>M1 Error!. Number of year can not be negative. please correct!</p> <p>W2 self<=20</p> <p>M2 Warning! the number of years seems to high. Please confirm</p>	<p>NUMERIC: INTEGER</p> <p>-----</p> <p>SPECIAL VALUES</p> <p>00 Less than one year</p>	<p>s21q04</p>
<p>VARIABLE</p> <p>s21q02-s21q03</p>	<p>LONG</p>	<p>un_owned</p>
<p>s21q05 - For the %s21q02% %roster% you used, how many did you co-own with another household/farm?</p> <p>E @rowcode.InRange(201,1099) && IsAnswered(s21q03) && un_owned>0</p> <p>V1 self.InRange(0, un_owned)</p> <p>M1 Error!. The number of co-owned must range from 0 to %un_owned%. Please correct!</p>	<p>NUMERIC: INTEGER</p> <p>-----</p>	<p>s21q05</p>

s21q06 - What is the average age (in complete Years) of the %rosteritle% you co-owned?

NUMERIC: INTEGER s21q06

SPECIAL VALUES
00 Less than one year

E @rowcode.InRange(401,1099) && s21q05>0
V1 self>=0
M1 Error!. Number of year can not be negative. please correct!
W2 self<=20
M2 Warning! the number of years seems to high. Please confirm

s21q07 - For the %s21q02% %rosteritle% you used in the 2023/24 agricultural year 2023/24, how many did you rent?

NUMERIC: INTEGER s21q07

E @rowcode.InRange(401,1099) && IsAnswered(s21q05) && (s21q02-(s21q03 + s21q05))>0
V1 self.InRange(0,(s21q02-(s21q03 + s21q05)))
M1 Error!. The number is out of range, confirm values entered at q03 and q05.

VARIABLE
(s21q03???) + (s21q05???) + (s21q07???)

LONG total_owned_coowned_rented

s21q08 - What was the total rent cost of all %rosteritle% you rented during the 2023/24 agricultural year ?

NUMERIC: DECIMAL s21q08

I (in TZS)
E @rowcode.InRange(401,1099) && s21q07>0
V1 self>0
M1 Error!. The value must be greater than 0. Please correct!

s21q09 - Did your household own and not use %rosteritle% in working conditions during the past agricultural year 2023/24?

SINGLE-SELECT s21q09

01 Yes
00 No

s21q10 - How many were they?

NUMERIC: INTEGER s21q10

E s21q09 == 1
V1 self>0
M1 Error! The value must be greater than 0. Please correct!

End Time for Section 21

DATE: CURRENT TIME InterviewEnd_Sec21

E IsAnswered(InterviewStart_Sec21)
V1 self > InterviewStart_Sec21
M1 Error. The end time must always be ahead of start time. Correct

VARIABLE
(float)InterviewEnd_Sec21.Value.Subtract(InterviewStart_Sec21.Value).TotalMinutes

DOUBLE duration_section21

END AGRICULTURAL INTERVIEW

SecEnd

E IsAnswered(InterviewEnd_Sec1)

<p>q1 - Status of the Interview</p> <p>V1 (CONSENT_START==0 && self==3) (CONSENT_START==1 && self.InList(1,2))</p> <p>M1 Mismatch!, if Consent is %CONSENT_START%</p>	<p>SINGLE-SELECT RESULT_AGRIC</p> <p>01 <input type="radio"/> Completed</p> <p>02 <input type="radio"/> Partially Completed</p> <p>03 <input type="radio"/> Not Interviewed</p>
<p>q2 - Reasons for not completing the Interview</p> <p>E RESULT_AGRIC.InList(2,3)</p>	<p>SINGLE-SELECT REASON_NON_COMPLETE</p> <p>01 <input type="radio"/> RESPONDENT HAD TO LEAVE</p> <p>E</p> <p>02 <input type="radio"/> RESPONDENT WAS BUSY</p> <p>03 <input type="radio"/> RESPONDENT DID NOT KNOW THE ANSWERS/NO COMMENT RESPONDENT</p> <p>04 <input type="radio"/> RESPONDENT REFUSED TO ANSWER</p> <p>99 <input type="radio"/> OTHER (SPECIFY)</p>
<p>q2_other - Specify</p> <p>E REASON_NON_COMPLETE == 99</p>	<p>TEXT REASON_NON_COMPLETE_OTHER</p> <p>.....</p>
<p>q3 - End of Interview</p>	<p>DATE: CURRENT TIME INTW_END</p> <p>.....</p>
<p>q4 - Interview Location</p>	<p>SINGLE-SELECT INTERVIEW_LOCATION</p> <p>01 <input type="radio"/> DWELLING</p> <p>02 <input type="radio"/> AGRICULTURAL BUILDING</p> <p>03 <input type="radio"/> AGRICULTURAL PARCEL</p>
<p>q5 - GPS coordinates of the interview location</p> <p>W1 \$tanzania</p> <p>M1 GPS co-ordinates seem to be outside of Tanzania, please check</p>	<p>GPS GPS_VISIT1</p> <p>-----</p> <p>N</p> <p>-----</p> <p>W</p> <p>-----</p> <p>A</p>

SECTION 22: WOMEN EMPOWERMENT AND NUTRITION (WEN)

E (numelig_m>0 && SELECT_SURVEY==1) || ((numelig_f>0 || numelig_f2>0) && SELECT_SURVEY==2)

Start Time for Section 22	DATE: CURRENT TIME	InterviewStart_Sec22
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STATIC TEXT

E numelig_m >0 && SELECT_SURVEY==1

Selected male aged btn 18 and 64 (SUBSAMPLE M) is : %name1%

STATIC TEXT

E numelig_f >0 && SELECT_SURVEY==2

Selected female aged btn 18 to 49 (SUBSAMPLE W) is : %name2%

STATIC TEXT

E numelig_f2 >0 && SELECT_SURVEY==2

Selected female aged btn 50 to 64 (SUBSAMPLE W) : %name3%

SECTION 22: WOMEN EMPOWERMENT AND NUTRITION (WEN)

Roster: WEN - %ROSTERTITLE%

generated by list question s2q01

WEN

E (@rowcode == randomRowcode && SELECT_SURVEY==1) || (@rowcode == randomRowcodeF && SELECT_SURVEY==2) || (@rowcode == randomRowcodeF2 && SELECT_SURVEY==2)

VARIABLE	LONG	person_code
@rowcode		

STATIC TEXT

E SELECT_SURVEY==1

ENUMERATOR READS:

Hello, my name is %ENUM_ID% from National Bureau of Statistics / Office of the Chief Government Statistician (Zanzibar).

We are conducting a national agricultural survey, and your household has been chosen to participate in this survey. The survey includes a questionnaire on the capacity of men and women to pursue their own goals, to influence decisions in the household and in the broader community, the use of technology, property rights, etc.

You have been randomly selected to respond to this questionnaire. The interview will last approximately 20 minutes. The collected information will be used by the government and other organizations for planning purposes. The household will not receive any benefit because of this interview. The information will be kept strictly confidential, and you may skip the questions that make you feel uncomfortable.

STATIC TEXT

E SELECT_SURVEY==2

ENUMERATOR READS:

Hello, my name is %ENUM_ID% from National Bureau of Statistics and Office of the Chief Government Statistician (Zanzibar).

We are conducting a national agricultural survey, and your household has been chosen to participate in this survey. The survey includes a questionnaire on the capacity of men and women to pursue their own goals, to influence decisions in the household and in the broader community, the use of technology, property rights, etc. Further, we ask about women's diet.

You have been randomly selected to respond to this questionnaire. The interview will last approximately 30 minutes. The collected information will be used by the government and other organizations for planning purposes. The household will not receive any benefit because of this interview. The information will be kept strictly confidential, and you may skip the questions that make you feel uncomfortable.

D00a. Does %rostartitle% consent to participate in this survey?

SINGLE-SELECT

d00a

- 01 Yes
- 00 No

<p>INTERVIEWER: Reason for refusing the interview</p> <p>E d00a==0</p>	<p>SINGLE-SELECT d001_refuse</p> <p>01 <input type="radio"/> No time to participate in the interview</p> <p>02 <input type="radio"/> Respondent does not want to be interviewed</p> <p>03 <input type="radio"/> Household head did not allow participation</p> <p>04 <input type="radio"/> Person is sick or physically/mentally impaired</p> <p>09 <input type="radio"/> Other (specify)</p>
<p>Specify other reason for interview refusal</p> <p>E d001_refuse==9</p>	<p>TEXT refusal_other</p> <p>.....</p>

SECTION 22: WOMEN EMPOWERMENT AND NUTRITION (WEN) / WEN - %ROSTERTITLE%
MODULE D: PAID AND UNPAID ACTIVITIES

E d00a==1

<p>START TIME</p>	<p>DATE: CURRENT TIME secd_StartTime</p> <p>.....</p>
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STATIC TEXT

E d00a==1

INTERVIEWER, READ ALOUD: Now I am going to ask you [%WEN%] about the activities you did over the past 7 days and how much influence you had over the time you spent on these activities
NOTE TO INTERVIEWER: When examples are given, they should be read exactly as written and should NOT be skipped.

<p>D01a. During the last 7 days, did you spend time on <u>Household duties, such as cooking, cleaning, washing clothes, or collecting water or cooking fuel</u> even if for one hour?</p> <p>E d00a==1</p>	<p>SINGLE-SELECT d01a</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>D02a. During the last 7 days, how much influence did you have in deciding the amount of time you spent on <u>Household duties, such as cooking, cleaning, washing clothes, or collecting water or cooking fuel</u>?</p> <p>E d01a==1</p>	<p>SINGLE-SELECT d02a</p> <p>01 <input type="radio"/> No influence</p> <p>02 <input type="radio"/> Some influence</p> <p>03 <input type="radio"/> A lot of influence</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>D01b. During the last 7 days, did you spend time on <u>Caring for household members, such as children or older family members</u> even if for one hour?</p> <p>E d00a==1</p>	<p>SINGLE-SELECT d01b</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>

<p>D02b. During the last 7 days, how much influence did you have in deciding the amount of time you spent on <u>Caring for household members, such as children or older family members?</u></p> <p>E d01b==1</p>	<p>SINGLE-SELECT d02b</p> <p>01 <input type="radio"/> No influence</p> <p>02 <input type="radio"/> Some influence</p> <p>03 <input type="radio"/> A lot of influence</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>D01c. During the last 7 days, did you spend time on <u>Going to the market to purchase essential items</u> even if for one hour?</p> <p>E d00a==1</p>	<p>SINGLE-SELECT d01c</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>D02c. During the last 7 days, how much influence did you have in deciding the amount of time you spent on <u>Going to the market to purchase essential items?</u></p> <p>E d01c==1</p>	<p>SINGLE-SELECT d02c</p> <p>01 <input type="radio"/> No influence</p> <p>02 <input type="radio"/> Some influence</p> <p>03 <input type="radio"/> A lot of influence</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>D01d. During the last 7 days, did you spend time on <u>Non-agricultural work activities, including working for pay, in cash or in kind, for someone else; running or doing any kind of business or other activity to earn income; and helping in a family business</u> even if for one hour?</p> <p>E d00a==1</p>	<p>SINGLE-SELECT d01d</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>D02d. During the last 7 days, how much influence did you have in deciding the amount of time you spent on <u>Non-agricultural work activities, including working for pay, in cash or in kind, for someone else; running or doing any kind of business or other activity to earn income; and helping in a family business?</u></p> <p>E d01d==1</p>	<p>SINGLE-SELECT d02d</p> <p>01 <input type="radio"/> No influence</p> <p>02 <input type="radio"/> Some influence</p> <p>03 <input type="radio"/> A lot of influence</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>D01e. During the last 7 days, did you spend time on <u>Commercial agricultural production, including working on the household farm to produce crop, livestock or fish products mainly for sale?</u></p> <p>E d00a==1</p>	<p>SINGLE-SELECT d01e</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>D02e. During the last 7 days, how much influence did you have in deciding the amount of time you spent on <u>Commercial agricultural production, including working on the household farm to produce crop, livestock or fish products mainly for sale?</u></p> <p>E d01e==1</p>	<p>SINGLE-SELECT d02e</p> <p>01 <input type="radio"/> No influence</p> <p>02 <input type="radio"/> Some influence</p> <p>03 <input type="radio"/> A lot of influence</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>

<p>D01f. During the last 7 days, did you spend time on <u>Agricultural production for household consumption, including: producing crop, livestock or fish products?</u></p> <p>E d00a==1</p>	<p>SINGLE-SELECT d01f</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>D02f. During the last 7 days, how much influence did you have in deciding the amount of time you spent on <u>Agricultural production for household consumption, including: producing crop, livestock or fish products?</u></p> <p>E d01f==1</p>	<p>SINGLE-SELECT d02f</p> <p>01 <input type="radio"/> No influence</p> <p>02 <input type="radio"/> Some influence</p> <p>03 <input type="radio"/> A lot of influence</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>END TIME</p> <p>E IsAnswered(Secd_StartTime)</p> <p>V1 self > Secd_StartTime</p> <p>M1 Error. The end time must always be ahead of start time. Correct</p>	<p>DATE: CURRENT TIME Secd_EndTime</p> <p>.....</p>
<p>VARIABLE</p> <p>(float)Secd_EndTime.value.Subtract(Secd_StartTime.value).TotalMinutes</p>	<p>DOUBLE Tot_D_Mins</p>

SECTION 22: WOMEN EMPOWERMENT AND NUTRITION (WEN) / WEN - %ROSTERTITLE%

MODULE E: PARTICIPATION AND LEADERSHIP IN COMMUNITY ORGANIZATIONS

E d00a==1

<p>START TIME</p>	<p>DATE: CURRENT TIME Sece_StartTime</p> <p>.....</p>
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STATIC TEXT

INTERVIEWER, READ ALOUD: Now, I will ask you about your participation in different types of organizations during the last 12 months.

<p>E01a. In the last 12 months, have you participated in <u>Government councils or agencies?</u></p>	<p>SINGLE-SELECT e01a</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p> <p>99 <input type="radio"/> DO NOT READ: Organization not present in this community</p>
<p>E02a. In the last 12 months, have you acted in a leadership position in <u>Government councils or agencies?</u></p> <p>E e01a==1</p>	<p>SINGLE-SELECT e02a</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>

<p>E01b. In the last 12 months, have you participated in <u>Groups that provide local services, such as resource user groups, community health and education service groups, or mutual aid groups?</u></p>	<p>SINGLE-SELECT e01b</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p> <p>99 <input type="radio"/> DO NOT READ: Organization not present in this community</p>
<p>E02b. In the last 12 months, have you acted in a leadership position in <u>Groups that provide local services, such as resource user groups, community health and education service groups, or mutual aid groups?</u></p>	<p>SINGLE-SELECT e02b</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>E e01b==1</p>	
<p>E01c. In the last 12 months, have you participated in <u>Formal or informal savings or credit groups, such as microfinance groups, village savings and loan associations (for example Upalu), or merry-go-round savings schemes?</u></p>	<p>SINGLE-SELECT e01c</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p> <p>99 <input type="radio"/> DO NOT READ: Organization not present in this community</p>
<p>E02c. In the last 12 months, have you acted in a leadership position in <u>Formal or informal savings or credit groups, such as microfinance groups, village savings and loan associations, or merry-go-round savings schemes (for example, Saccos)?</u></p>	<p>SINGLE-SELECT e02c</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>E e01c==1</p>	
<p>E01d. In the last 12 months, have you participated in <u>Groups related to livelihood activities, such as agricultural groups, cooperatives, and craft or trade associations?</u></p>	<p>SINGLE-SELECT e01d</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p> <p>99 <input type="radio"/> DO NOT READ: Organization not present in this community</p>
<p>E02d. In the last 12 months, have you acted in a leadership position in <u>Groups related to livelihood activities, such as agricultural groups, cooperatives, and craft or trade associations?</u></p>	<p>SINGLE-SELECT e02d</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>E e01d==1</p>	

<p>E01e. In the last 12 months, have you participated in <u>Other groups, such as religious groups, women or men's groups, or sports groups, etc.</u>?</p>	<p>SINGLE-SELECT e01e</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p> <p>99 <input type="radio"/> DO NOT READ: Organization not present in this community</p>
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<p>E02e. In the last 12 months, have you acted in a leadership position in <u>Other groups, such as religious groups, women or men's groups, or sports groups, etc.</u>?</p> <p>E e01e==1</p>	<p>SINGLE-SELECT e02e</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
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STATIC TEXT

E (numelig_f>0 || numelig_f2>0)

E03. INTERVIEWER, READ ALOUD: Please listen to the following statements and indicate how often this happens in your community:

<p>E03a. Women can really understand what is going on with your community (e.g., main social and political changes, etc.)</p> <p>E (numelig_f>0 numelig_f2>0)</p>	<p>SINGLE-SELECT e03a</p> <p>00 <input type="radio"/> Never</p> <p>01 <input type="radio"/> Sometimes</p> <p>02 <input type="radio"/> Often</p> <p>03 <input type="radio"/> Always</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
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<p>E03b. Women have the ability to participate effectively in community activities</p> <p>E (numelig_f>0 numelig_f2>0)</p>	<p>SINGLE-SELECT e03b</p> <p>00 <input type="radio"/> Never</p> <p>01 <input type="radio"/> Sometimes</p> <p>02 <input type="radio"/> Often</p> <p>03 <input type="radio"/> Always</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
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<p>E03c. Women have the ability to participate effectively in decision-making</p> <p>E (numelig_f>0 numelig_f2>0)</p>	<p>SINGLE-SELECT e03c</p> <p>00 <input type="radio"/> Never</p> <p>01 <input type="radio"/> Sometimes</p> <p>02 <input type="radio"/> Often</p> <p>03 <input type="radio"/> Always</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
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<p>E03d. It is important to women in this community that women actively participate in local women's issues</p> <p>E (numelig_f>0 numelig_f2>0)</p>	<p>SINGLE-SELECT e03d</p> <p>00 <input type="radio"/> Never</p> <p>01 <input type="radio"/> Sometimes</p> <p>02 <input type="radio"/> Often</p> <p>03 <input type="radio"/> Always</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>E03e. Most community leaders listen to women</p> <p>E (numelig_f>0 numelig_f2>0)</p>	<p>SINGLE-SELECT e03e</p> <p>00 <input type="radio"/> Never</p> <p>01 <input type="radio"/> Sometimes</p> <p>02 <input type="radio"/> Often</p> <p>03 <input type="radio"/> Always</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>STATIC TEXT</p> <p>E s2q02==1</p> <p>E04. INTERVIEWER, READ ALOUD: Please listen to the following statements and indicate how often this happens in your community:</p>	
<p>E04a. Men can really understand what is going on with your community (e.g., main social and political changes, etc.)</p> <p>E s2q02==1</p>	<p>SINGLE-SELECT e04a</p> <p>00 <input type="radio"/> Never</p> <p>01 <input type="radio"/> Sometimes</p> <p>02 <input type="radio"/> Often</p> <p>03 <input type="radio"/> Always</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>E04b. Men have the ability to participate effectively in community activities</p> <p>E s2q02==1</p>	<p>SINGLE-SELECT e04b</p> <p>00 <input type="radio"/> Never</p> <p>01 <input type="radio"/> Sometimes</p> <p>02 <input type="radio"/> Often</p> <p>03 <input type="radio"/> Always</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>E04c. Men have the ability to participate effectively in decision-making</p> <p>E s2q02==1</p>	<p>SINGLE-SELECT e04c</p> <p>00 <input type="radio"/> Never</p> <p>01 <input type="radio"/> Sometimes</p> <p>02 <input type="radio"/> Often</p> <p>03 <input type="radio"/> Always</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>

<p>E04d. It is important to men in this community that men actively participate in local men's issues</p> <p>E s2q02==1</p>	<p>SINGLE-SELECT e04d</p> <p>00 <input type="radio"/> Never</p> <p>01 <input type="radio"/> Sometimes</p> <p>02 <input type="radio"/> Often</p> <p>03 <input type="radio"/> Always</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>E04e. Most community leaders listen to men</p> <p>E s2q02==1</p>	<p>SINGLE-SELECT e04e</p> <p>00 <input type="radio"/> Never</p> <p>01 <input type="radio"/> Sometimes</p> <p>02 <input type="radio"/> Often</p> <p>03 <input type="radio"/> Always</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>END TIME</p> <p>E IsAnswered(Sece_StartTime)</p> <p>V1 self > Sece_StartTime</p> <p>M1 Error. The end time must always be ahead of start time. Correct</p>	<p>DATE: CURRENT TIME Sece_EndTime</p> <p>.....</p>
<p>VARIABLE</p> <p>(float)Sece_EndTime.Value.Subtract(Sece_StartTime.Value).TotalMinutes</p>	<p>DOUBLE Tot_E_Mins</p>

SECTION 22: WOMEN EMPOWERMENT AND NUTRITION (WEN) / WEN - %ROSTERTITLE%
MODULE F: LIFE TRANSITIONS AND AWARENESS OF RIGHTS

E d00a==1

<p>START TIME</p>	<p>DATE: CURRENT TIME Secf_StartTime</p> <p>.....</p>
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STATIC TEXT

F01. INTERVIEWER, READ ALOUD: Please listen to the following statements and indicate your level of agreement with each statement.

<p>F01a. Every woman should be free to choose whether to complete secondary school.</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT f01a</p> <p>00 <input type="radio"/> Fully disagree</p> <p>01 <input type="radio"/> Partly disagree</p> <p>03 <input type="radio"/> Fully agree</p> <p>02 <input type="radio"/> Partly agree</p> <p>97 <input type="radio"/> (DO NOT READ): Don't know</p> <p>98 <input type="radio"/> (DO NOT READ): Refused</p>
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<p>F01b. Every woman should be free to choose whether to work for pay.</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT f01b</p> <p>00 <input type="radio"/> Fully disagree</p> <p>01 <input type="radio"/> Partly disagree</p> <p>03 <input type="radio"/> Fully agree</p> <p>02 <input type="radio"/> Partly agree</p> <p>97 <input type="radio"/> (DO NOT READ): Don't know</p> <p>98 <input type="radio"/> (DO NOT READ): Refused</p>
<p>F01c. Every woman should be free to choose to prioritize her work for pay over domestic duties.</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT f01c</p> <p>00 <input type="radio"/> Fully disagree</p> <p>01 <input type="radio"/> Partly disagree</p> <p>03 <input type="radio"/> Fully agree</p> <p>02 <input type="radio"/> Partly agree</p> <p>97 <input type="radio"/> (DO NOT READ): Don't know</p> <p>98 <input type="radio"/> (DO NOT READ): Refused</p>
<p>F01d. Every woman should be free to choose what to do with any money that she earns.</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT f01d</p> <p>00 <input type="radio"/> Fully disagree</p> <p>01 <input type="radio"/> Partly disagree</p> <p>03 <input type="radio"/> Fully agree</p> <p>02 <input type="radio"/> Partly agree</p> <p>97 <input type="radio"/> (DO NOT READ): Don't know</p> <p>98 <input type="radio"/> (DO NOT READ): Refused</p>
<p>F01e. Every woman should be free to choose to purchase land, a house, or other valuable goods.</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT f01e</p> <p>00 <input type="radio"/> Fully disagree</p> <p>01 <input type="radio"/> Partly disagree</p> <p>03 <input type="radio"/> Fully agree</p> <p>02 <input type="radio"/> Partly agree</p> <p>97 <input type="radio"/> (DO NOT READ): Don't know</p> <p>98 <input type="radio"/> (DO NOT READ): Refused</p>
<p>F01f. Every woman should be free to choose when to get married.</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT f01f</p> <p>00 <input type="radio"/> Fully disagree</p> <p>01 <input type="radio"/> Partly disagree</p> <p>03 <input type="radio"/> Fully agree</p> <p>02 <input type="radio"/> Partly agree</p> <p>97 <input type="radio"/> (DO NOT READ): Don't know</p> <p>98 <input type="radio"/> (DO NOT READ): Refused</p>

<p>F01g. Every woman should be free to choose to divorce or end her marriage or relationship. .</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT f01g</p> <p>00 <input type="radio"/> Fully disagree</p> <p>01 <input type="radio"/> Partly disagree</p> <p>03 <input type="radio"/> Fully agree</p> <p>02 <input type="radio"/> Partly agree</p> <p>97 <input type="radio"/> (DO NOT READ): Don't know</p> <p>98 <input type="radio"/> (DO NOT READ): Refused</p>
<p>F01h. Every woman should be free to choose whether and when to have children.</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT f01h</p> <p>00 <input type="radio"/> Fully disagree</p> <p>01 <input type="radio"/> Partly disagree</p> <p>03 <input type="radio"/> Fully agree</p> <p>02 <input type="radio"/> Partly agree</p> <p>97 <input type="radio"/> (DO NOT READ): Don't know</p> <p>98 <input type="radio"/> (DO NOT READ): Refused</p>
<p>F01i. Every woman should be free to choose not to have any more children.</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT f01i</p> <p>00 <input type="radio"/> Fully disagree</p> <p>01 <input type="radio"/> Partly disagree</p> <p>03 <input type="radio"/> Fully agree</p> <p>02 <input type="radio"/> Partly agree</p> <p>97 <input type="radio"/> (DO NOT READ): Don't know</p> <p>98 <input type="radio"/> (DO NOT READ): Refused</p>
<p>END TIME</p> <p>E IsAnswered(Secf_StartTime)</p> <p>V1 self > Secf_StartTime</p> <p>M1 Error. The end time must always be ahead of start time. Correct</p>	<p>DATE: CURRENT TIME Secf_EndTime</p> <p>.....</p>
<p>VARIABLE</p> <p>(float)Secf_EndTime.value.Subtract(Secf_StartTime.value).TotalMinutes</p>	<p>DOUBLE Tot_F_Mins</p>

SECTION 22: WOMEN EMPOWERMENT AND NUTRITION (WEN) / WEN - %ROSTERTITLE%

MODULE G: ACCESS AND OWNERSHIP OF RESOURCES

E d00a==1

<p>START TIME</p>	<p>DATE: CURRENT TIME Secg_StartTime</p> <p>.....</p>
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STATIC TEXT

INTERVIEWER, READ ALOUD: Now, I am going to ask about your use of different financial services.

STATIC TEXT

G01. In the past 12 months, have you ever:

G01a. Used any mobile money account, either yours or anyone else's, to make a payment, buy something, or send money to someone?	<p>SINGLE-SELECT g01a</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
G01b. Deposited or received money into or withdrawn money from any bank account, either yours or anyone else's?	<p>SINGLE-SELECT g01b</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
G01c. Used any bank card, or ATM card, either yours or anyone else's, to make a purchase or pay a bill such as a utility bill?	<p>SINGLE-SELECT g01c</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
G01d. Used any credit card, either yours or anyone else's, to make a purchase or pay a bill such as a utility bill?	<p>SINGLE-SELECT g01d</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>

STATIC TEXT

INTERVIEWER, READ ALOUD: Now, I am going to ask you about loans from different types of lenders.

STATIC TEXT

G02. If you needed it, could you take a loan from any of the following:

G02a. Bank or formal financial institution	<p>SINGLE-SELECT g02a</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
G02b. Cooperative	<p>SINGLE-SELECT g02b</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
G02c. Group based micro-finance/micro-credit	<p>SINGLE-SELECT g02c</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
G02d. Informal credit / savings groups, such as private moneylenders, a village savings and loan group (for example Upalu), merry-go-rounds, or funeral societies	<p>SINGLE-SELECT g02d</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>

G02e. Other NGO program	SINGLE-SELECT g02e 01 <input type="radio"/> Yes 02 <input type="radio"/> No 98 <input type="radio"/> DO NOT READ: Refused
END TIME E IsAnswered(Secg_StartTime) V1 self > Secg_StartTime M1 Error. The end time must always be ahead of start time. Correct	DATE: CURRENT TIME Secg_EndTime
VARIABLE (float)Secg_EndTime.Value.Subtract(Secg_StartTime.Value) .TotalMinutes	DOUBLE Tot_G_Mins

SECTION 22: WOMEN EMPOWERMENT AND NUTRITION (WEN) / WEN - %ROSTERTITLE%
MODULE H: PROPERTY OWNERSHIP

E d00a==1

START TIME	DATE: CURRENT TIME Sech_StartTime
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STATIC TEXT

INTERVIEWER, READ ALOUD: Now I am going to ask you about your rights over agricultural land and your dwelling

H01. Do you own or hold use rights to <u>any agricultural parcels of land</u> , either alone or jointly with someone else?. This refers to all the parcels you can have rights to, either alone or together with others. I Agricultural land includes also backyard gardens READ RESPONSE OPTIONS	SINGLE-SELECT h01 01 <input type="radio"/> Yes, alone 02 <input type="radio"/> Yes, jointly 03 <input type="radio"/> Yes, both alone and jointly 04 <input type="radio"/> No 98 <input type="radio"/> DO NOT READ: Refused
H02. Do you have the right, either alone or jointly with someone else, to sell <u>any agricultural parcels of land</u> ? I READ RESPONSE OPTIONS E h01.InList(1,2,3)	SINGLE-SELECT h02 01 <input type="radio"/> Yes, alone 02 <input type="radio"/> Yes, jointly 03 <input type="radio"/> Yes, both alone and jointly 04 <input type="radio"/> No 97 <input type="radio"/> DO NOT READ: Don't know 98 <input type="radio"/> DO NOT READ: Refused
H03. Do you have the right, either alone or jointly with someone else, to give any agricultural parcels of land by oral or written will, to other persons after your death? I READ RESPONSE OPTIONS E h01.InList(1,2,3)	SINGLE-SELECT h03 01 <input type="radio"/> Yes, alone 02 <input type="radio"/> Yes, jointly 03 <input type="radio"/> Yes, both alone and jointly 04 <input type="radio"/> No 97 <input type="radio"/> DO NOT READ: Don't know 98 <input type="radio"/> DO NOT READ: Refused

<p>H04. Is there a document for any agricultural parcels that is issued by or registered at the Land Registry/ Cadastral Agency, such as a purchase certificate or a lease or rental contract?</p> <p>E h01.InList(1,2,3)</p>	<p>SINGLE-SELECT h04</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>H05. Is your name listed on any of these documents as an owner or use right holder, either alone or jointly with someone else?</p> <p>I READ RESPONSE OPTIONS</p> <p>E h04==1</p>	<p>SINGLE-SELECT h05</p> <p>01 <input type="radio"/> Yes, alone</p> <p>02 <input type="radio"/> Yes, jointly</p> <p>03 <input type="radio"/> Yes, both alone and jointly</p> <p>04 <input type="radio"/> No</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>H06a. How likely are you to involuntarily lose ownership of any land you currently own in the next 5 years?</p> <p>I READ RESPONSE OPTIONS</p> <p>E h01.InList(1,2,3)</p>	<p>SINGLE-SELECT h06a</p> <p>01 <input type="radio"/> Not all likely</p> <p>02 <input type="radio"/> Slightly likely</p> <p>03 <input type="radio"/> Moderately likely</p> <p>04 <input type="radio"/> Very likely</p> <p>05 <input type="radio"/> Extremely likely</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>H06b. How likely are you to involuntarily lose the right to use any land you have the right to use in the next 5 years?</p> <p>I READ RESPONSE OPTIONS</p> <p>E h01.InList(1,2,3)</p>	<p>SINGLE-SELECT h06b</p> <p>01 <input type="radio"/> Not all likely</p> <p>02 <input type="radio"/> Slightly likely</p> <p>03 <input type="radio"/> Moderately likely</p> <p>04 <input type="radio"/> Very likely</p> <p>05 <input type="radio"/> Extremely likely</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>H07. Do you own or hold use rights to the dwelling in which you live, either alone or jointly with someone else?</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT h07</p> <p>01 <input type="radio"/> Yes, alone</p> <p>02 <input type="radio"/> Yes, jointly</p> <p>04 <input type="radio"/> No</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>H08. Do you have the right, either alone or jointly with someone else, to sell the dwelling in which you live?</p> <p>I READ RESPONSE OPTIONS</p> <p>E h07.InList(1,2,3) // h09.InList(1,2,3)</p>	<p>SINGLE-SELECT h08</p> <p>01 <input type="radio"/> Yes, alone</p> <p>02 <input type="radio"/> Yes, jointly</p> <p>04 <input type="radio"/> No</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>

<p>H09. Do you have the right, either alone or jointly with someone else, to give <u>your dwelling</u>, by oral or written will, to other persons after your death?</p> <p>I READ RESPONSE OPTIONS E h07.InList(1,2,3) // h09.InList(1,2,3)</p>	<p>SINGLE-SELECT h09</p> <p>01 <input type="radio"/> Yes, alone</p> <p>02 <input type="radio"/> Yes, jointly</p> <p>04 <input type="radio"/> No</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>H10. Is there a document for the dwelling in which you live, that is issued by or registered at a government agency, such as purchase certificate, a site plan, a building permit or a lease/rental contract?</p> <p>E h07.InList(1,2,3) // h09.InList(1,2,3)</p>	<p>SINGLE-SELECT h10</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>H11. Is your name listed on any of these documents as an owner or use right holder, either alone or jointly with someone else?</p> <p>I READ RESPONSE OPTIONS E h10==1</p>	<p>SINGLE-SELECT h11</p> <p>01 <input type="radio"/> Yes, alone</p> <p>02 <input type="radio"/> Yes, jointly</p> <p>04 <input type="radio"/> No</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>H12a. How likely are you to involuntarily lose ownership to the dwelling in which you live, in the next 5 years?</p> <p>I READ RESPONSE OPTIONS E h07.InList(1,2,3) // h09.InList(1,2,3)</p>	<p>SINGLE-SELECT h12a</p> <p>01 <input type="radio"/> Not all likely</p> <p>02 <input type="radio"/> Slightly likely</p> <p>03 <input type="radio"/> Moderately likely</p> <p>04 <input type="radio"/> Very likely</p> <p>05 <input type="radio"/> Extremely likely</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>H12b. How likely are you to involuntarily lose use rights to the dwelling in which you live, in the next 5 years?</p> <p>I READ RESPONSE OPTIONS E h07.InList(1,2,3) // h09.InList(1,2,3)</p>	<p>SINGLE-SELECT h12b</p> <p>01 <input type="radio"/> Not all likely</p> <p>02 <input type="radio"/> Slightly likely</p> <p>03 <input type="radio"/> Moderately likely</p> <p>04 <input type="radio"/> Very likely</p> <p>05 <input type="radio"/> Extremely likely</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>END TIME</p> <p>E IsAnswered(Sech_StartTime)</p> <p>V1 self > Sech_StartTime</p> <p>M1 Error. The end time must always be ahead of start time. Correct</p>	<p>DATE: CURRENT TIME Sech_EndTime</p> <p>.....</p>
<p>VARIABLE (float)Sech_EndTime.Value.Subtract(Sech_StartTime.Value).TotalMinutes</p>	<p>DOUBLE Tot_H_Mins</p>

MODULE I: DECISION-MAKING/CONTROL OVER INCOME

E d00a==1

START TIME	DATE: CURRENT TIME Seci_StartTime
.....	

STATIC TEXT

I01. INTERVIEWER, READ ALOUD: Now I am going to ask you about how much influence you have in decisions and control over income. For eacNow I am going to ask you about how much influence you have in decisions and control over income

<p>I01. How much influence do you have regarding the use of money earned or received by your self or other household members?</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT i01</p> <p>01 <input type="radio"/> No influence</p> <p>02 <input type="radio"/> Some influence</p> <p>03 <input type="radio"/> A lot of influence</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
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STATIC TEXT

I02. Now, please tell me how much influence you have on:

<p>I02a. Making large household purchases, such as cars, motorbikes, furniture, electric appliances.</p> <p>I READ RESPONSE OPTIONS.</p>	<p>SINGLE-SELECT i02a</p> <p>01 <input type="radio"/> No influence</p> <p>02 <input type="radio"/> Some influence</p> <p>03 <input type="radio"/> A lot of influence</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
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<p>I02b. Your own healthcare (such as specialistic visits, hospital bills or surgeries)</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT i02b</p> <p>01 <input type="radio"/> No influence</p> <p>02 <input type="radio"/> Some influence</p> <p>03 <input type="radio"/> A lot of influence</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
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END TIME	DATE: CURRENT TIME Seci_EndTime
.....	
<p>E IsAnswered(Seci_StartTime)</p> <p>V1 self > Seci_StartTime</p> <p>M1 Error. The end time must always be ahead of start time. Correct</p>	

<p>VARIABLE</p> <p>(float)Seci_EndTime.Value.Subtract(Seci_StartTime.Value).TotalMinutes</p>	<p>DOUBLE Tot_I_Mins</p>
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SECTION 22: WOMEN EMPOWERMENT AND NUTRITION (WEN) / WEN - %ROSTERTITLE%

MODULE J: ACCESS AND USE OF ICT

E d00a==1

START TIME	DATE: CURRENT TIME Secj_StartTime
.....	

STATIC TEXT

J01. **INTERVIEWER, READ ALOUD:** Next, I am going to ask you how often you use different types of technology. Please indicate how often you use:

<p>J01a. MOBILE PHONE</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT j01a</p> <p>01 <input type="radio"/> Daily</p> <p>02 <input type="radio"/> Weekly</p> <p>03 <input type="radio"/> Monthly</p> <p>04 <input type="radio"/> Less than monthly</p> <p>05 <input type="radio"/> Never</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>J01b. Internet (including WhatsApp, Telegram, Facebook, Tik-Tok and other social media)</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT j01b</p> <p>01 <input type="radio"/> Daily</p> <p>02 <input type="radio"/> Weekly</p> <p>03 <input type="radio"/> Monthly</p> <p>04 <input type="radio"/> Less than monthly</p> <p>05 <input type="radio"/> Never</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>END TIME</p> <p>E IsAnswered(Secj_StartTime)</p> <p>V1 self > Secj_StartTime</p> <p>M1 Error. The end time must always be ahead of start time. Correct</p>	<p>DATE: CURRENT TIME Secj_EndTime</p> <p>.....</p>
<p>VARIABLE</p> <p>(float)Secj_EndTime.Value.Subtract(Secj_StartTime.Value).TotalMinutes</p>	<p>DOUBLE Tot_J_Mins</p>

SECTION 22: WOMEN EMPOWERMENT AND NUTRITION (WEN) / WEN - %ROSTERTITLE%

MODULE L: SEXUAL HARRASMENT

E d00a==1 && s2q02==0

<p>START TIME</p>	<p>DATE: CURRENT TIME sec1_StartTime</p> <p>.....</p>
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STATIC TEXT

DO NOT READ ALOUD: PLEASE MAKE SURE THERE IS NO PERSON 5 YEARS AND OVER WHO COULD OVERHEAR THE INTERVIEW.

STATIC TEXT

INTERVIEWER, READ ALOUD: Now, I will ask you some questions about experiences women in your community may have. In your opinion, how acceptable is it that...

<p>L01. A man treats a woman as "lesser" because she is a woman, for example, speaks badly, interrupts, or ignores her?</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT 101</p> <p>01 <input type="radio"/> Never acceptable</p> <p>02 <input type="radio"/> Sometimes acceptable</p> <p>03 <input type="radio"/> Usually acceptable</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
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<p>L02. A man prevents a woman from doing certain kinds of work, even if she wants to?</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT 102</p> <p>01 <input type="radio"/> Never acceptable</p> <p>02 <input type="radio"/> Sometimes acceptable</p> <p>03 <input type="radio"/> Usually acceptable</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>L03. A man spreads unwelcome rumours about a woman's sex life?</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT 103</p> <p>01 <input type="radio"/> Never acceptable</p> <p>02 <input type="radio"/> Sometimes acceptable</p> <p>03 <input type="radio"/> Usually acceptable</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>L04. A man tries to have a romantic or sexual relationship with a woman when she doesn't want it?</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT 104</p> <p>01 <input type="radio"/> Never acceptable</p> <p>02 <input type="radio"/> Sometimes acceptable</p> <p>03 <input type="radio"/> Usually acceptable</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>L05. A man offers work-related benefits to a woman with the expectation of receiving sexual favors?</p> <p>I READ RESPONSE OPTIONS</p>	<p>SINGLE-SELECT 105</p> <p>01 <input type="radio"/> Never acceptable</p> <p>02 <input type="radio"/> Sometimes acceptable</p> <p>03 <input type="radio"/> Usually acceptable</p> <p>97 <input type="radio"/> DO NOT READ: Don't know</p> <p>98 <input type="radio"/> DO NOT READ: Refused</p>
<p>END TIME</p> <p>E IsAnswered(Sec1_StartTime)</p> <p>V1 self > Sec1_StartTime</p> <p>M1 Error. The end time must always be ahead of start time. Correct</p>	<p>DATE: CURRENT TIME Sec1_EndTime</p> <p>.....</p>
<p>VARIABLE</p> <p>(float)Sec1_EndTime.Value.Subtract(Sec1_StartTime.Value).TotalMinutes</p>	<p>DOUBLE Tot_L_Mins</p>

SECTION 22: WOMEN EMPOWERMENT AND NUTRITION (WEN) / WEN - %ROSTERTITLE%

MODULE M: FOOD AND DRINKS CONSUMED IN LAST 24 HOURS

E d00a==1 && s2q02==0

<p>START TIME</p>	<p>DATE: CURRENT TIME Secm_StartTime</p> <p>.....</p>
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STATIC TEXT

Now I'd like to ask about your current pregnancy and breastfeeding status.

M01a: Are you currently pregnant?	<p>SINGLE-SELECT M01a_pregnancy</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p> <p>97 <input type="radio"/> Don't Know</p> <p>98 <input type="radio"/> DO NOT READ: Refused to answer</p>
M01b: Are you currently breastfeeding?	<p>SINGLE-SELECT M01b_breastfeeding</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p> <p>98 <input type="radio"/> DO NOT READ: Refused to answer</p>

STATIC TEXT

INTERVIEWER, READ ALOUD: Now I'd like to ask you some yes-or-no questions about foods and drinks that you consumed yesterday during the day and night.

First, I would like you to think about what you ate and drank yesterday, whether at home or somewhere else.

Think about the first thing you ate or drank after you woke up in the morning ...

Think about what you had to eat or drink in the middle of the day ...

Think about what you ate and drank at your evening meal ...

Think about any food or drink you had in the evening or later at night...

Think about any other snacks or drinks you had between meals.

Please listen to the list of foods, and if you ate or drank any one of them, say yes. If you did not have any of them, say no. I am interested in whether you had the food items I will mention even if they were combined with other foods.

STATIC TEXT

M01. Yesterday, during the day or at night, did you eat or drink:

A1: Ugal made from refined maize flour, whole meal flour, yellow maize, or sorghum? Porridge made from sorghum or millet?	<p>SINGLE-SELECT M01a</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
A2: Popcorn, maize, rice, bread, chapati, rice bun, makande, pasta or macaroni?	<p>SINGLE-SELECT M01c</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
N: Carrots, pumpkins, or orange-fleshed sweet potatoes?	<p>SINGLE-SELECT M01n</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
B: Cassava, green bananas, Irish potatoes, ugali made from cassava, bread fruit (shelisheli), white or pale yellow sweet potatoes, yams or taro (magimbi), or Ming'oko	<p>SINGLE-SELECT M01d</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
C: Beans, peas, cowpeas, pigeon/chick peas, green gram, lentils (dengu), dhal, Bambara nuts, soya beans, or soya milk?	<p>SINGLE-SELECT M01e</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
D: Groundnuts, peanut butter, almonds, cashew nuts, pumpkin seeds, sunflower seeds or sesame?	<p>SINGLE-SELECT M01f</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

<p>E: Fresh milk, powdered milk, milk tea, or porridge with milk?</p>	<p>SINGLE-SELECT M01g</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>F: Yoghurt, mtindi, sour milk, cheese or loshoro?</p>	<p>SINGLE-SELECT M01h</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>G: Beef, goat meat, sheep meat, minced meat, pork, rabbit or game meat?</p>	<p>SINGLE-SELECT M01i</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>H: Liver, kidneys, intestines, heart, gizzard, spleen, tongue or lungs?</p>	<p>SINGLE-SELECT M01j</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>I: Sausage (soseji), ham, bacon, salami or tinned meat?</p>	<p>SINGLE-SELECT M01k</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>J: Chicken, duck, guinea fowl (kanga), or pigeon/dove?</p>	<p>SINGLE-SELECT M01l</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>K: Sardines (dagaa), fish, prawns, squid (ngisi), octopus, crab or shellfish (kombe)?</p>	<p>SINGLE-SELECT M01m</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>L: Eggs?</p>	<p>SINGLE-SELECT M01m1</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>M1: Amaranth leaves, collard greens (sukuma wiki/figiri), spinach, cowpea leaves, pumpkin leaves, pigeon pea leaves, or cassava leaves?</p>	<p>SINGLE-SELECT M010</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>M2: Sweet potato leaves, black nightshade, spider plant, African nightshade, bitter leaves, or chaya?</p>	<p>SINGLE-SELECT M01n2</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>O: Mangoes, papaya, passion fruits, or plums?</p>	<p>SINGLE-SELECT M01p</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>P: Cabbage, tomatoes, bitter tomatoes, sweet peppers, eggplant, cucumber, okra, cauliflower, broccoli, fresh peas, green beans, or seaweed?</p>	<p>SINGLE-SELECT M01q1</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>

<p>Q1: Oranges, tangerines, ripe bananas, pineapple, pears, apples, watermelon, baobab fruit, or avocado?</p>	<p>SINGLE-SELECT M01q2</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>Q2: Guava, jackfruit, grapes, sour/black plum, coconut fruit (dafu), mulberry, tamarind, sour soap, star fruit, or dates?</p>	<p>SINGLE-SELECT M01r</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>R: Cassava crisps, potato crisps, banana crisps, or others like Lays, Pringles?</p>	<p>SINGLE-SELECT M01s</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>S: Doughnuts, fried meat, bhajias, chips, fried cassava, fried sweet potatoes, kachori, samosas, mandazi, rice buns (vitumbua), or half cake?</p>	<p>SINGLE-SELECT M01t</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>T: Instant noodles?</p>	<p>SINGLE-SELECT M01u</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>U: Shawarma or foods purchased from modern restaurants like Pizza Hut, KFC, Subway, Mary Brown, Mr. Burger?</p>	<p>SINGLE-SELECT M01v</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>V: Cakes, sweet biscuits, candy, chocolate, ice cream, halwa, kashata, condensed milk, or visheji?</p>	<p>SINGLE-SELECT M01x</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>X: Tea or coffee with sugar, Milo, cocoa, fruit juice, sweet drinks with artificial fruit flavors, drinks like Coca-Cola, Pepsi, Fanta or Mirinda?</p>	<p>SINGLE-SELECT M01y</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>Z: Sweet infusion (chai ya viungo bila majani ya chai/kahawa)</p>	<p>SINGLE-SELECT M01yy</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>Y1: Grasshoppers, winged termites or other edible insects?</p>	<p>SINGLE-SELECT M01yy1</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>Y2 : Red palm oil?</p>	<p>SINGLE-SELECT M01yy2</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>
<p>END TIME</p> <p>E IsAnswered(Secm_StartTime)</p> <p>V1 self > Secm_StartTime</p> <p>M1 Error. The end time must always be ahead of start time. Correct</p>	<p>DATE: CURRENT TIME Secm_EndTime</p> <p>.....</p>
<p>VARIABLE</p> <p>(float)Secm_EndTime.Value.Subtract(Secm_StartTime.Value).TotalMinutes</p>	<p>DOUBLE Tot_m_Mins</p>

MODULE N: INFORMATION ON RESPONDENT

E d00a==1

VARIABLE @rowcode	LONG	respcode
<p>N01 - INTERVIEWER: What is <u>%rosteritle%</u>'s sex ?</p> <p>W1 (SELECT_SURVEY==1 && self==1) (SELECT_SURVEY==2 && self==0)</p> <p>M1 Warning. Sex of the respondent is different from the HH roster. Please cross check that this is the correct response. DO NOT AMEND THE SEX OF THE INDIVIDUAL IN THE HOUSEHOLD ROSTER!!!!</p>	<p>SINGLE-SELECT</p> <p>01 <input type="radio"/> MALE</p> <p>00 <input type="radio"/> FEMALE</p>	N01
<p>N02 - What is <u>%rosteritle%</u>' age? (Age should be in complete years)</p> <p>W1 (respcode==randomRowcode && N02==male_age) (respcode==randomRowcodeF && N02==female_age1) (respcode==randomRowcodeF2 && N02==female_age2)</p> <p>M1 Warning. Age of the respondent is different from the HH roster. Please cross check that this is the correct response. DO NOT AMEND THE AGE OF THE INDIVIDUAL IN THE HOUSEHOLD ROSTER!!!!</p>	<p>NUMERIC: INTEGER</p> <p>-----</p>	N02
<p>N03 - Can you read and write in any language?</p>	<p>SINGLE-SELECT</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>	N03
<p>N04 - Have you ever attended school?</p>	<p>SINGLE-SELECT</p> <p>01 <input type="radio"/> Yes</p> <p>00 <input type="radio"/> No</p>	N04
<p>N05 - What is the highest educational level you completed?</p> <p>E N04==1</p>	<p>SINGLE-SELECT</p> <p>00 <input type="radio"/> NURSERY/PRESCHOOL</p> <p>01 <input type="radio"/> PRIMARY EDUCATION INCOMPLETE</p> <p>02 <input type="radio"/> PRIMARY EDUCATION COMPLETE</p> <p>03 <input type="radio"/> SECONDARY/ADVANCED EDUCATION INCOMPLETE</p> <p>04 <input type="radio"/> SECONDARY/ADVANCED EDUCATION COMPLETE</p> <p>05 <input type="radio"/> VOCATIONAL TRAINING</p> <p>06 <input type="radio"/> UNIVERSITY</p> <p>07 <input type="radio"/> OTHER TRAININGS</p>	N05

MODULE O: RESULT OF INTERVIEW

E d00a==1

<p>001. INTERVIEWER: Was the respondent interviewed alone?</p>	<p>SINGLE-SELECT 001</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No, one person attended the interview</p> <p>03 <input type="radio"/> No, more than one person attended the interview</p>
----------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>002. INTERVIEWER: Who attended the interview?</p> <p>I TICK ALL THAT APPLY. E 001.InList(2,3)</p>	<p>MULTI-SELECT 002</p> <p>01 <input type="checkbox"/> Children</p> <p>02 <input type="checkbox"/> Adult males</p> <p>03 <input type="checkbox"/> Adult females</p>
----------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>003. INTERVIEWER: Interview status</p>	<p>SINGLE-SELECT 003</p> <p>01 <input type="radio"/> Interview completed</p> <p>02 <input type="radio"/> Interview partially completed</p>
-------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>004. INTERVIEWER: Reason for incomplete interview</p> <p>E 003==2</p>	<p>SINGLE-SELECT 004</p> <p>01 <input type="radio"/> Respondent had to leave</p> <p>02 <input type="radio"/> Respondent was busy</p> <p>09 <input type="radio"/> Other (specify)</p>
--------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>004_other. Specify other reason for incomplete interview</p> <p>E 004==9</p>	<p>TEXT 004_other</p> <p>.....</p>
---------------------------------------------------------------------------------	-----------------------------------------------------------------------

<p>005 - GPS coordinates of WEN location</p> <p>W1 \$tanzania</p> <p>M1 GPS co-ordinates seem to be outside of Tanzania, please check</p>	<p>GPS GPS_WEN</p> <p>-----</p> <p>N</p> <p>-----</p> <p>W</p> <p>-----</p> <p>A</p>
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<p>End Time for Section 22</p> <p>E IsAnswered(InterviewStart_Sec22)</p> <p>V1 self > InterviewStart_Sec22</p> <p>M1 Error. The end time must always be ahead of start time. Correct</p>	<p>DATE: CURRENT TIME InterviewEnd_Sec22</p> <p>.....</p>
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<p>VARIABLE</p> <p>(float)InterviewEnd_Sec22.Value.Subtract(InterviewStart_Sec22.Value).TotalMinutes</p>	<p>DOUBLE Tot_WEN_Mins</p>
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APPENDIX A — ENABLING CONDITIONS

- [1] [s3q05a_1: s3q05a_1 - Out of the <u>%s3q04a_Acres%</u> acres of <u>%rosteritle%</u> field, what was the area used for CROP PRODUCTION or as KITCHEN GARDEN or left TEMPORARY FALLOW during the VULI season in the 2023/24 agricultural year?](#)

Enablement Condition:

```
(s3q05a.Contains(2) && s3q05a.ContainsAny(1,4,5,7,8,9,10,12,13,14,99)) ||
(s3q05a.Contains(3) && s3q05a.ContainsAny(1,4,5,7,8,9,10,12,13,14,99)) ||
(s3q05a.Contains(6) && s3q05a.ContainsAny(1,4,5,7,8,9,10,12,13,14,99)) ||
(s3q05a.ContainsAll(2,3) && s3q05a.ContainsAny(1,4,5,7,8,9,10,12,13,14,99)) ||
(s3q05a.ContainsAll(2,6) && s3q05a.ContainsAny(1,4,5,7,8,9,10,12,13,14,99)) ||
(s3q05a.ContainsAll(6,3) && s3q05a.ContainsAny(1,4,5,7,8,9,10,12,13,14,99)) ||
(s3q05a.ContainsAll(2,3,6) && s3q05a.ContainsAny(1,4,5,7,8,9,10,12,13,14,99))

// OR (s3q05b.ContainsAny(2,3,6) && s3q05b.ContainsAny(1,4,5,7,8,9,10,12,13,14,99))
```

- [2] [s3q05b_1: s3q05b_1 - Out of the <u>%s3q04a_Acres%</u> acres of <u>%rosteritle%</u> field, what was the areas solely used for for CROP PRODUCTION or as KITCHEN GARDEN or left TEMPORARY FALLOW during the MASIKA season in the 2023/24 agricultural year?](#)

Enablement Condition:

```
(s3q05b.Contains(2) && s3q05b.ContainsAny(1,4,5,7,8,9,10,12,13,14,99)) ||
(s3q05b.Contains(3) && s3q05b.ContainsAny(1,4,5,7,8,9,10,12,13,14,99)) ||
(s3q05b.Contains(6) && s3q05b.ContainsAny(1,4,5,7,8,9,10,12,13,14,99)) ||
(s3q05b.ContainsAll(2,3) && s3q05b.ContainsAny(1,4,5,7,8,9,10,12,13,14,99)) ||
(s3q05b.ContainsAll(2,6) && s3q05b.ContainsAny(1,4,5,7,8,9,10,12,13,14,99)) ||
(s3q05b.ContainsAll(6,3) && s3q05b.ContainsAny(1,4,5,7,8,9,10,12,13,14,99)) ||
(s3q05b.ContainsAll(2,3,6) && s3q05b.ContainsAny(1,4,5,7,8,9,10,12,13,14,99))

// OR (s3q05b.ContainsAny(2,3,6) && s3q05b.ContainsAny(1,4,5,7,8,9,10,12,13,14,99))
```

- [3] : [Section 8: Permanent Crop Production](#)

Enablement Condition:

```
FIELD2.Any(y=>
  y.VULIPILOT1.Any(x=>(
    (x.s5q01 ?? new int[0]).Any(z=>
      CropType[z].tempperm==2)))
  )
||
FIELD5.Any(y=>
  y.MASIKAPLOT1.Any(x=>(
    (x.s7q01 ?? new int[0]).Any(z=>
      CropType[z].tempperm==2)))
  )
)
```

- [4] : [FIELD - %rosteritle%](#)

Enablement Condition:

```
FIELD2[@rowcode]
.VULIPILOT1.Any(x=>(
  (x.s5q01 ?? new int[0]).Any(z=>
    CropType[z].tempperm==2)))
  )
||
FIELD5[@rowcode]
.MASIKAPLOT1.Any(x=>(
  (x.s7q01 ?? new int[0]).Any(z=>
    CropType[z].tempperm==2)
  )
)
```

- [5] : [Permanent crop - %rosteritle%](#)

Enablement Condition:

```
FIELD2[RosterVector[0]]
.VULIPILOT1
.SelectMany(y => y.s5q01??new int[0])
.Contains(@rowcode)
||
FIELD5[RosterVector[0]]
.MASIKAPLOT1
.SelectMany(y => y.s7q01??new int[0])
.Contains(@rowcode)
```

- [6] : [Harvest use - %rosteritle%](#)

Enablement Condition:

```
FIELD2.Any(a=>a.VULIPILOT1.Any(b=>b.VULICROP.Any(c=>c.s5q05==1 && c.CropCode_Vuli==@rowcode))) ||
FIELD5.Any(a=>a.MASIKAPLOT1.Any(b=>b.MASIKACROP.Any(c=>c.s7q05==1 && c.CropCode_Masika==@rowcode)))
||
field_crop.Any(a=>a.permanent_crop.Any(b=>b.s8q01==1 && b.perm_crop_code==@rowcode))
```

- [7] : [Section 11: Input Use And Acquisition \(Fertilizers And Pesticides\)](#)

Enablement Condition:

```
FIELD1.Any(x =>
  x.VULIPILOT.Any(y =>
    new [] { y.s4q10, y.s4q12}
      .Any(b => (IsAnswered(b) && !b.ContainsAny(99)))
  )
)
||
FIELD4.Any(x =>
  x.MASIKAPLOT.Any(y =>
    new [] { y.s6q10, y.s6q12}
      .Any(b => (IsAnswered(b) && !b.ContainsAny(99)))
  )
)
```

[8] : **Error Message**

Enablement Condition:

```
S9_PERCENT_TOTAL != 100 && IsAnswered(s9q03) && IsAnswered(s9q07) && IsAnswered(s9q08) && IsAnswered(s9q09) &&
IsAnswered(s9q10) && IsAnswered(s9q11)
&& ((IsAnswered(s9q05) && IsAnswered(s9q06)) || IsAnswered(s9q10a))
```

APPENDIX B — VALIDATION CONDITIONS AND MESSAGES

[1] [s2q04: s2q04 - How old is <u>%rostartitle%</u>?](#)

Validation Condition:

```
self<101
```

Validation Message: Household member cannot be older than 100 years.

Validation Condition:

```
s2q03 == 1 && self > 14  
||  
s2q03.InList(2,3,4,5,5,6,7)
```

Validation Message: Household head must be 15 years or older

Validation Condition:

```
s2q03 == 2 && self > 14  
||  
s2q03.InList(1,3,4,5,6,7)
```

Validation Message: Spouse must be 15 years or older

Validation Condition:

```
// if current person is father/mother of head  
s2q03==4 && HOUSEHOLD.Count(x=>x.s2q03==1 &&  
(s2q04-x.s2q04<=10))==0
```

```
||
```

```
// if current person is head  
s2q03==1 && HOUSEHOLD.Count(x=>x.s2q03==4 &&  
(x.s2q04-s2q04<=10))==0
```

```
||
```

```
(  
    !s2q03.InList(1,4)  
)
```

Validation Message: Age difference between head and his/her parent seems is less than 11 years. Please Check!

Validation Condition:

```
// if current person is head child  
s2q03==3 && (HOUSEHOLD.Count(x=>x.s2q03==1 &&  
(x.s2q04-s2q04<=10))==0)
```

```
||
```

```
// if current person is head  
s2q03==1 && HOUSEHOLD.Count(x=>x.s2q03==3 &&  
(s2q04-x.s2q04<=10))==0
```

```
||
```

```
(  
    !s2q03.InList(1,3)  
)
```

Validation Message: Age difference between head and his child is less than 11 years. Please check.

Validation Condition:

```
// if current person is grandchild  
s2q03==5 && HOUSEHOLD.Count(x=>x.s2q03==1 &&  
(x.s2q04-s2q04<=20))==0
```

```
||
```

```
// if current person is head  
s2q03==1 && HOUSEHOLD.Count(x=>x.s2q03==5 &&  
(s2q04-x.s2q04<=20))==0
```

```
||
```

```
// if current person is neither head nor grandchild  
!s2q03.InList(1,5)
```

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

Validation Condition:

```
self>=0
```

Validation Message: age cannot be negative

[2] [s5q8c_state: s5q8c_state - Harvest state/condition](#)

Validation Condition:

```
!(vuli_string_int.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113,  
353114,9981,9982,9983,9991,9992,9993))
```

```
? (vuli_harvests_per_hectare <= vuli_harvest_hectare + 0.0001)
```

: true

Validation Message: The quantity of harvest reported in this plot seems too high. Please confirm.

Validation Condition:

vuli_harvests_kg!=0

Validation Message: Error!, The state/condition and the unit reported for %rosteritle% crop do not match. Please select the appropriate unit and state/condition!

[3] [s5q8e_state: s5q8e_state - Harvest state/condition](#)

Validation Condition:

!(vuli_string_int_other.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114, 9981, 9982, 9983, 9991, 9992, 9993))

? (vuli_harvests_per_hectare_other <= vuli_harvest_hectare + 0.0001)

: true

Validation Message: The quantity of harvest reported in this plot seems too high. Please confirm.

Validation Condition:

self!=s5q8c_state

Validation Message: Error! the harvested conditions/states are the same. Please review the state for this question or at s5q8c_state

Validation Condition:

s5q08e_vuli_harvests_kg!=0

Validation Message: Error!, The state/condition and the unit reported for %rosteritle% crop do not match. Please select the appropriate unit and state/condition!

[4] [s7q8c_state: s7q8c_state - Harvest state/condition](#)

Validation Condition:

!(masika_string_int.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114, 9981, 9982, 9983, 9991, 9992, 9993))

? (masika_harvests_per_hectare <= masika_harvest_hectare + 0.0001)

: true

Validation Message: The quantity of harvest reported in this plot seems too high. Please confirm.

Validation Condition:

s7q08c_vuli_harvests_kg!=0

Validation Message: Error!, The state/condition and the unit reported for %rosteritle% crop do not match. Please select the appropriate unit and state/condition!

[5] [s7q8e_state: s7q8e_state - Harvest state/condition](#)

Validation Condition:

!(masika_string_int_other.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114, 9981, 9982, 9983, 9991, 9992, 9993))

? (masik_harvests_per_hectare_other <= masika_harvest_hectare + 0.0001)

: true

Validation Message: The quantity of harvest reported in this plot seems too high. Please confirm.

Validation Condition:

self!=s7q8c_state

Validation Message: Error! the harvested conditions/states are the same. Please review the state for this question or at s7q8c_state

Validation Condition:

s7q08e_masika_harvests_kg!=0

Validation Message: Error!, The state/condition and the unit reported for %rosteritle% crop do not match. Please select the appropriate unit and state/condition!

[6] [s8q4c_state: s8q4c_state - Harvest state/condition](#)

Validation Condition:

!(string_int.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114, 9981, 9982, 9983, 9991, 9992, 9993))

? (harvests_per_hectare <= harvest_hectare + 0.0001)

: true

Validation Message: The quantity of harvest reported in this plot seems too high. Please confirm.

Validation Condition:

s8q04c_harvests_kg !=0

Validation Message: Error!, The state/condition and the unit reported for %rosteritle% crop do not match. Please select the appropriate unit and state/condition!

state/condition!

[7] **s8q4e_state: s8q4e_state - Harvest state/condition**

Validation Condition:

```
!(string_int_other.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114, 9981, 9982, 9983, 9991, 9992, 9993))
```

```
? (harvests_per_hectare_other <= harvest_hectare + 0.0001)
```

```
: true
```

Validation Message: The quantity of harvest reported in this plot seems too high. Please confirm.

Validation Condition:

```
s8q04e_harvests_kg!=0
```

Validation Message: Error!, The state/condition and the unit reported for %rosteritle% crop do not match. Please select the appropriate unit and state/condition!

[8] **s12q01b: s12q01b - How many <u>%rosteritle%</u> did this household/farm rear as of 1st October 2024?**

Validation Condition:

```
((@rowcode==1 && SCREENING==1) && s12q01b<=36) ||
((@rowcode==1 && SCREENING==2) && s12q01b<=1000) ||
((@rowcode==2 && SCREENING==1) && s12q01b<=8) ||
((@rowcode==2 && SCREENING==2) && s12q01b<=948) ||
((@rowcode==3 && SCREENING==1) && s12q01b<=30) ||
((@rowcode==3 && SCREENING==2) && s12q01b<=282) ||
((@rowcode==4 && SCREENING==1) && s12q01b<=17) ||
((@rowcode==4 && SCREENING==2) && s12q01b<=700) ||
((@rowcode==5 && SCREENING==1) && s12q01b<=40) ||
((@rowcode==5 && SCREENING==2) && s12q01b<=304) ||
((@rowcode==6 && SCREENING==1) && s12q01b<=12) ||
((@rowcode==6 && SCREENING==2) && s12q01b<=200) ||
((@rowcode==7 && SCREENING==1) && s12q01b<=40) ||
((@rowcode==7 && SCREENING==2) && s12q01b<=200) ||
((@rowcode==8 && SCREENING==1) && s12q01b<=480) ||
((@rowcode==8 && SCREENING==2) && s12q01b<=50000) ||
((@rowcode==9 && SCREENING==1) && s12q01b<=24) ||
((@rowcode==9 && SCREENING==2) && s12q01b<=179) ||
((@rowcode==10 && SCREENING==1) && s12q01b<=15) ||
((@rowcode==10 && SCREENING==2) && s12q01b<=33) ||
((@rowcode==11 && SCREENING==1) && s12q01b<=8) ||
((@rowcode==11 && SCREENING==2) && s12q01b<=21) ||
((@rowcode==12 && SCREENING==1) && s12q01b<=19) ||
((@rowcode==12 && SCREENING==2) && s12q01b<=80) ||
((@rowcode==13 && SCREENING==1) && s12q01b<=5) ||
((@rowcode==13 && SCREENING==2) && s12q01b<=13) ||

((@rowcode==14 && SCREENING==1) && s12q01b<=500) ||
((@rowcode==14 && SCREENING==2) && s12q01b<=50000) ||
((@rowcode==15 && SCREENING==1) && s12q01b<=500) ||
((@rowcode==15 && SCREENING==2) && s12q01b<=50000)
//threshords for rowcodes 14 and 15 to be provided
```

Validation Message: Warning! The number of %rosteritle% reported seems too high. Please confirm.

Validation Condition:

```
s12q01b>=0
```

Validation Message: Error! The value is not valid, please correct.

[9] **s12q01c: s12q01c - How many <u>%rosteritle%</u> did this household/farm rear last year at the same period, as of 1st October 2023?**

Validation Condition:

```
self>=0
```

Validation Message: Error. Number entered is invalid. Correct!

Validation Condition:

```
((@rowcode==1 && SCREENING==1) && s12q01c<=38) ||
((@rowcode==1 && SCREENING==2) && s12q01c<=1000) ||
((@rowcode==2 && SCREENING==1) && s12q01c<=10) ||
((@rowcode==2 && SCREENING==2) && s12q01c<=948) ||
((@rowcode==3 && SCREENING==1) && s12q01c<=40) ||
((@rowcode==3 && SCREENING==2) && s12q01c<=282) ||
((@rowcode==4 && SCREENING==1) && s12q01c<=30) ||
((@rowcode==4 && SCREENING==2) && s12q01c<=700) ||
((@rowcode==5 && SCREENING==1) && s12q01c<=49) ||
((@rowcode==5 && SCREENING==2) && s12q01c<=304) ||
((@rowcode==6 && SCREENING==1) && s12q01c<=18) ||
((@rowcode==6 && SCREENING==2) && s12q01c<=200) ||
((@rowcode==7 && SCREENING==1) && s12q01c<=50) ||
((@rowcode==7 && SCREENING==2) && s12q01c<=200) ||
((@rowcode==8 && SCREENING==1) && s12q01c<=500) ||
((@rowcode==8 && SCREENING==2) && s12q01c<=50000) ||
((@rowcode==9 && SCREENING==1) && s12q01c<=30) ||
((@rowcode==9 && SCREENING==2) && s12q01c<=179) ||
((@rowcode==10 && SCREENING==1) && s12q01c<=22) ||
((@rowcode==10 && SCREENING==2) && s12q01c<=33) ||
((@rowcode==11 && SCREENING==1) && s12q01c<=8) ||
```

```
(@rowcode==11 && SCREENING==2) && s12q01c<=21) ||
(@rowcode==12 && SCREENING==1) && s12q01c<=35) ||
(@rowcode==12 && SCREENING==2) && s12q01c<=80) ||
(@rowcode==13 && SCREENING==1) && s12q01c<=5) ||
(@rowcode==13 && SCREENING==2) && s12q01c<=13) ||

(@rowcode==14 && SCREENING==1) && s12q01c<=500) ||
(@rowcode==14 && SCREENING==2) && s12q01c<=50000) ||
(@rowcode==15 && SCREENING==1) && s12q01c<=500) ||
(@rowcode==15 && SCREENING==2) && s12q01c<=50000)
//threshords for rowcodes 14 and 15 to be provided
```

Validation Message: Warning! The number of %rosteritle% reported seems too high. Please confirm.

[10] **s12q03: s12q03 - How many <u>%rosteritle%</u> were born in the agricultural year from October 2023 to September 2024?**

Validation Condition:

```
(@rowcode==1 && SCREENING==1) && s12q03<=12) ||
(@rowcode==1 && SCREENING==2) && s12q03<=186) ||
(@rowcode==2 && SCREENING==1) && s12q03<=3) ||
(@rowcode==2 && SCREENING==2) && s12q03<=225) ||
(@rowcode==3 && SCREENING==1) && s12q03<=15) ||
(@rowcode==3 && SCREENING==2) && s12q03<=76) ||
(@rowcode==4 && SCREENING==1) && s12q03<=15) ||
(@rowcode==4 && SCREENING==2) && s12q03<=250) ||
(@rowcode==5 && SCREENING==1) && s12q03<=20) ||
(@rowcode==5 && SCREENING==2) && s12q03<=100) ||
(@rowcode==6 && SCREENING==1) && s12q03<=22) ||
(@rowcode==6 && SCREENING==2) && s12q03<=210) ||
(@rowcode==7 && SCREENING==1) && s12q03<=56) ||
(@rowcode==7 && SCREENING==2) && s12q03<=150) ||
(@rowcode==8 && SCREENING==1) && s12q03<=100) ||
(@rowcode==8 && SCREENING==2) && s12q03<=4354000) ||

(@rowcode==14 && SCREENING==1) && s12q03<=100) ||
(@rowcode==14 && SCREENING==2) && s12q03<=4354000) ||
(@rowcode==15 && SCREENING==1) && s12q03<=100) ||
(@rowcode==15 && SCREENING==2) && s12q03<=4354000)
```

Validation Message: Warning!, The number of %rosteritle% reported seems too high. Please confirm.

Validation Condition:

self>=0

Validation Message: Error. Number entered is invalid. Please correct!

[11] **s12q04: s12q04. How many <u>%rosteritle%</u> did this holding buy alive from October 2023 to September 2024?**

Validation Condition:

```
(@rowcode==1 && SCREENING==1) && s12q04<=8) ||
(@rowcode==1 && SCREENING==2) && s12q04<=200) ||
(@rowcode==2 && SCREENING==1) && s12q04<=4) ||
(@rowcode==2 && SCREENING==2) && s12q04<=239) ||
(@rowcode==3 && SCREENING==1) && s12q04<=10) ||
(@rowcode==3 && SCREENING==2) && s12q04<=200) ||
(@rowcode==4 && SCREENING==1) && s12q04<=20) ||
(@rowcode==4 && SCREENING==2) && s12q04<=150) ||
(@rowcode==5 && SCREENING==1) && s12q04<=14) ||
(@rowcode==5 && SCREENING==2) && s12q04<=100) ||
(@rowcode==6 && SCREENING==1) && s12q04<=5) ||
(@rowcode==6 && SCREENING==2) && s12q04<=40) ||
(@rowcode==7 && SCREENING==1) && s12q04<=12) ||
(@rowcode==7 && SCREENING==2) && s12q04<=121) ||
(@rowcode==8 && SCREENING==1) && s12q04<=1500) ||
(@rowcode==8 && SCREENING==2) && s12q04<=61000) ||

(@rowcode==14 && SCREENING==1) && s12q03<=1500) ||
(@rowcode==14 && SCREENING==2) && s12q03<=61000) ||
(@rowcode==15 && SCREENING==1) && s12q03<=1500) ||
(@rowcode==15 && SCREENING==2) && s12q03<=61000)
```

Validation Message: Warning. The number of %rosteritle% reported seems too high for %SCREENING%. Please confirm.

Validation Condition:

self>=0

Validation Message: Error. Number entered is invalid. Please Correct!

[12] **s12q05: s12q05 - What was the average unit price of the <u>%rosteritle%</u> purchased from October 2023 to September 2024?**

Validation Condition:

```
(@rowcode==1 && self>=300000) ||
(@rowcode==2 && self>=300000) ||
(@rowcode==3 && self>=300000) ||
(@rowcode==4 && self>=30000) ||
(@rowcode==5 && self>=30000) ||
(@rowcode==6 && self>=50000) ||
(@rowcode==7 && self>=2000) ||
(@rowcode==8 && self>=3000) ||

(@rowcode==14 && self>=3000) ||
```

```
(@rowcode==15 && self>=3000)
```

Validation Message: Warning! The price of %rosteritle% seems too low. Please confirm.

Validation Condition:

```
self>=0
```

Validation Message: Error!, invalid value entered. Please correct!

Validation Condition:

```
(@rowcode==1 && self<=2500000) ||
(@rowcode==2 && self<=3000000) ||
(@rowcode==3 && self<=300000) ||
(@rowcode==4 && self<=400000) ||
(@rowcode==5 && self<=280000) ||
(@rowcode==6 && self<=3000000) ||
(@rowcode==7 && self<=35000) ||
(@rowcode==8 && self<=60000) ||

(@rowcode==14 && self<=60000) ||
(@rowcode==15 && self<=60000)
```

Validation Message: Warning!, the unit price of %rosteritle% reported seems too high. Please Confirm!

- [13] [s14q09d: s14q09d - What was the average unit price per litre of the %rosteritle% milk sold from October 2023 to September 2024](#)

Validation Condition:

```
@rowcode.InList(1,2) && self>=500 ||
@rowcode.InList(3,4) &&
(TZ_ZAN==1 && self>=1000 || TZ_ZAN==2 && self>=2000)

/* old
(TZ_ZAN==1 && @rowcode==1 && self>=500) ||
(TZ_ZAN==1 && @rowcode==2 && self>=500) ||

(TZ_ZAN==1 && @rowcode==3 && self>=1000) ||

(TZ_ZAN==1 && @rowcode==4 && self>=1000) ||
(TZ_ZAN==2 && @rowcode==1 && self>=1200) ||
(TZ_ZAN==2 && @rowcode==2 && self>=1200) ||
(TZ_ZAN==2 && @rowcode==3 && self>=2000) ||
(TZ_ZAN==2 && @rowcode==4 && self>=2000)
*/
```

Validation Message: Error! The price per liter is too low. Please correct!

Validation Condition:

```
@rowcode.InList(1,2) && self<=3000 ||
(@rowcode==3 || TZ_ZAN==2 && @rowcode==4) && self<=4000 ||
TZ_ZAN==1 && @rowcode==4 && self<=3500

/* old
(TZ_ZAN==1 && @rowcode==1 && self<=3000) ||
(TZ_ZAN==1 && @rowcode==2 && self<=3000) ||
(TZ_ZAN==1 && @rowcode==3 && self<=4000) ||
(TZ_ZAN==1 && @rowcode==4 && self<=3500) ||
(TZ_ZAN==2 && @rowcode==1 && self<=2200) ||
(TZ_ZAN==2 && @rowcode==2 && self<=2200) ||
(TZ_ZAN==2 && @rowcode==3 && self<=4000) ||
(TZ_ZAN==2 && @rowcode==4 && self<=4000)
*/
```

Validation Message: Error! The price per liter is too high. Please correct!

- [14] [s16q03: s16q03 - What is the quantity of %rosteritle% produced from October 2023 to September 2024?](#)

Validation Condition:

```
(@rowcode==1 && self.InRange(0,10000)) ||
(@rowcode==2 && self.InRange(0,10000)) ||
(@rowcode==3 && self.InRange(0,10000)) ||
(@rowcode==4 && self.InRange(0,10000)) ||
(@rowcode==5 && self.InRange(0,10000)) ||
(@rowcode==8 && self.InRange(0,10000))
```

Validation Message: Error! quantity reported is out of range. Please correct!

Validation Condition:

```
self<=10000
```

Validation Message: Warning! the quantity seems to be too high. Please confirm!

APPENDIX C — INSTRUCTIONS

- [1] s12q01b: s12q01b - How many rosters did this household/farm rear as of 1st October 2024?

ENUMERATOR READS:
 - INCLUDE ANIMALS THAT DO NOT BELONG TO THE HOUSEHOLD/FARM.
 - INCLUDE ANIMALS THAT ARE TEMPORARILY AWAY FOR PASTURES.
 - EXCLUDE ANIMALS THAT ARE OWNED BY THE HOUSEHOLD/FARM BUT ARE REARED BY OTHER HOUSEHOLDS/FARM.

- [2] s21q01: s21q01 - Did you use any of the following INPUT TYPE during the past agricultural year 2023/24?
*Report all irrigation equipment, regardless of ownership.

 *Report all irrigation equipment present on the household during the reference period, regardless of whether it was used during the reference period.
 *Report all land preparation and seeding equipment used, regardless of ownership.

APPENDIX D — CATEGORIES

[1] YesNo

Categories: 1:Yes, 0:No

[2] influence_Level

Categories: 1:No influence, 2:Some influence, 3:A lot of influence, 97:DO NOT READ: Don't know, 98:DO NOT READ: Refused

[3] YesNoE02

Categories: 1:Yes, 2:No, 98:DO NOT READ: Refused

[4] frequency_E03

Categories: 0:Never, 1:Sometimes, 2:Often, 3:Always, 97:DO NOT READ: Don't know, 98:DO NOT READ: Refused

[5] Crops

Categories: 11:Maize, 12:Paddy, 13:Sorghum, 14:Bulrush Millet, 15:Finger Millet, 16:Wheat, 17:Barley, 21:Cassava, 22:Sweet potatoes, 23:Irish potatoes, 24:Yams, 25:Cocoyams, 26:Onion, 27:Ginger, 28:Garlic, 31:Beans, 32:Cowpeas, 33:Green gram, 34:Pigeon pea, 35:Chick peas, 36:Bambaranuts, 37:Field peas, 38:Malay apple, 41:Sunflower, 42: sesame, 43:Groundnut, 44:Palm Tree, 45:Coconut, 46:Cashew nut, 47:Soybeans, 50:Cotton, 51:Tobacco, 52:Pyrethrum, 53:Sisal, 54:Coffee, 55:Tea, 56:Cocoa, 60: Sugar cane, 61:Cardamon, 64:Cinnamon, 66:Clove, 68:Pomelo, 69:Jack fruit, 70:Passion Fruit, 71:Banana, 72:Avocado, 73:Mango, 74:Pawpaw, 75:Pineapple, 76:Orange, 78:Grapes, 79:Mandarin, 80:Guava, 81:Plums, 82:Apples, 83:Pears, 84:Peaches, 86:Cabbage, 88:Spinach, 89:Carrot, 90:Chilies, 91:Amaranths, 92:Pumpkins, 93:Cucumber, 94:Egg Plant, 95:Water melon, 96:Cauliflower, 99:Rambutan, 100:Okra, 101:Fiwi, 102:Coriander, 205:Pomegranate, 210:Dates, 212:Vanilla, 213:Strawberry, 214:Roselle, 215:Soursop, 300:Green Tomato, 307:Lemon grass, 312:Green beans, 851:Lime, 852:Lemon, 871:Tomatoes, 872:Bitter tomato, 901:Sweet/bell pepper, 902:Sweet potato leaves, 904:Figiri, sukuma wiki, 905:Brocol, 906:Pumpkin leaves, 907:Majani ya kunde, 921:Squash, 998:Other (specify)

[6] YesNoE01

Categories: 1:Yes, 2:No, 98:DO NOT READ: Refused, 99:DO NOT READ: Organization not present in this community

[7] Units

Categories: 1:Kilogram, 2:Gram, 3:Tonne, 4:Litre, 11:Small Piece, 12:Medium Piece, 13:Large Piece, 21:Small Heap, 22:Medium Heap, 23:Large Heap, 30:Tenga/Susu) straw basket, 41:Small bunch, 42:Medium bunch (mkungu), 43:Large bunch (mkungu), 44:Splinter (kichane/chana), 50: Bowl (Bakuli), 60:Cane (Kopo), 70:Jug (Jagi), 80:Tin Container, 91:Small Bucket, 92:Medium Bucket, 93:Large Bucket, 100:Sadoline, 111:Small Sack (25 kg), 112:Medium Sack (50 kg), 113:Large Sack (100 kg), 114:Extra large Sack (120 kg), 120:Glass (Glas), 131:Galon (1L), 132:Galon (2L), 133:Galon (3L), 134:Galon (5L), 135:Galon (10L), 136:Galon (20L), 130:Galon, 140:Crate (Sanduku), 150:Cup (Kikombe), 160:Bottle (Chupa), 170:Spoon (Koroboi), 180:Shuke (bunch of palm seeds), 190:Pishi, 200:Kibaba (cereals tin 05-1 Kgs), 210:Robota (bale), 220:Pakacha (woven basket for fruits), 231:Small bunch (vegetables), 232:Medium bunch (vegetables), 233:Large bunch (vegetables), 240:Kipolo, 250:Kagomba

[8] Condition

Categories: 12:Paddy husked (Mpunga), 13:Sorghum grain, 14:Bulrush millet grain, 15:Finger millet grain, 16:Wheat grain, 17:Barley grain, 21:Cassava fresh, 22:Sweet potatoes, fresh, 23:Irish potatoes fresh, 24:Yams fresh, 25:Cocoyams fresh, 27:Ginger fresh, 28:Garlic fresh, 36:Bambaranuts fresh, 38:Malay apple fresh, 41:Sunflower dry, 42: sesame grain, 43:Groundnuts shelled, 45:Coconut fresh, 46:Cashewnuts shelled, 50:Cotton fresh, 51:Tobacco fresh, 53:Sisal fresh, 55:Tea fresh, 57:Rubber sap (utomvu), 59:Kapok fresh, 60: Sugar cane fresh, 61:Cardamon fresh, 62:Jute fresh, 64:Cinnamon fresh, 66:Clove fresh, 68:Pomelo fresh, 69:Jack fruit fresh, 70:Passion Fruit fresh, 72:Avocado fresh, 74:Pawpaw fresh, 75:Pineapple fresh, 76:Orange fresh, 79:Mandarin fresh, 80:Guava fresh, 81:Plums fresh, 82:Apples fresh, 83:Pears fresh, 84:Peaches fresh, 86:Cabbage fresh, 88:Spinach fresh, 89:Carrot fresh, 91:Amaranthus (mchicha) fresh, 92:Pumpkins fresh, 93:Cucumber fresh, 94:Egg Plant fresh, 95:Water melon fresh, 96:Cauliflower fresh, 99:Rambutan fresh, 100:Okra fresh, 102:Coriander grain, 111:Maize grain, dry, 112:Maize on cob, fresh, 205:Pomegranate fresh, 210:Dates fresh, 212:Vanilla fresh, 213:Strawberry fresh, 215:Soursop fresh, 261:Onion fresh, 262:Onion fresh with stem (leaf) immature, 263:Onion fresh with stem (leaf) matured, 300:Green Tomato fresh, 307:Lemon grass fresh, 311:Beans with pod, fresh, 312:Beans without pod, dry, 321:Cowpeas fresh with shell, 322:Cowpeas Dried with shell, 331:Green gram fresh with shell, 332:Green gram grain Dried with shell, 333:Green gram grain Dried without shell, 341:Pigeon peas without pod, dry, 342:Pigeon peas without pod, fresh, 351:Chick peas fresh with shell, 352:Chick peas Dried with shell, 353:Chick peas Dried without shell, 371:Field peas fresh with shell, 372:Field peas Dried without shell, 441:Palm oil seeds, 442:Palm kernel, 471:Soybeans fresh with shells, 472:Soybeans dried with shells, 521:Pyrethrum flowers fresh, 522:Pyrethrum flowers dried, 541:Coffee beans dry husked, 542:Coffee fresh beans husked, 561:Cocoa fruit, 562:Cocoa fresh seeds, 563:Cocoa Dried seeds, 711:Banana fresh, green, 712:Banana fresh, riped, 731:Mango fresh riped, 732:Mango fresh not riped, 781:Grapes fruits (fresh) (Black), 782:Grapes fruits (Green), 851:Lime fresh, 852:Lemon fresh, 871:Tomatoes fresh, 872:Bitter tomato fresh, 9011:Chili (pilipili) fresh, 901:Sweet/bell pepper fresh, 9022:Chili (pilipili) dried, 902:Sweet potato leaves fresh, 904:Figiri, sukuma wiki fresh, 905:Brocol fresh, 907:Majani ya kunde fresh, 921:Squash fresh, 1011:Fiwi fresh with shell, 1013:Fiwi Dried with shell, 2141:Roselle fresh, 2142:Roselle dried, 3121:Green beans grain fresh with shell, 3122:Green beans grain Dried with shell, 9061:Pumpkin leave flower, 9062:Pumpkin leave, 998:Fresh, 999:Nafaka, 2004:Paddy unhusked (Mchele)

[9] importance_LevelF01

Categories: 0:Fully disagree, 1:Partly disagree, 3:Fully agree, 2:Partly agree, 97:(DO NOT READ): Don't know, 98:(DO NOT READ): Refused

[10] ENUM_ID_SCREEN: ENUM_ID_SCREEN - Enumerator enter his/her code.

Categories: 1:Aisha A Masoud..., 2:Beatrice Chaula ..., 3:Beatrice Mahundu..., 4:Edith Mwaipaja..., 5:Elizabeth L Milopa..., 6:Ester Godfrey ..., 7:Getrude Libert..., 8:Gift Makunguru..., 9:Grace Galuss Ulaya..., 10:Happy Magily..., 11: Hidayah Haji ..., 12:Jackline F Kiwia..., 13:Jackline Mwabuka..., 14:Joypretty Boniphace..., 15:Judith Paul Ngoma..., 16:Levina Atanas Mtei..., 17:Magreth Mzengi..., 18: Mariam Mathias..., 19:Mkundelida Mboya..., 20:Mwansiti Salehe Kileo..., 21:Neema Noyes Lyimo..., 22:Rebecca Jacob Msukwa..., 23:Rebecca Peter Mulungu..., 24:Rukia Adamu Gilbert..., 25:Specioza Kinyaiya..., 26:Stella Nyamkiju Jige..., 27:Tamla Moammed zuberi..., 28:Upendo Peter Alineki ..., 29:Veronica Mwisomba..., 30:Victoria Maro..., 31:Winnie Jeremiah ..., 32:Afsat Burian..., 33:Amina N Kisimbo..., 34:Amina S Limila..., 35:Angela Ally Mpoma..., 36:Anitha Kitiya..., 37:Anna Elisei..., 38:Asia D Kashoke..., 39:Azilat Abdul Issondo..., 40:Bernadetha Pesambili ..., 41:Careen Acrusius Guneti..., 42:Dorah S Shiletiwa..., 43:Doreen Cornel..., 44:Emmakulata E Manyika..., 45:Fatuma M. Nassoro..., 46:Flora koiisi Molle..., 47:Grace Felix..., 48:Hamida S Abdallah..., 49:Hilda M Millinga..., 50:Jackline August..., 51:Janeth E Minde..., 52:Linda C Mapunda..., 53:Magdalena Mangia..., 54:Maria P Sagamilwa..., 55: Mariam Kijanga..., 56:Martha J Chuwa..., 57: Mary Nyasoro Peter ..., 58:Mwanahamisi Mambole..., 59: Mwise Lemi Webiro..., 60:Neema B Sindiko..., 61:Neema Issa Mugalula..., 62:Oliver Moses Sagala..., 63:Ostina D Ndunguru..., 64:Paulina Gervas..., 65:Rehema R Kinanda..., 66:Shangwe M Raphael..., 67:Tabitha Boniface..., 68:Teddy Nyamle Nyamle..., 69:Theresia Z Sagamilwa..., 70:Veronica S Malangu..., 71:Yvonne Lee Munis..., 72:Zawadi Dominick..., 73:Zawadi J Hamimu..., 74:Salma Kombo Mshenga..., 75:Maimuna Himid Omar..., 76:Asya Salum Rashid..., 77:Sabiha Khamis Juma..., 78:Rahma Said Hassan..., 79:Asha Saleh Mbarouk..., 80:Albert Mwinuka..., 81:Aman Mussa..., 82: Athuman Juma ..., 83:Augustino Mathew..., 84:Bandawe S Moris..., 85:Charles Kideka ..., 86:Damson C Kilanga..., 87:Deodatus Mwendapole..., 88:Deogratias Kakomekome..., 89:Edes Mbelano..., 90:Edgar Gidion..., 91:Edward Thobias ..., 92:Emanuel Ndunguru..., 93:Erasmus Lyimo..., 94:Erick Anam ..., 95:Eric Dismas Chale ..., 96:Felix Mkumbi..., 97:Ferdinand F Nachenga..., 98:Frank Bitega Rashid ..., 99:Fransis F. Bukwimba..., 100:Gilbert Odo Komba..., 101:Godwin Safari Athanas..., 102:Goodluck Oscar Mengo..., 103:Hafidhi Suleman ..., 104:Hansiel Mndeme ..., 105:Hassan Tole..., 106:Japhet J Mshumbusi..., 107:Joas Joseph Bishaka..., 108:Jomo Mepukori..., 109:Joseph G Cosmas..., 110:Jovin Benobile ..., 111:Kassim O Chando ..., 112:Louis philipo jeremia ..., 113:Lucas E Mihambo..., 114:Mahuna O Msangi..., 115:Michael Saitore laizer..., 116:Nasibu

Abubakari Salum..., 117:Nyansio Deus Tiho..., 118:Oddo Titus..., 119:Peter Idana..., 120:Ramadhan Omary Salum..., 121:Raphael S Chelele ..., 122:Rashid Kamwe ..., 123:Rashid Y Ngaiza..., 124:Sabato KJuma ..., 125:Saidi Ndomba..., 126:Said Seleman ..., 127:Warren V Milanzi..., 128:Yusuf A Kuchengo ..., 129:Abubakari Nassoro..., 130:Alex Ibrahim..., 131:Aloyce M Nzige..., 132:Amini Kisailo..., 133:Ansigar Hillary..., 134:Bakari Ramadhani..., 135:Bartzar Fundikira..., 136:David Bakampenja ..., 137:Doran Runyoro..., 138:Edgar E Kundy..., 139:Eldebrand Ritte..., 140:Emanuel Marwa..., 141:Emanuel Ngamilo..., 142:Emmanuel Getorare..., 143:Fabian George ..., 144:Gama Mwendowasaa..., 145:Godlove John Mboje..., 146:Hashimu E Manyanda..., 147:Hussein S Khalfani..., 148:Ibrahim kibuli..., 149:Issa Bedon Mwambala..., 150:Japhet Fundi Migeke..., 151:Jeremia D Mfugwabo..., 152:John Eugene Siara..., 153:John Iddy Saidy..., 154:John Josephat ..., 155:John R Mwaikambo..., 156:Johnson I Maganga..., 157:Josephat Ritte..., 158:Kelvin Maghinde..., 159:Kenneth L Magoma..., 160:Lucas Kiringo..., 161:Lusajo Mwangalaba..., 162:Marthias Seleman Ajibu..., 163:Martine Shimba..., 164:Mbaraka W Moyo..., 165:Meoli Leiy..., 166:Mohamed S Lihikilo..., 167:Msafiri H Msekwa..., 168:Musa Matimbwa..., 169:Nzembu Bugumba..., 170:Paul Yohana Nondo..., 171:Salehe Mnana Liheny..., 172:Samwell Peter Zakaria..., 173:Sebastian Slousy..., 174:Rahimu Mwele..., 175:Seleman Kueketwa..., 176:Shaban Ahmad Fadhili..., 177:Shaban Mafuru..., 178:Shem Mwanjota..., 179:Shomari Mkengo..., 180:Spensa Lishela ..., 181:Uswege Mwakalebela ..., 182:Victor Prosper..., 183:Yohana J Mwenda..., 184:Ahmada Zahran..., 185:Khatibu Mohamed..., 186:Nadir Khamis Ali..., 187:Idris Abdulwakil Idris..., 188:Mkubwa Kombo Ali..., 189:Moh'd Mlekwa Yussuf..., 190:Moh'd Said Saleh..., 191:Moh'd Makame Abdulrahman ..., 192:Abdillah Wadi Nahoda..., 193:Omar Mbwana Dadi..., 194:Abdallah Ali Ayoub..., 195:Salim Abdalla Masoud..., 196:Saleh Is haka Juma..., 197:Abass Hassan Abdalla ..., 198:Isdory Kassanga...

[11] **SUP_ID_SCREEN: SUP_ID_SCREEN - Enumerator enter his/her team supervisor's code.**

Categories: 1:RSM_Arusha, 2:RSM_Dar, 3:RSM_Dodoma, 4:RSM_Geita, 5:RSM_Iringa, 6:RSM_Kagera, 7:RSM_Katavi, 8:RSM_Kilimanjaro, 9:RSM_Lindi, 10:RSM_Manyara, 11:RSM_Mara, 12:RSM_Mbeya, 13:RSM_Morogoro, 14:RSM_Mtwara, 15:RSM_Mwanza, 16:RSM_Njombe, 17:RSM_Pwani, 18:RSM_Rukwa, 19:RSM_Ruvuma, 20:RSM_Shinyanga, 21:RSM_Simiyu, 22:RSM_Singida, 23:RSM_Songwe, 24:RSM_Tabora, 25:RSM_Tanga, 26:RSM_Kigoma, 27:SupKas_Pemba, 28:SupKus_Pemba, 29:SupKas_Unguja, 30:SupKus_Unguja, 31:SupMj_Magharibi

[12] **ENUM_ID: ENUM_ID - Enumerator enter his/her code.**

Categories: 1:Aisha A Masoud..., 2:Beatrice Chaula ..., 3:Beatrice Mahundu..., 4:Edith Mwaipaja..., 5:Elizabeth L Milopa..., 6:Esther Godfrey ..., 7:Gertrude Libent..., 8:Gift Makunguru..., 9:Grace Galuss Ulaya..., 10:Happy Magily..., 11:Hidaya Haji ..., 12:Jackline F Kiwia..., 13:Jackline Mwabuka..., 14:Joypretty Boniphace..., 15:Judith Paul Ngoma..., 16:Levina Atanas Mtei..., 17:Magreth Mzengi..., 18:Mariam Mathias..., 19:Mkundelila Mboya..., 20:Mwansiti Salehe Kileo..., 21:Neema Noyes Lyimo..., 22:Rebecca Jacob Msukwa..., 23:Rebecca Peter Mulungu..., 24:Rukia Adamu Gilbert..., 25:Specioza Kinyaiya..., 26:Stella Nyamkiju Jige..., 27:Tamla Moammed zuberi..., 28:Upendo Peter Alineki ..., 29:Veronica Mwisomba..., 30:Victoria Maro..., 31:Winnie Jeremia ..., 32:Afsat Burian..., 33:Amina N Kisimbo..., 34:Amina S Limila..., 35:Angela Ally Mpoma..., 36:Anitha Kitinya..., 37:Anna Elisei..., 38:Asia D Kashoke..., 39:Azilat Abdul Issondo..., 40:Bernadetha Pesambili ..., 41:Careen Acrusius Guneti..., 42:Dorah S Shiletiwa..., 43:Doreen Cornel..., 44:Emmakulata E Manyika..., 45:Fatuma M. Nassoro..., 46:Flora koisi Maelle..., 47:Grace Felix..., 48:Hamida S Abdallah..., 49:Hilda M Millinga..., 50:Jackline August..., 51:Janeth E Minde..., 52:Linda C Mapunda..., 53:Magdalena Mangia..., 54:Maria P Sagamilwa..., 55:Mariam Kijanga..., 56:Martha J Chuwa..., 57:Mary Nyasoro Peter ..., 58:Mwanahamisi Mampole..., 59:Mwise Lemi Webiro..., 60:Neema B Sindiko..., 61:Neema Issa Mugalula..., 62:Oliver Moses Sagala..., 63:Ostina D Ndunguru..., 64:Paulina Gervas..., 65:Rehema R Kinanda..., 66:Shangwe M Raphael..., 67:Tabitha Boniface..., 68:Teddy Nyamle Nyamle..., 69:Theresia Z Sagamilwa..., 70:Veronica S Malangu..., 71:Yvonne Lee Munis..., 72:Zawadi Dominick..., 73:Zawadi J Hamimu..., 74:Salma Kombo Mshenga..., 75:Maimuna Himid Omar..., 76:Asya Salum Rashid..., 77:Sabiha Khamis Juma..., 78:Rahma Said Hassan..., 79:Asha Saleh Mbarouk..., 80:Albert Mwinuka..., 81:Aman Mussa..., 82:Athuman Juma ..., 83:Augustino Mathew..., 84:Bandawe S Moris..., 85:Charles Kideka ..., 86:Danson C Kilanga..., 87:Deodatus Mwendapole..., 88:Deogratias Kakomekome..., 89:Edes Mbelano..., 90:Edgar Gidion..., 91:Edward Thobias ..., 92:Emanuel Ndunguru..., 93:Erasmus Lyimo..., 94:Erick Anam ..., 95:Erick Dismas Chale ..., 96:Felix Mkumbi..., 97:Ferdinand F Nachenga..., 98:Frank Bitega Rashid ..., 99:Fransis F. Bukwimba..., 100:Gilbert Odo Komba..., 101:Godwin Safari Athanas..., 102:Goodluck Oscar Mengo..., 103:Hafidhi Suleman ..., 104:Hansiel Mndeme ..., 105:Hassan Tole..., 106:Japhet J Mshumbusi..., 107:Joas Joseph Bishaka..., 108:Jomo Mepukori..., 109:Joseph G Cosmas..., 110:Jovin Benobile ..., 111:Kassim O Chando ..., 112:Louis philipo jeremia ..., 113:Lucas E Mihambo..., 114:Mahuna O Msangi..., 115:Michael Saitore laizer..., 116:Nasibu Abubakari Salum..., 117:Nyansio Deus Tiho..., 118:Oddo Titus..., 119:Peter Idana..., 120:Ramadhan Omary Salum..., 121:Raphael S Chelele ..., 122:Rashid Kamwe ..., 123:Rashid Y Ngaiza..., 124:Sabato KJuma ..., 125:Saidi Ndomba..., 126:Said Seleman ..., 127:Warren V Milanzi..., 128:Yusuf A Kuchengo ..., 129:Abubakari Nassoro..., 130:Alex Ibrahim..., 131:Aloyce M Nzige..., 132:Amini Kisailo..., 133:Ansigar Hillary..., 134:Bakari Ramadhani..., 135:Bartzar Fundikira..., 136:David Bakampenja ..., 137:Doran Runyoro..., 138:Edgar E Kundy..., 139:Eldebrand Ritte..., 140:Emanuel Marwa..., 141:Emanuel Ngamilo..., 142:Emmanuel Getorare..., 143:Fabian George ..., 144:Gama Mwendowasaa..., 145:Godlove John Mboje..., 146:Hashimu E Manyanda..., 147:Hussein S Khalfani..., 148:Ibrahim kibuli..., 149:Issa Bedon Mwambala..., 150:Japhet Fundi Migeke..., 151:Jeremia D Mfugwabo..., 152:John Eugene Siara..., 153:John Iddy Saidy..., 154:John Josephat ..., 155:John R Mwaikambo..., 156:Johnson I Maganga..., 157:Josephat Ritte..., 158:Kelvin Maghinde..., 159:Kenneth L Magoma..., 160:Lucas Kiringo..., 161:Lusajo Mwangalaba..., 162:Marthias Seleman Ajibu..., 163:Martine Shimba..., 164:Mbaraka W Moyo..., 165:Meoli Leiy..., 166:Mohamed S Lihikilo..., 167:Msafiri H Msekwa..., 168:Musa Matimbwa..., 169:Nzembu Bugumba..., 170:Paul Yohana Nondo..., 171:Salehe Mnana Liheny..., 172:Samwell Peter Zakaria..., 173:Sebastian Slousy..., 174:Rahimu Mwele..., 175:Seleman Kueketwa..., 176:Shaban Ahmad Fadhili..., 177:Shaban Mafuru..., 178:Shem Mwanjota..., 179:Shomari Mkengo..., 180:Spensa Lishela ..., 181:Uswege Mwakalebela ..., 182:Victor Prosper..., 183:Yohana J Mwenda..., 184:Ahmada Zahran..., 185:Khatibu Mohamed..., 186:Nadir Khamis Ali..., 187:Idris Abdulwakil Idris..., 188:Mkubwa Kombo Ali..., 189:Moh'd Mlekwa Yussuf..., 190:Moh'd Said Saleh..., 191:Moh'd Makame Abdulrahman ..., 192:Abdillah Wadi Nahoda..., 193:Omar Mbwana Dadi..., 194:Abdallah Ali Ayoub..., 195:Salim Abdalla Masoud..., 196:Saleh Is haka Juma..., 197:Abass Hassan Abdalla ..., 198:Isdory Kassanga...

[13] **SUP_ID: SUP_ID - Enumerator enter his/her team supervisor's code.**

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[14] **s3q02b: s3q02b - In which region is <u>%rostartertitle%</u> field located?**

Categories: 1:Dodoma, 2:Arusha, 3:Kilimanjaro, 4:Tanga, 5:Morogoro, 6:Pwani, 7:Dar es Salaam, 8:Lindi, 9:Mtwara, 10:Ruvuma, 11:Iringa, 12:Mbeya, 13:Singida, 14:Tabora, 15:Rukwa, 16:Kigoma, 17:Shinyanga, 18:Kagera, 19:Mwanza, 20:Mara, 21:Manyara, 22:Njombe, 23:Katavi, 24:Simiyu, 25:Geita, 26:Songwe, 51:Kaskazini Unguja, 52:Kusini Unguja, 53:Mjini Magharibi, 54:Kaskazini Pemba, 55:Kusini Pemba

[15] **s3q02c: s3q02c - In which district is <u>%rostartertitle%</u> field located?**

Categories: 1:Bahi, 2:Chamwino, 3:Chemba, 4:Dodoma, 5:Kondoa, 6:Kongwa, 7:Mpwapwa, 8:Arumeru, 9:Arusha, 10:Karatu, 11:Longido, 12:Monduli, 13:Ngorongoro, 14:Hai, 15:Moshi, 16:Mwanga, 17:Rombo, 18:Same, 19:Siha, 20:Handeni, 21:Kilindi, 22:Korogwe, 23:Lushoto, 24:Mkinga, 25:Muheza, 26:Pangani, 27:Tanga, 28:Gairo, 29:Kilombero, 30:Kilosa, 31:Malinyi, 32:Morogoro, 33:Mvomero, 34:Ulanga, 35:Bagamoyo, 36:Kibaha, 37:Kibiti, 38:Kisarawe, 39:Mafia, 40:Mkuranga, 41:Rufiji, 42:Ilala, 43:Kigamboni, 44:Kinondoni, 45:Temeke, 46:Ubungo, 47:Kilwa, 48:Lindi, 49:Liwale, 50:Nachingwea, 51:Ruungwa, 52:Masasi, 53:Mtwara, 54:Nanyumbu, 55:Newala, 56:Tandahimba, 57:Mbinga, 58:Namtumbo, 59:Nyasa, 60:Songea, 61:Tunduru, 62:Iringa, 63:Kilolo, 64:Mufindi, 65:Chunya, 66:Kyela, 67:Mbarali, 68:Mbeya, 69:Rungwe, 70:Ikungi, 71:Iramba, 72:Manyoni, 73:Mkalama, 74:Singida, 75:Igunga, 76:Kaliua, 77:Nzega, 78:Sikonge, 79:Tabora, 80:Urambo, 81:Uyui, 82:Kalambo, 83:Nkasi, 84:Sumbawanga, 85:Buhigwe, 86:Kakonko, 87:Kasulu, 88:Kibondo, 89:Kigoma, 90:Uvinza, 91:Kahama, 92:Kishapu, 93:Shinyanga, 94:Biharamulo, 95:Bukoba, 96:Karagwe, 97:Kyerwa, 98:Missenyi, 99:Muleba, 100:Ngara, 101:Ilemela, 102:Kwimba, 103:Magu, 104:Misungwi, 105:Nyamagana, 106:Sengerema, 107:Ukerewe, 108:Bunda, 109:Butiama, 110:Musoma, 111:Rorya, 112:Serengeti, 113:Tarime, 114:Babati, 115:Hananu, 116:Kiteto, 117:Mbulu, 118:Simanjoro, 119:Ludewa, 120:Makete, 121:Njombe, 122:Wanging'ombe, 123:Melele, 124:Mpanda, 125:Tanganyika, 126:Bariadi, 127:Busega, 128:Itilima, 129:Maswa, 130:Meatu, 131:Bukombe, 132:Chato, 133:Geita, 134:Mbogwe, 135:Nyang'hwale, 136:Ileje, 137:Mbozi, 138:Momba, 139:Songwe, 140:Kaskazini A, 141:Kaskazini B, 142:Kati, 143:Kusini, 144:Magharibi A, 145:Magharibi B, 146:Mjini, 147:Micheweni, 148:Wete, 149:Chake Chake, 150:Mkoani

[16] **s20q01a: s20q01a - Which of the following [buildings or structures] did your household/farm use during the past agricultural year 2023/24 for storing crops, seeds or livestock or to perform agriculture related activities (e.g., storing fertilizers, milking animals, etc.)**

Categories: 1:Traditional grain silos..., 2:Warehouse (grain. Fertilizers, animal feeds)..., 3:Store..., 4:Cold storage rooms..., 5:Greenhouses/screen houses..., 6:Grain cribs..., 7:Machinery sheds..., 8:Crop drying sheds..., 9:Packhouses..., 11:Composting facilities..., 12:Silage pits/bunkers...,

13:Milking parlors..., 14:Livestock barns (Cattle, goats, sheep, pigs, poultry)..., 15:Skin drying sheds..., 16:Slaughterhouse..., 17:Slaughter slab..., 18:Butchery..., 19:Skin storage sheds..., 20:Permanent animal crush..., 21:Dam..., 22:Water trough..., 23:Dipping facility for large animals (Cattle, Horses, Donkeys)..., 24:Dipping facility for small animals (Goats, Sheep, Dogs)..., 25:Livestock spray race..., 26:Hatchery..., 27:Milk collection center..., 28:Aquaculture tanks or ponds..., 29:Livestock auction barns..., 30:Fumigation chambers..., 31:Modern grain silos...

[17] s20q03: s20q03 - What did you use this **<u>%rosteritle%** for?

Categories: 1:Storing crops, 4:Processing of crops, 5:Storing plant protection products, 6:Storing fertilizers, 7:Storing crop-related machinery and equipment, 8:Housing of poultry, 9:Housing of livestock other than poultry, 10:Milking, 11:Production of dairy products, 12:Meat production (slaughtering and first cuts), 13:Meat processing, 14:Preparation of hides and skins, 15:Storage for livestock-related machinery and equipment, 16:Other crop uses, 17:Other livestock uses....., 18:Storage of aquaculture products, 19:Storage of aquaculture-related machinery and equipment, 20:Tanks/water reservoirs, 21:Fish Ponds/tanks

[18] s21q01: s21q01 - Did you use any of the following **<u>INPUT TYPE** during the past agricultural year 2023/24?

Categories: 101:Seed/fertilizer drills - manual, 102:Transplanters - manual, 103:Threshers - manual, 104:Winnowers-Mannual, 105:Sprayers, 107:Hand pumps or other hand irrigation devices, 108:Sheller - manual, 109:Hand hoe, 110:Rake, 111:Shovel, 112:Sickle, 113:Panga, 114:Slather-manual operated, 115:Wheelbarrow, 117:Watering can, 118:Ropes, 120:Bags, 121:Hapa nets, 123:Weigh scale, 124:Feeders and Drinkers, 125:Electric meat cutter, 126:Debeaker, 127:Flying knife, 128:Scoop net, 129:Fishing net, 130:Boat/Dow, 131:Hook, 201:Ox- ploughs, 203:Cultivators, 205:Seed/fertilizer drills - animal powered, 206:Levellers, 207:Animal carts, 209:Animal ridger, 211:Animal Drawn Ripper (Cultivator), 299:Other animal powered equipment (specify), 301:Water pumps, 302:Drip irrigation equipment, 303:Sprinkler irrigation equipment, 304:Pivot Irrigation, 399:Other irrigation equipment (specify), 401:Stand-alone combustion engines, 402:Motors za umeme huru, 403:jenereta za uzalishaji wa umeme, 404:Computers, laptops, tablets or smart phones used for farm management, 405:Solar Power Equipments, 406:Drones, 499:Other machine powered equipment for general farm use (specify), 502:Four-wheel drive tractors/Two-wheel drive tractors, 507:Trailers, 508:Motorbicycle, 599:Other vehicles (specify), 601:Ploughs, 602:Power tillers, 603:Rotary tillers, 606:Cultivators - machine powered, 611:Seed/fertilizer drills, 613:Planters, 614:Transplanters, 699:Other machine powered land preparation and planting equipment (specify), 703:Sprayers - machine powered, 799:Other machine powered crop maintenance equipment (specify), 802:Hay rakes, 803:Hay balers, 804:Forage harvesters Chopper, 806:Combine harvesters, 810:Sugarcane harvesters, 899:Other machine powered crop harvesting equipment (specify), 901:Threshers, 902:Grain cleaners, 904:Winnowers, 905:Sheller, 999:Other post-harvest equipment (specify), 1001:Milking machines, 1002:Milk coolers, 1003:Cream separators, 1004:Other dairy equipment (packing, etc.), 1005:Incubators, 1006:Beekeeping equipment (honey extractors, etc.), 1007:Silage Cutter, 1008:Chopping forage machine (Chopper), 1009:Milling feed machine, 1010:Processing machine, 1011:Aerator machine, 1099:Other livestock equipment (specify)

APPENDIX E — VARIABLES

- [1] **s5q08e_vuli_harvests_kg:**
(s5q08e_lookup_value>0 || vuli_string_int_other.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114)) ? (s5q08e*conv_factors[(int)vuli_string_int_other].conv_fact) : 0
- [2] **trees_per_unit:**
(s4q03_unit==1 && (trees_per_hectares <= CropType[@rowcode].max_plants)) || (s4q03_unit==2 && (trees_per_acres <= (CropType[@rowcode].max_plants)/2.471)) || (s4q03_unit==3 && (trees_per_sqmeter <= (CropType[@rowcode].max_plants)/10000))
- [3] **s7q08c_vuli_harvests_kg:**
(s7q08c_lookup_value>0 || masika_string_int.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114)) ? (s7q08c*conv_factors[(int)masika_string_int].conv_fact) : 0
- [4] **s7q08e_masika_harvests_kg:**
(s7q08e_lookup_value>0 || masika_string_int_other.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114)) ? (s7q08e*conv_factors[(int)masika_string_int_other].conv_fact) : 0
- [5] **trees_per_unit_masika:**
(s6q03_unit==1 && (trees_per_hectares_masika <= CropType[@rowcode].max_plants)) || (s6q03_unit==2 && (trees_per_acres_masika <= (CropType[@rowcode].max_plants)/2.471)) || (s6q03_unit==3 && (trees_per_sqmeter_masika <= (CropType[@rowcode].max_plants)/10000))
- [6] **s8q04e_harvests_kg:**
(s8q04e_lookup_value>0 || string_int_other.InList(33323, 33350, 33391, 33392, 33393, 333111, 333112, 333113, 333114, 35380, 35393, 353113, 353114)) ? (s8q04e*conv_factors[(int)string_int_other].conv_fact) : 0
- [7] **milk_quantity:**
@rowcode==1 ? s14q03 <= s14q02*180*2.5 : @rowcode==2 ? s14q03 <= 300*30*s14q02 : @rowcode==3 ? s14q03 <= 75*1.5*s14q02 : @rowcode==4 ? s14q03 <= 120*3.25*s14q02 : false // minimum number of days required to produce the amount of milk reported (see LHS: more intuitive): //(s14q03/s14q02)/2.5 <= 180 <====> s14q03 <= s14q02*180*2.5 //(s14q03/s14q02)/30 <= 300 <====> s14q03 <= 300*30*s14q02 //(s14q03/s14q02)/1.5 <= 75 <====> s14q03 <= 75*1.5*s14q02 //(s14q03/s14q02)/3.25 <= 120 <====> s14q03 <= 120*3.25*s14q02
- [8] **eggs_per_clutchORmonth:**
(@rowcode == 7 && SCREENING==1) ? s15q01b * s15q07 : (@rowcode.InList(8,14) && SCREENING==1) ? s15q05*30*30 : (@rowcode==7 && SCREENING==2 && s15q02==1) ? s15q03/4 : (@rowcode==7 && SCREENING==2 && s15q02==0) ? s15q01b * s15q07 : (@rowcode.InList(8,14) && SCREENING==2 && s15q02==1) ? s15q04*30/12 : (@rowcode.InList(8,14) && SCREENING==2 && s15q02==0) ? s15q05*30*30 : 0
- [9] **remained_eggs:**
(@rowcode==7 && SCREENING==1) ? (egg_produced - (s15q09*s15q06)) : (@rowcode.InList(8,14) && SCREENING==1) ? (egg_produced - (s15q09*s15q04a)) : (@rowcode==7 && SCREENING==2 && s15q02==1) ? (egg_produced - (s15q09*4)) : (@rowcode==7 && SCREENING==2 && s15q02==0) ? (egg_produced - (s15q09*s15q06)) : (@rowcode.InList(8,14) && SCREENING==2 && s15q02==1) ? (egg_produced - (s15q09*12)) : (@rowcode.InList(8,14) && SCREENING==2 && s15q02==0) ? (egg_produced - (s15q09*s15q04a)) : 0
- [10] **egg_produced:**
(@rowcode == 7 && SCREENING==1) ? s15q01b * s15q06 * s15q07 : (@rowcode.InList(8,14) && SCREENING==1) ? s15q04a*s15q05*30*30 : (@rowcode==7 && SCREENING==2 && s15q02==1) ? s15q03 : (@rowcode==7 && SCREENING==2 && s15q02==0) ? s15q01b * s15q06 * s15q07 : (@rowcode.InList(8,14) && SCREENING==2 && s15q02==1) ? s15q04*30 : (@rowcode.InList(8,14) && SCREENING==2 && s15q02==0) ? s15q05*30*s15q04a*30 : 0 //test last row

APPENDIX F — CATEGORIES FILTERS

[1] **ENUM_ID: ENUM_ID - Enumerator enter his/her code.**

```
(TZ_ZAN ==1 && SELECT_SURVEY==1 && @optioncode.InRange(80,204)) || (TZ_ZAN ==1 && SELECT_SURVEY==2 && @optioncode.InRange(1,79)) || (TZ_ZAN ==1 && SELECT_SURVEY==0 && @optioncode.InRange(1,204)) || (TZ_ZAN ==2 && SELECT_SURVEY.InList(0,1,2) && @optioncode.InRange(1,204)) || (SCREENING==2 && @optioncode.InRange(1,204))
```

[2] **s5q04a_Unit: s5q04a_Unit - Unit**

```
(@optioncode==3 && @rowcode.InList(21,22,24,78,212,902,60)) || (@optioncode==4 && @rowcode.InList(26, 28, 213, 214, 89, 90, 91, 901, 921, 904, 905, 93, 94, 96, 100, 102, 61)) || (@optioncode==1 && @rowcode.InList(11, 13, 14, 15, 16, 17, 23, 27, 31, 32, 33, 35, 36, 37, 41, 42, 43, 47, 312, 92, 906, 907, 101, 50, 52, 34)) || (@optioncode.InList(1,4) && @rowcode.InList(95,205)) || (@optioncode.InList(2,4) && @rowcode.InList(86, 871, 872, 88, 51, 300)) || (@optioncode.InList(1,2) && @rowcode.InList(38,12, 70, 72, 73, 74, 76, 79, 80, 81, 82, 83, 84, 68, 69, 99, 210, 215, 851, 852, 54, 55, 56, 66, 44, 45, 46)) || (@optioncode.InList(2) && @rowcode.InList(71, 75, 53, 64, 307)) || (@optioncode.InList(2,3) && @rowcode==25) || (@optioncode.InList(1,2,3,4) && @rowcode==998)
```

[3] **s5q08c_unit: s5q08c_unit - Harvest unit**

```
@rowcode == 12 ? @optioncode.InList(1,2,3,80,91,92,93,111,112,113,114,115,116,117,119,121,122,123,190,200) : @rowcode == 13 ? @optioncode.InList(1,2,3,50,60,80,91,92,93,111,112,113,114,190,200,100,150) : @rowcode == 14 ? @optioncode.InList(1,2,3,50,60,92,93,100,111,112,113,114) : @rowcode == 15 ? @optioncode.InList(1,2,3,60,91,93,100,111,112,113,114,150,50) : @rowcode == 16 ? @optioncode.InList(1,2,3,50,80,91,93,113,114,100) : @rowcode == 17 ? @optioncode.InList(1,2,3) : @rowcode == 21 ? @optioncode.InList(1,2,3,10,11,12,13,91,92,93,111,112,113,114,100) : @rowcode == 22 ? @optioncode.InList(1,2,3,21,22,23,30,80,91,92,93,111,112,113,114,100) : @rowcode == 23 ? @optioncode.InList(1,2,3,21,22,23,80,91,92,93,100,111,112,113,114,122) : @rowcode == 24 ? @optioncode.InList(1,2,3,21,22,23,30,93,111,112,113) : @rowcode == 25 ? @optioncode.InList(1,2,3,10,12,13,21,22,23,30,91,93,111,112,113,114) : @rowcode == 27 ? @optioncode.InList(1,2,3) : @rowcode == 28 ? @optioncode.InList(1,2,3,80,114) : @rowcode == 34 ? @optioncode.InList(1,2,3,50,60,70,80,91,92,93,111,112,113,114,200,190) : @rowcode == 36 ? @optioncode.InList(1,2,3,91,93,111,112,113,114) : @rowcode == 38 ? @optioncode.InList(1,2,3,10,111) : @rowcode == 41 ? @optioncode.InList(1,2,3,91,92,93,100,112,113,114) : @rowcode == 42 ? @optioncode.InList(1,2,3,91,92,93,100,112,113,114) : @rowcode == 43 ? @optioncode.InList(1,2,3,22,23,50,60,80,91,92,93,111,112,113,114,150,190) : @rowcode == 45 ? @optioncode.InList(1,2,3,10,11,12,13,111,112,113,114) : @rowcode == 46 ? @optioncode.InList(1,2,3,50,80,93,100,111,112,113,114) : @rowcode == 50 ? @optioncode.InList(1,2,3,114,210) : @rowcode == 51 ? @optioncode.InList(1,2,3,210) : @rowcode == 53 ? @optioncode.InList(1,2,3) : @rowcode == 55 ? @optioncode.InList(1,2,3) : @rowcode == 60 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23) : @rowcode == 61 ? @optioncode.InList(1,2,3,80,91,93,113) : @rowcode == 64 ? @optioncode.InList(1,2,3,112) : @rowcode == 66 ? @optioncode.InList(1,2,3,112,113,190) : @rowcode == 68 ? @optioncode.InList(1,2,3) : @rowcode == 69 ? @optioncode.InList(1,2,3,10,12,13) : @rowcode == 70 ? @optioncode.InList(1,2,3,10,91,93) : @rowcode == 72 ? @optioncode.InList(1,2,3,10,11,12,13,30,111,112,113,114) : @rowcode == 74 ? @optioncode.InList(1,2,3,10,11,12,13) : @rowcode == 75 ? @optioncode.InList(1,2,3,10,11,12,13) : @rowcode == 76 ? @optioncode.InList(1,2,3,10,11,12,13,30,91,93) : @rowcode == 79 ? @optioncode.InList(1,2,3,10,30,91,93) : @rowcode == 80 ? @optioncode.InList(1,2,3,10,12,50,91,93) : @rowcode == 81 ? @optioncode.InList(1,2,3,93,100) : @rowcode == 82 ? @optioncode.InList(1,2,3,93) : @rowcode == 83 ? @optioncode.InList(1,2,3,10,93) : @rowcode == 84 ? @optioncode.InList(1,2,3,30,93) : @rowcode == 86 ? @optioncode.InList(1,2,3,10,12,13,30,112,113) : @rowcode == 88 ? @optioncode.InList(1,2,3,21,22,23) : @rowcode == 89 ? @optioncode.InList(1,2,3,22,80,93,111,112,113,114) : @rowcode == 91 ? @optioncode.InList(1,2,3,50,80,91,92,93,111,112,113,114) : @rowcode == 92 ? @optioncode.InList(1,2,3,10,11,12,13,23,30) : @rowcode == 93 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23,30,111,112,113,114) : @rowcode == 94 ? @optioncode.InList(1,2,3,21,23,30,91,93,111,112,113,114) : @rowcode == 95 ? @optioncode.InList(1,2,3,10,11,12,13,30) : @rowcode == 96 ? @optioncode.InList(1,2,3) : @rowcode == 99 ? @optioncode.InList(1,2,3,111,112) : @rowcode == 100 ? @optioncode.InList(1,2,3,21,22,23,30,91,93,100,140) : @rowcode == 102 ? @optioncode.InList(1,2,3,113) : @rowcode == 11 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23,50,91,92,93,100,111,112,113,114) : @rowcode == 205 ? @optioncode.InList(1,2,3,10,92) : @rowcode == 210 ? @optioncode.InList(1,2,3) : @rowcode == 212 ? @optioncode.InList(1,2,3) : @rowcode == 213 ? @optioncode.InList(1,2,3) : @rowcode == 215 ? @optioncode.InList(1,2,3) : @rowcode == 26 ? @optioncode.InList(1,2,3,11,21,22,23,30,91,92,93,100,112,113,114) : @rowcode == 300 ? @optioncode.InList(1,2,3) : @rowcode == 307 ? @optioncode.InList(1,2,3) : @rowcode == 31 ? @optioncode.InList(1,2,3,21,22,23,50,60,70,80,91,92,93,111,112,113,114,120,150) : @rowcode == 32 ? @optioncode.InList(1,2,3,21,22,23,50,80,91,92,93,100,111,112,113,114) : @rowcode == 33 ? @optioncode.InList(1,2,3,23,50,91,92,93,111,112,113,114) : @rowcode == 35 ? @optioncode.InList(1,2,3,80,93,113,114) : @rowcode == 37 ? @optioncode.InList(1,2,3,80,93,113,114) : @rowcode == 44 ? @optioncode.InList(1,2,3,10,112,113,180) : @rowcode == 47 ? @optioncode.InList(1,2,3,91,93,113,114) : @rowcode == 52 ? @optioncode.InList(1,2,3,80) : @rowcode == 54 ? @optioncode.InList(1,2,3,50,60,80,91,93,100,111,112,113,114) : @rowcode == 56 ? @optioncode.InList(1,2,3,60,91,93,111,113,114) : @rowcode == 71 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23,30,41,42,43,44,111,112,114) : @rowcode == 73 ? @optioncode.InList(1,2,3,10,11,12,13,30,91,93,100) : @rowcode == 78 ? @optioncode.InList(1,2,3) : @rowcode == 851 ? @optioncode.InList(1,2,3) : @rowcode == 852 ? @optioncode.InList(1,2,3) : @rowcode == 871 ? @optioncode.InList(1,2,3,21,22,23,30) : @rowcode == 872 ? @optioncode.InList(1,2,3,91,93,100) : @rowcode == 90 ? @optioncode.InList(1,2,3,21,22,23,91,93,100) : @rowcode == 901 ? @optioncode.InList(1,2,3,21,22,23,91,93,100) : @rowcode == 902 ? @optioncode.InList(1,2,3) : @rowcode == 904 ? @optioncode.InList(1,2,3,21,22,23) : @rowcode == 905 ? @optioncode.InList(1,2,3) : @rowcode == 907 ? @optioncode.InList(1,2,3) : @rowcode == 921 ? @optioncode.InList(1,2,3) : @rowcode == 101 ? @optioncode.InList(1,2,3,50,80,92,93,111,112,113,114) : @rowcode == 214 ? @optioncode.InList(1,2,3) : @rowcode == 312 ? @optioncode.InList(1,2,3) : @rowcode == 906 ? @optioncode.InList(1,2,3,21,22,23) : @rowcode == 998 ? @optioncode.InList(1,2,3) : true
```

[4] **s5q8c_state: s5q8c_state - Harvest state/condition**

```
@rowcode ==11 ? @optioncode.InList(111,112) : @rowcode ==12 ? @optioncode.InList(12,2004) : @rowcode ==13 ? @optioncode==13 : @rowcode ==14 ? @optioncode==14 : @rowcode ==15 ? @optioncode==15 : @rowcode ==16 ? @optioncode==16 : @rowcode ==17 ? @optioncode==17 : @rowcode ==21 ? @optioncode==21 : @rowcode ==22 ? @optioncode==22 : @rowcode ==23 ? @optioncode==23 : @rowcode ==24 ? @optioncode==24 : @optioncode==25 ? @optioncode==25 : @rowcode ==26 ? @optioncode.InList(261,262,263) : @rowcode ==27 ? @optioncode==27 : @rowcode ==28 ? @optioncode==28 : @rowcode ==31 ? @optioncode.InList(311,312) : @rowcode ==32 ? @optioncode.InList(321,322) : @rowcode ==33 ? @optioncode.InList(331,332,333) : @rowcode ==34 ? @optioncode.InList(341,342) : @rowcode ==35 ? @optioncode.InList(351,352,353) : @rowcode ==36 ? @optioncode==36 : @rowcode ==37 ? @optioncode.InList(371,372) : @rowcode ==38 ? @optioncode==38 : @rowcode ==41 ? @optioncode==41 : @rowcode ==42 ? @optioncode==42 : @rowcode ==43 ? @optioncode==43 : @rowcode ==44 ? @optioncode.InList(441,442) : @rowcode ==45 ? @optioncode==45 : @rowcode ==46 ? @optioncode==46 : @rowcode ==47 ? @optioncode.InList(471,472) : @rowcode ==50 ? @optioncode==50 : @rowcode ==51 ? @optioncode==51 : @rowcode ==52 ? @optioncode.InList(521,522) : @rowcode ==53 ? @optioncode==53 : @rowcode ==54 ? @optioncode.InList(541,542) : @rowcode ==55 ? @optioncode==55 : @rowcode ==56 ? @optioncode.InList(561,562,563) : @rowcode ==57 ? @optioncode==57 : @rowcode ==59 ? @optioncode==59 : @rowcode ==60 ? @optioncode==60 : @rowcode ==61 ? @optioncode==61 : @rowcode ==62 ? @optioncode==62 : @rowcode ==64 ? @optioncode==64 : @rowcode ==66 ? @optioncode==66 : @rowcode ==68 ? @optioncode==68 : @rowcode ==69 ? @optioncode==69 : @rowcode ==70 ? @optioncode==70 : @rowcode ==71 ? @optioncode.InList(711,712) : @rowcode ==72 ? @optioncode==72 : @rowcode ==73 ? @optioncode.InList(731,732) : @rowcode ==74 ? @optioncode==74 : @rowcode ==75 ? @optioncode==75 : @rowcode ==76 ? @optioncode==76 : @rowcode ==78 ? @optioncode.InList(781,782) : @rowcode ==79 ? @optioncode==79 : @rowcode ==80 ? @optioncode==80 : @rowcode ==81 ? @optioncode==81 : @rowcode ==82 ? @optioncode==82 : @rowcode ==83 ? @optioncode==83 : @rowcode ==84 ? @optioncode==84 : @rowcode ==86 ? @optioncode==86 : @rowcode ==88 ? @optioncode==88 : @rowcode ==89 ? @optioncode==89 : @rowcode ==90 ? @optioncode.InList(9011,9022) : @rowcode ==91 ? @optioncode==91 : @rowcode ==92 ? @optioncode==92 : @rowcode ==93 ? @optioncode==93 : @rowcode ==94 ? @optioncode==94 : @rowcode ==95 ? @optioncode==95 : @rowcode ==96 ? @optioncode==96 : @rowcode ==97 ? @optioncode==97 : @rowcode ==99 ? @optioncode==99 : @rowcode ==100 ? @optioncode==100 : @rowcode ==101 ?
```

@optioncode.InList(1011,1013) :@rowcode ==102 ? @optioncode==102 :@rowcode ==205 ? @optioncode==205 :@rowcode ==210 ?
@optioncode==210 :@rowcode ==212 ? @optioncode==212 :@rowcode ==213 ? @optioncode==213 :@rowcode ==214 ?
@optioncode.InList(2141,2142) :@rowcode ==215 ? @optioncode==215 :@rowcode ==300 ? @optioncode==300 :@rowcode ==307 ?
@optioncode==307 :@rowcode ==312 ? @optioncode.InList(3121,3122) :@rowcode ==851 ? @optioncode==851 :@rowcode ==852 ?
@optioncode==852 :@rowcode ==871 ? @optioncode==871 :@rowcode ==872 ? @optioncode==872 :@rowcode ==901 ? @optioncode==901
:@rowcode ==902 ? @optioncode==902 :@rowcode ==904 ? @optioncode==904 :@rowcode ==905 ? @optioncode==905 :@rowcode ==906 ?
@optioncode.InList(9061,9062) :@rowcode ==907 ? @optioncode==907 :@rowcode ==921 ? @optioncode==921 :@rowcode ==998 ?
@optioncode.InList(998,999) : true

[5] [s5q08e_unit: s5q08e_unit - Harvest unit](#)

@rowcode == 12 ? @optioncode.InList(1,2,3,80,91,92,93,111,112,113,114,115,116,117,119,121,122,123,190,200) :@rowcode == 13 ?
@optioncode.InList(1,2,3,50,60,80,91,92,93,111,112,113,114,190,200,100,150) :@rowcode == 14 ?
@optioncode.InList(1,2,3,50,60,92,93,100,111,112,113,114) :@rowcode == 15 ? @optioncode.InList(1,2,3,60,91,93,100,111,112,113,114,150,50)
: @rowcode == 16 ? @optioncode.InList(1,2,3,50,80,91,93,113,114,100) :@rowcode == 17 ? @optioncode.InList(1,2,3) :@rowcode == 21 ?
@optioncode.InList(1,2,3,10,11,12,13,91,92,93,111,112,113,114,100) :@rowcode == 22 ?
@optioncode.InList(1,2,3,21,22,23,30,80,91,92,93,111,112,113,114,100) :@rowcode == 23 ?
@optioncode.InList(1,2,3,21,22,23,80,91,92,93,100,111,112,113,114,122) :@rowcode == 24 ?
@optioncode.InList(1,2,3,21,22,23,30,93,111,112,113) :@rowcode == 25 ?
@optioncode.InList(1,2,3,10,12,13,21,22,23,30,91,93,111,112,113,114) :@rowcode == 27 ? @optioncode.InList(1,2,3) :@rowcode == 28 ?
@optioncode.InList(1,2,3,80,114) :@rowcode == 34 ? @optioncode.InList(1,2,3,50,60,70,80,91,92,93,111,112,113,114,200,190) :@rowcode ==
36 ? @optioncode.InList(1,2,3,91,93,111,112,113,114) :@rowcode == 38 ? @optioncode.InList(1,2,3,10,11) :@rowcode == 41 ?
@optioncode.InList(1,2,3,91,92,93,100,112,113,114) :@rowcode == 42 ? @optioncode.InList(1,2,3,91,92,93,100,112,113,114) :@rowcode == 43 ?
@optioncode.InList(1,2,3,22,23,50,60,80,91,92,93,111,112,113,114,150,190) :@rowcode == 45 ?
@optioncode.InList(1,2,3,10,11,12,13,111,112,113,114) :@rowcode == 46 ? @optioncode.InList(1,2,3,50,80,93,100,111,112,113,114) :@rowcode
== 50 ? @optioncode.InList(1,2,3,114,210) :@rowcode == 51 ? @optioncode.InList(1,2,3,210) :@rowcode == 53 ? @optioncode.InList(1,2,3) :
@rowcode == 55 ? @optioncode.InList(1,2,3) :@rowcode == 60 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23) :@rowcode == 61 ?
@optioncode.InList(1,2,3,80,91,93,113) :@rowcode == 64 ? @optioncode.InList(1,2,3,112) :@rowcode == 66 ?
@optioncode.InList(1,2,3,112,113,190) :@rowcode == 68 ? @optioncode.InList(1,2,3) :@rowcode == 69 ? @optioncode.InList(1,2,3,10,12,13) :
@rowcode == 70 ? @optioncode.InList(1,2,3,10,91,93) :@rowcode == 72 ? @optioncode.InList(1,2,3,10,11,12,13,30,111,112,113,114) :@rowcode
== 74 ? @optioncode.InList(1,2,3,10,11,12,13) :@rowcode == 75 ? @optioncode.InList(1,2,3,10,11,12,13) :@rowcode == 76 ?
@optioncode.InList(1,2,3,10,11,12,13,30,91,93) :@rowcode == 79 ? @optioncode.InList(1,2,3,10,30,91,93) :@rowcode == 80 ?
@optioncode.InList(1,2,3,10,12,50,91,93) :@rowcode == 81 ? @optioncode.InList(1,2,3,93,100) :@rowcode == 82 ? @optioncode.InList(1,2,3,93) :
@rowcode == 83 ? @optioncode.InList(1,2,3,10,93) :@rowcode == 84 ? @optioncode.InList(1,2,3,30,93) :@rowcode == 86 ?
@optioncode.InList(1,2,3,10,12,13,30,112,113) :@rowcode == 88 ? @optioncode.InList(1,2,3,21,22,23) :@rowcode == 89 ?
@optioncode.InList(1,2,3,22,80,93,111,112,113,114) :@rowcode == 91 ? @optioncode.InList(1,2,3,50,80,91,92,93,111,112,113,114) :@rowcode
== 92 ? @optioncode.InList(1,2,3,10,11,12,13,23,30) :@rowcode == 93 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23,30,111,112,113,114) :
@rowcode == 94 ? @optioncode.InList(1,2,3,21,23,30,91,93,111,112,113,114) :@rowcode == 95 ? @optioncode.InList(1,2,3,10,11,12,13,30) :
@rowcode == 96 ? @optioncode.InList(1,2,3) :@rowcode == 99 ? @optioncode.InList(1,2,3,111,112) :@rowcode == 100 ?
@optioncode.InList(1,2,3,21,22,23,30,91,93,100,140) :@rowcode == 102 ? @optioncode.InList(1,2,3,113) :@rowcode == 11 ?
@optioncode.InList(1,2,3,10,11,12,13,21,22,23,50,91,92,93,100,111,112,113,114) :@rowcode == 205 ? @optioncode.InList(1,2,3,10,92) :
@rowcode == 210 ? @optioncode.InList(1,2,3) :@rowcode == 212 ? @optioncode.InList(1,2,3) :@rowcode == 213 ? @optioncode.InList(1,2,3) :
@rowcode == 215 ? @optioncode.InList(1,2,3) :@rowcode == 26 ? @optioncode.InList(1,2,3,11,21,22,23,30,91,92,93,100,112,113,114) :
@rowcode == 300 ? @optioncode.InList(1,2,3) :@rowcode == 307 ? @optioncode.InList(1,2,3) :@rowcode == 31 ?
@optioncode.InList(1,2,3,21,22,23,50,60,70,80,91,92,93,111,112,113,114,120,150) :@rowcode == 32 ?
@optioncode.InList(1,2,3,21,22,23,50,80,91,92,93,100,111,112,113,114) :@rowcode == 33 ?
@optioncode.InList(1,2,3,23,50,91,92,93,111,112,113,114) :@rowcode == 35 ? @optioncode.InList(1,2,3,80,93,113,114) :@rowcode == 37 ?
@optioncode.InList(1,2,3,80,93,113,114) :@rowcode == 44 ? @optioncode.InList(1,2,3,10,112,113,180) :@rowcode == 47 ?
@optioncode.InList(1,2,3,91,93,113,114) :@rowcode == 52 ? @optioncode.InList(1,2,3,80) :@rowcode == 54 ?
@optioncode.InList(1,2,3,50,60,80,91,93,100,111,112,113,114) :@rowcode == 56 ? @optioncode.InList(1,2,3,60,91,93,111,113,114) :@rowcode
== 71 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23,30,41,42,43,44,111,112,114) :@rowcode == 73 ?
@optioncode.InList(1,2,3,10,11,12,13,30,91,93,100) :@rowcode == 78 ? @optioncode.InList(1,2,3) :@rowcode == 851 ? @optioncode.InList(1,2,3)
: @rowcode == 852 ? @optioncode.InList(1,2,3) :@rowcode == 871 ? @optioncode.InList(1,2,3,21,22,23,30) :@rowcode == 872 ?
@optioncode.InList(1,2,3,91,93,100) :@rowcode == 90 ? @optioncode.InList(1,2,3,21,22,23,91,93,100) :@rowcode == 901 ?
@optioncode.InList(1,2,3,21,22,23,91,93,100) :@rowcode == 902 ? @optioncode.InList(1,2,3) :@rowcode == 904 ?
@optioncode.InList(1,2,3,21,22,23) :@rowcode == 905 ? @optioncode.InList(1,2,3) :@rowcode == 907 ? @optioncode.InList(1,2,3) :@rowcode ==
921 ? @optioncode.InList(1,2,3) :@rowcode == 101 ? @optioncode.InList(1,2,3,50,80,92,93,111,112,113,114) :@rowcode == 214 ?
@optioncode.InList(1,2,3) :@rowcode == 312 ? @optioncode.InList(1,2,3) :@rowcode == 906 ? @optioncode.InList(1,2,3,21,22,23) :@rowcode ==
998 ? @optioncode.InList(1,2,3) : true

[6] [s5q8e_state: s5q8e_state - Harvest state/condition](#)

@rowcode ==11 ? @optioncode.InList(111,112) :@rowcode ==12 ? @optioncode.InList(12,2004) :@rowcode ==13 ? @optioncode==13 :@rowcode
==14 ? @optioncode==14 :@rowcode ==15 ? @optioncode==15 :@rowcode ==16 ? @optioncode==16 :@rowcode ==17 ? @optioncode==17
: @rowcode ==21 ? @optioncode==21 :@rowcode ==22 ? @optioncode==22 :@rowcode ==23 ? @optioncode==23 :@rowcode ==24 ?
@optioncode==24 :@rowcode ==25 ? @optioncode==25 :@rowcode ==26 ? @optioncode==26 ? @optioncode.InList(261,262,263) :@rowcode ==27 ?
@optioncode==27 :@rowcode ==28 ? @optioncode==28 :@rowcode ==31 ? @optioncode.InList(311,312) :@rowcode ==32 ?
@optioncode.InList(321,322) :@rowcode ==33 ? @optioncode.InList(331,332,333) :@rowcode ==34 ? @optioncode.InList(341,342) :@rowcode
==35 ? @optioncode.InList(351,352,353) :@rowcode ==36 ? @optioncode==36 :@rowcode ==37 ? @optioncode.InList(371,372) :@rowcode ==38
? @optioncode==38 :@rowcode ==41 ? @optioncode==41 :@rowcode ==42 ? @optioncode==42 :@rowcode ==43 ? @optioncode==43 :@rowcode
==44 ? @optioncode.InList(441,442) :@rowcode ==45 ? @optioncode==45 :@rowcode ==46 ? @optioncode==46 :@rowcode ==47 ?
@optioncode.InList(471,472) :@rowcode ==50 ? @optioncode==50 :@rowcode ==51 ? @optioncode==51 :@rowcode ==52 ?
@optioncode.InList(521,522) :@rowcode ==53 ? @optioncode==53 :@rowcode ==54 ? @optioncode.InList(541,542) :@rowcode ==55 ?
@optioncode==55 :@rowcode ==56 ? @optioncode.InList(561,562,563) :@rowcode ==57 ? @optioncode==57 :@rowcode ==59 ?
@optioncode==59 :@rowcode ==60 ? @optioncode==60 :@rowcode ==61 ? @optioncode==61 :@rowcode ==62 ? @optioncode==62 :@rowcode
==64 ? @optioncode==64 :@rowcode ==66 ? @optioncode==66 :@rowcode ==68 ? @optioncode==68 :@rowcode ==69 ? @optioncode==69
: @rowcode ==70 ? @optioncode==70 :@rowcode ==71 ? @optioncode.InList(711,712) :@rowcode ==72 ? @optioncode==72 :@rowcode ==73 ?
@optioncode.InList(731,732) :@rowcode ==74 ? @optioncode==74 :@rowcode ==75 ? @optioncode==75 :@rowcode ==76 ? @optioncode==76
: @rowcode ==78 ? @optioncode.InList(781,782) :@rowcode ==79 ? @optioncode==79 :@rowcode ==80 ? @optioncode==80 :@rowcode ==81 ?
@optioncode==81 :@rowcode ==82 ? @optioncode==82 :@rowcode ==83 ? @optioncode==83 :@rowcode ==84 ? @optioncode==84 :@rowcode
==86 ? @optioncode==86 :@rowcode ==88 ? @optioncode==88 :@rowcode ==89 ? @optioncode==89 :@rowcode ==90 ?
@optioncode.InList(9011,9022) :@rowcode ==91 ? @optioncode==91 :@rowcode ==92 ? @optioncode==92 :@rowcode ==93 ? @optioncode==93
: @rowcode ==94 ? @optioncode==94 :@rowcode ==95 ? @optioncode==95 :@rowcode ==96 ? @optioncode==96 :@rowcode ==97 ?
@optioncode==97 :@rowcode ==99 ? @optioncode==99 :@rowcode ==100 ? @optioncode==100 :@rowcode ==101 ?
@optioncode.InList(1011,1013) :@rowcode ==102 ? @optioncode==102 :@rowcode ==205 ? @optioncode==205 :@rowcode ==210 ?
@optioncode==210 :@rowcode ==212 ? @optioncode==212 :@rowcode ==213 ? @optioncode==213 :@rowcode ==214 ?
@optioncode.InList(2141,2142) :@rowcode ==215 ? @optioncode==215 :@rowcode ==300 ? @optioncode==300 :@rowcode ==307 ?
@optioncode==307 :@rowcode ==312 ? @optioncode.InList(3121,3122) :@rowcode ==851 ? @optioncode==851 :@rowcode ==852 ?
@optioncode==852 :@rowcode ==871 ? @optioncode==871 :@rowcode ==872 ? @optioncode==872 :@rowcode ==901 ? @optioncode==901
:@rowcode ==902 ? @optioncode==902 :@rowcode ==904 ? @optioncode==904 :@rowcode ==905 ? @optioncode==905 :@rowcode ==906 ?
@optioncode.InList(9061,9062) :@rowcode ==907 ? @optioncode==907 :@rowcode ==921 ? @optioncode==921 :@rowcode ==998 ?
@optioncode.InList(998,999) : true

[7] [s5q14b_unit: s5q14b - UNIT](#)

(@optioncode==3 && @rowcode.InList(21,22,24,78,212,902,19,60)) || (@optioncode.InList(1,3) && @rowcode.InList(26, 28, 213, 214, 89, 90, 91, 97, 901, 921, 903, 904, 905, 93, 94, 96, 100, 102, 61, 95, 11, 12, 13, 14, 15, 16, 17, 23, 27, 31, 32, 33, 35, 36, 37, 41, 42, 43, 47, 48, 312, 200, 92, 906, 907, 101, 50, 52, 34, 205)) || (@optioncode.InList(1,2,4) && @rowcode.InList(86, 871, 872, 88, 51, 300, 38, 70, 72, 73, 74, 76, 77, 79, 80, 81, 82, 83, 84, 68, 69, 97, 98, 99, 201, 210, 215, 851, 852, 54, 55, 56, 63, 65, 44, 45, 46, 110)) || (@optioncode.InList(1,3) && @rowcode==18) || (@optioncode.InList(2) && @rowcode.InList(71, 75, 66,67, 53, 64, 307)) || (@optioncode.InList(1,3) && @rowcode.InList(2,3))

[8] s7q04a_Unit: s7q04a_Unit - Unit

(@optioncode==3 && @rowcode.InList(21,22,24,78,212,902,60)) || (@optioncode==4 && @rowcode.InList(26, 28, 213, 214, 89, 90, 91, 901, 921, 904, 905, 93, 94, 96, 100, 102, 61)) || (@optioncode==1 && @rowcode.InList(11, 13, 14, 15, 16, 17, 23, 27, 31, 32, 33, 35, 36, 37, 41, 42, 43, 47, 312, 92, 906, 907, 101, 50, 52, 34)) || (@optioncode.InList(1,4) && @rowcode.InList(95,205)) || (@optioncode.InList(2,4) && @rowcode.InList(86, 871, 872, 88, 51, 300)) || (@optioncode.InList(1,2) && @rowcode.InList(38,12, 70, 72, 73, 74, 76, 79, 80, 81, 82, 83, 84, 68, 69, 99, 210, 215, 851, 852, 54, 55, 56, 66, 44, 45, 46)) || (@optioncode.InList(2) && @rowcode.InList(71, 75, 53, 64, 307)) || (@optioncode.InList(2,3) && @rowcode==25) || (@optioncode.InList(1,2,3,4) && @rowcode==998)

[9] s7q08c_unit: s7q08c_unit - Harvest unit

@rowcode == 12 ? @optioncode.InList(1,2,3,80,91,92,93,111,112,113,114,115,116,117,119,121,122,123,190,200) : @rowcode == 13 ?
@optioncode.InList(1,2,3,50,60,80,91,92,93,111,112,113,114,190,200,100,150) : @rowcode == 14 ?
@optioncode.InList(1,2,3,50,60,92,93,100,111,112,113,114) : @rowcode == 15 ? @optioncode.InList(1,2,3,60,91,93,100,111,112,113,114,150,50)
: @rowcode == 16 ? @optioncode.InList(1,2,3,50,80,91,93,113,114,100) : @rowcode == 17 ? @optioncode.InList(1,2,3) : @rowcode == 21 ?
@optioncode.InList(1,2,3,10,11,12,13,91,92,93,111,112,113,114,100) : @rowcode == 22 ?
@optioncode.InList(1,2,3,21,22,23,30,80,91,92,93,111,112,113,114,100) : @rowcode == 23 ?
@optioncode.InList(1,2,3,21,22,23,80,91,92,93,100,111,112,113,114,122) : @rowcode == 24 ?
@optioncode.InList(1,2,3,21,22,23,30,93,111,112,113) : @rowcode == 25 ?
@optioncode.InList(1,2,3,10,12,13,21,22,23,30,91,93,111,112,113,114) : @rowcode == 27 ? @optioncode.InList(1,2,3) : @rowcode == 28 ?
@optioncode.InList(1,2,3,80,114) : @rowcode == 34 ? @optioncode.InList(1,2,3,50,60,70,80,91,92,93,111,112,113,114,200,190) : @rowcode ==
36 ? @optioncode.InList(1,2,3,91,93,111,112,113,114) : @rowcode == 38 ? @optioncode.InList(1,2,3,10,111) : @rowcode == 41 ?
@optioncode.InList(1,2,3,91,92,93,100,112,113,114) : @rowcode == 42 ? @optioncode.InList(1,2,3,91,92,93,100,112,113,114) : @rowcode == 43 ?
@optioncode.InList(1,2,3,22,23,50,60,80,91,92,93,111,112,113,114,150,190) : @rowcode == 45 ?
@optioncode.InList(1,2,3,10,11,12,13,111,112,113,114) : @rowcode == 46 ? @optioncode.InList(1,2,3,50,80,93,100,111,112,113,114) : @rowcode
== 50 ? @optioncode.InList(1,2,3,114,210) : @rowcode == 51 ? @optioncode.InList(1,2,3,210) : @rowcode == 53 ? @optioncode.InList(1,2,3) :
@rowcode == 55 ? @optioncode.InList(1,2,3) : @rowcode == 60 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23) : @rowcode == 61 ?
@optioncode.InList(1,2,3,80,91,93,113) : @rowcode == 64 ? @optioncode.InList(1,2,3,112) : @rowcode == 66 ?
@optioncode.InList(1,2,3,112,113,190) : @rowcode == 68 ? @optioncode.InList(1,2,3) : @rowcode == 69 ? @optioncode.InList(1,2,3,10,12,13) :
@rowcode == 70 ? @optioncode.InList(1,2,3,10,91,93) : @rowcode == 72 ? @optioncode.InList(1,2,3,10,11,12,13,30,111,112,113,114) : @rowcode
== 74 ? @optioncode.InList(1,2,3,10,11,12,13) : @rowcode == 75 ? @optioncode.InList(1,2,3,10,11,12,13) : @rowcode == 76 ?
@optioncode.InList(1,2,3,10,11,12,13,30,91,93) : @rowcode == 79 ? @optioncode.InList(1,2,3,10,30,91,93) : @rowcode == 80 ?
@optioncode.InList(1,2,3,10,12,50,91,93) : @rowcode == 81 ? @optioncode.InList(1,2,3,93,100) : @rowcode == 82 ? @optioncode.InList(1,2,3,93) :
@rowcode == 83 ? @optioncode.InList(1,2,3,10,93) : @rowcode == 84 ? @optioncode.InList(1,2,3,30,93) : @rowcode == 86 ?
@optioncode.InList(1,2,3,10,12,13,30,112,113) : @rowcode == 88 ? @optioncode.InList(1,2,3,21,22,23) : @rowcode == 89 ?
@optioncode.InList(1,2,3,22,80,93,111,112,113,114) : @rowcode == 91 ? @optioncode.InList(1,2,3,50,80,91,92,93,111,112,113,114) : @rowcode
== 92 ? @optioncode.InList(1,2,3,10,11,12,13,23,30) : @rowcode == 93 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23,30,111,112,113,114) :
@rowcode == 94 ? @optioncode.InList(1,2,3,21,23,30,91,93,111,112,113,114) : @rowcode == 95 ? @optioncode.InList(1,2,3,10,11,12,13,30) :
@rowcode == 96 ? @optioncode.InList(1,2,3) : @rowcode == 99 ? @optioncode.InList(1,2,3,111,112) : @rowcode == 100 ?
@optioncode.InList(1,2,3,21,22,23,30,91,93,100,140) : @rowcode == 102 ? @optioncode.InList(1,2,3,113) : @rowcode == 11 ?
@optioncode.InList(1,2,3,10,11,12,13,21,22,23,50,91,92,93,100,111,112,113,114) : @rowcode == 205 ? @optioncode.InList(1,2,3,10,92) :
@rowcode == 210 ? @optioncode.InList(1,2,3) : @rowcode == 212 ? @optioncode.InList(1,2,3) : @rowcode == 213 ? @optioncode.InList(1,2,3) :
@rowcode == 215 ? @optioncode.InList(1,2,3) : @rowcode == 26 ? @optioncode.InList(1,2,3,11,21,22,23,30,91,92,93,100,112,113,114) :
@rowcode == 300 ? @optioncode.InList(1,2,3) : @rowcode == 307 ? @optioncode.InList(1,2,3) : @rowcode == 31 ?
@optioncode.InList(1,2,3,21,22,23,50,60,70,80,91,92,93,111,112,113,114,120,150) : @rowcode == 32 ?
@optioncode.InList(1,2,3,21,22,23,50,80,91,92,93,100,111,112,113,114) : @rowcode == 33 ?
@optioncode.InList(1,2,3,23,50,91,92,93,111,112,113,114) : @rowcode == 35 ? @optioncode.InList(1,2,3,80,93,113,114) : @rowcode == 37 ?
@optioncode.InList(1,2,3,80,93,113,114) : @rowcode == 44 ? @optioncode.InList(1,2,3,10,112,113,180) : @rowcode == 47 ?
@optioncode.InList(1,2,3,91,93,113,114) : @rowcode == 52 ? @optioncode.InList(1,2,3,80) : @rowcode == 54 ?
@optioncode.InList(1,2,3,50,60,80,91,93,100,111,112,113,114) : @rowcode == 56 ? @optioncode.InList(1,2,3,60,91,93,111,113,114) : @rowcode
== 71 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23,30,41,42,43,44,111,112,114) : @rowcode == 73 ?
@optioncode.InList(1,2,3,10,11,12,13,30,91,93,100) : @rowcode == 78 ? @optioncode.InList(1,2,3) : @rowcode == 851 ? @optioncode.InList(1,2,3)
: @rowcode == 852 ? @optioncode.InList(1,2,3) : @rowcode == 871 ? @optioncode.InList(1,2,3,21,22,23,30) : @rowcode == 872 ?
@optioncode.InList(1,2,3,91,93,100) : @rowcode == 90 ? @optioncode.InList(1,2,3,21,22,23,91,93,100) : @rowcode == 901 ?
@optioncode.InList(1,2,3,21,22,23,91,93,100) : @rowcode == 902 ? @optioncode.InList(1,2,3) : @rowcode == 904 ?
@optioncode.InList(1,2,3,21,22,23) : @rowcode == 905 ? @optioncode.InList(1,2,3) : @rowcode == 907 ? @optioncode.InList(1,2,3) : @rowcode ==
921 ? @optioncode.InList(1,2,3) : @rowcode == 101 ? @optioncode.InList(1,2,3,50,80,92,93,111,112,113,114) : @rowcode == 214 ?
@optioncode.InList(1,2,3) : @rowcode == 312 ? @optioncode.InList(1,2,3) : @rowcode == 906 ? @optioncode.InList(1,2,3,21,22,23) : @rowcode ==
998 ? @optioncode.InList(1,2,3) : true

[10] s7q8c_state: s7q8c_state - Harvest state/condition

@rowcode ==11 ? @optioncode.InList(111,112) : @rowcode ==12 ? @optioncode.InList(12,2004) : @rowcode ==13 ? @optioncode==13 : @rowcode
==14 ? @optioncode==14 : @rowcode ==15 ? @optioncode==15 : @rowcode ==16 ? @optioncode==16 : @rowcode ==17 ? @optioncode==17
: @rowcode ==21 ? @optioncode==21 : @rowcode ==22 ? @optioncode==22 : @rowcode ==23 ? @optioncode==23 : @rowcode ==24 ?
@optioncode==24 : @rowcode ==25 ? @optioncode==25 : @rowcode ==26 ? @optioncode.InList(261,262,263) : @rowcode ==27 ?
@optioncode==27 : @rowcode ==28 ? @optioncode==28 : @rowcode ==31 ? @optioncode.InList(311,312) : @rowcode ==32 ?
@optioncode.InList(321,322) : @rowcode ==33 ? @optioncode.InList(331,332,333) : @rowcode ==34 ? @optioncode.InList(341,342) : @rowcode
==35 ? @optioncode.InList(351,352,353) : @rowcode ==36 ? @optioncode==36 : @rowcode ==37 ? @optioncode.InList(371,372) : @rowcode ==38
? @optioncode==38 : @rowcode ==41 ? @optioncode==41 : @rowcode ==42 ? @optioncode==42 : @rowcode ==43 ? @optioncode==43 : @rowcode
==44 ? @optioncode.InList(441,442) : @rowcode ==45 ? @optioncode==45 : @rowcode ==46 ? @optioncode==46 : @rowcode ==47 ?
@optioncode.InList(471,472) : @rowcode ==50 ? @optioncode==50 : @rowcode ==51 ? @optioncode==51 : @rowcode ==52 ?
@optioncode.InList(521,522) : @rowcode ==53 ? @optioncode==53 : @rowcode ==54 ? @optioncode.InList(541,542) : @rowcode ==55 ?
@optioncode==55 : @rowcode ==56 ? @optioncode.InList(561,562,563) : @rowcode ==57 ? @optioncode==57 : @rowcode ==59 ?
@optioncode==59 : @rowcode ==60 ? @optioncode==60 : @rowcode ==61 ? @optioncode==61 : @rowcode ==62 ? @optioncode==62 : @rowcode
==64 ? @optioncode==64 : @rowcode ==66 ? @optioncode==66 : @rowcode ==68 ? @optioncode==68 : @rowcode ==69 ? @optioncode==69
: @rowcode ==70 ? @optioncode==70 : @rowcode ==71 ? @optioncode.InList(711,712) : @rowcode ==72 ? @optioncode==72 : @rowcode ==73 ?
@optioncode.InList(731,732) : @rowcode ==74 ? @optioncode==74 : @rowcode ==75 ? @optioncode==75 : @rowcode ==76 ? @optioncode==76
: @rowcode ==78 ? @optioncode.InList(781,782) : @rowcode ==79 ? @optioncode==79 : @rowcode ==80 ? @optioncode==80 : @rowcode ==81 ?
@optioncode==81 : @rowcode ==82 ? @optioncode==82 : @rowcode ==83 ? @optioncode==83 : @rowcode ==84 ? @optioncode==84 : @rowcode
==86 ? @optioncode==86 : @rowcode ==88 ? @optioncode==88 : @rowcode ==89 ? @optioncode==89 : @rowcode ==90 ?
@optioncode.InList(9011,9022) : @rowcode ==91 ? @optioncode==91 : @rowcode ==92 ? @optioncode==92 : @rowcode ==93 ? @optioncode==93
: @rowcode ==94 ? @optioncode==94 : @rowcode ==95 ? @optioncode==95 : @rowcode ==96 ? @optioncode==96 : @rowcode ==97 ?
@optioncode==97 : @rowcode ==99 ? @optioncode==99 : @rowcode ==100 ? @optioncode==100 : @rowcode ==101 ?
@optioncode.InList(1011,1013) : @rowcode ==102 ? @optioncode==102 : @rowcode ==102 : @rowcode ==205 ? @optioncode==205 : @rowcode ==210 ?
@optioncode==210 : @rowcode ==212 ? @optioncode==212 : @rowcode ==213 ? @optioncode==213 : @rowcode ==214 ?
@optioncode.InList(2141,2142) : @rowcode ==215 ? @optioncode==215 : @rowcode ==300 ? @optioncode==300 : @rowcode ==307 ?
@optioncode==307 : @rowcode ==312 ? @optioncode.InList(3121,3122) : @rowcode ==851 ? @optioncode==851 : @rowcode ==852 ?
@optioncode==852 : @rowcode ==871 ? @optioncode==871 : @rowcode ==872 ? @optioncode==872 : @rowcode ==901 ? @optioncode==901

@rowcode ==902 ? @optioncode==902 :@rowcode ==904 ? @optioncode==904 :@rowcode ==905 ? @optioncode==905 :@rowcode ==906 ?
@optioncode.InList(9061,9062) :@rowcode ==907 ? @optioncode==907 :@rowcode ==921 ? @optioncode==921 :@rowcode ==998 ?
@optioncode.InList(998,999) : true

[11] s7q08e_unit: s7q08e_unit - Harvest unit

@rowcode == 12 ? @optioncode.InList(1,2,3,80,91,92,93,111,112,113,114,115,116,117,119,121,122,123,190,200) : @rowcode == 13 ?
@optioncode.InList(1,2,3,50,60,80,91,92,93,111,112,113,114,190,200,100,150) : @rowcode == 14 ?
@optioncode.InList(1,2,3,50,60,92,93,100,111,112,113,114) : @rowcode == 15 ? @optioncode.InList(1,2,3,60,91,93,100,111,112,113,114,150,50)
: @rowcode == 16 ? @optioncode.InList(1,2,3,50,80,91,93,113,114,100) : @rowcode == 17 ? @optioncode.InList(1,2,3) : @rowcode == 21 ?
@optioncode.InList(1,2,3,10,11,12,13,91,92,93,111,112,113,114,100) : @rowcode == 22 ?
@optioncode.InList(1,2,3,21,22,23,30,80,91,92,93,111,112,113,114,100) : @rowcode == 23 ?
@optioncode.InList(1,2,3,21,22,23,80,91,92,93,100,111,112,113,114,122) : @rowcode == 24 ?
@optioncode.InList(1,2,3,21,22,23,30,93,111,112,113) : @rowcode == 25 ?
@optioncode.InList(1,2,3,10,12,13,21,22,23,30,91,93,111,112,113,114) : @rowcode == 27 ? @optioncode.InList(1,2,3) : @rowcode == 28 ?
@optioncode.InList(1,2,3,80,114) : @rowcode == 34 ? @optioncode.InList(1,2,3,50,60,70,80,91,92,93,111,112,113,114,200,190) : @rowcode ==
36 ? @optioncode.InList(1,2,3,91,93,111,112,113,114) : @rowcode == 38 ? @optioncode.InList(1,2,3,10,11) : @rowcode == 41 ?
@optioncode.InList(1,2,3,91,92,93,100,112,113,114) : @rowcode == 42 ? @optioncode.InList(1,2,3,91,92,93,100,112,113,114) : @rowcode == 43 ?
@optioncode.InList(1,2,3,22,23,50,60,80,91,92,93,111,112,113,114,150,190) : @rowcode == 45 ?
@optioncode.InList(1,2,3,10,11,12,13,111,112,113,114) : @rowcode == 46 ? @optioncode.InList(1,2,3,50,80,93,100,111,112,113,114) : @rowcode
== 50 ? @optioncode.InList(1,2,3,114,210) : @rowcode == 51 ? @optioncode.InList(1,2,3,210) : @rowcode == 53 ? @optioncode.InList(1,2,3) :
@rowcode == 55 ? @optioncode.InList(1,2,3) : @rowcode == 60 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23) : @rowcode == 61 ?
@optioncode.InList(1,2,3,80,91,93,113) : @rowcode == 64 ? @optioncode.InList(1,2,3,112) : @rowcode == 66 ?
@optioncode.InList(1,2,3,112,113,190) : @rowcode == 68 ? @optioncode.InList(1,2,3) : @rowcode == 69 ? @optioncode.InList(1,2,3,10,12,13) :
@rowcode == 70 ? @optioncode.InList(1,2,3,10,91,93) : @rowcode == 72 ? @optioncode.InList(1,2,3,10,11,12,13,30,111,112,113,114) : @rowcode
== 74 ? @optioncode.InList(1,2,3,10,11,12,13) : @rowcode == 75 ? @optioncode.InList(1,2,3,10,11,12,13) : @rowcode == 76 ?
@optioncode.InList(1,2,3,10,11,12,13,30,91,93) : @rowcode == 79 ? @optioncode.InList(1,2,3,10,30,91,93) : @rowcode == 80 ?
@optioncode.InList(1,2,3,10,12,50,91,93) : @rowcode == 81 ? @optioncode.InList(1,2,3,93,100) : @rowcode == 82 ? @optioncode.InList(1,2,3,93) :
@rowcode == 83 ? @optioncode.InList(1,2,3,10,93) : @rowcode == 84 ? @optioncode.InList(1,2,3,30,93) : @rowcode == 86 ?
@optioncode.InList(1,2,3,10,12,13,30,112,113) : @rowcode == 88 ? @optioncode.InList(1,2,3,21,22,23) : @rowcode == 89 ?
@optioncode.InList(1,2,3,22,80,93,111,112,113,114) : @rowcode == 91 ? @optioncode.InList(1,2,3,50,80,91,92,93,111,112,113,114) : @rowcode
== 92 ? @optioncode.InList(1,2,3,10,11,12,13,23,30) : @rowcode == 93 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23,30,111,112,113,114) :
@rowcode == 94 ? @optioncode.InList(1,2,3,21,23,30,91,93,111,112,113,114) : @rowcode == 95 ? @optioncode.InList(1,2,3,10,11,12,13,30) :
@rowcode == 96 ? @optioncode.InList(1,2,3) : @rowcode == 99 ? @optioncode.InList(1,2,3,111,112) : @rowcode == 100 ?
@optioncode.InList(1,2,3,21,22,23,30,91,93,100,140) : @rowcode == 102 ? @optioncode.InList(1,2,3,113) : @rowcode == 11 ?
@optioncode.InList(1,2,3,10,11,12,13,21,22,23,50,91,92,93,100,111,112,113,114) : @rowcode == 205 ? @optioncode.InList(1,2,3,10,92) :
@rowcode == 210 ? @optioncode.InList(1,2,3) : @rowcode == 212 ? @optioncode.InList(1,2,3) : @rowcode == 213 ? @optioncode.InList(1,2,3) :
@rowcode == 215 ? @optioncode.InList(1,2,3) : @rowcode == 26 ? @optioncode.InList(1,2,3,11,21,22,23,30,91,92,93,100,112,113,114) :
@rowcode == 300 ? @optioncode.InList(1,2,3) : @rowcode == 307 ? @optioncode.InList(1,2,3) : @rowcode == 31 ?
@optioncode.InList(1,2,3,21,22,23,50,60,70,80,91,92,93,111,112,113,114,120,150) : @rowcode == 32 ?
@optioncode.InList(1,2,3,21,22,23,50,80,91,92,93,100,111,112,113,114) : @rowcode == 33 ?
@optioncode.InList(1,2,3,23,50,91,92,93,111,112,113,114) : @rowcode == 35 ? @optioncode.InList(1,2,3,80,93,113,114) : @rowcode == 37 ?
@optioncode.InList(1,2,3,80,93,113,114) : @rowcode == 44 ? @optioncode.InList(1,2,3,10,112,113,180) : @rowcode == 47 ?
@optioncode.InList(1,2,3,91,93,113,114) : @rowcode == 52 ? @optioncode.InList(1,2,3,80) : @rowcode == 54 ?
@optioncode.InList(1,2,3,50,60,80,91,93,100,111,112,113,114) : @rowcode == 56 ? @optioncode.InList(1,2,3,60,91,93,111,113,114) : @rowcode
== 71 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23,30,41,42,43,44,111,112,114) : @rowcode == 73 ?
@optioncode.InList(1,2,3,10,11,12,13,30,91,93,100) : @rowcode == 78 ? @optioncode.InList(1,2,3) : @rowcode == 851 ? @optioncode.InList(1,2,3)
: @rowcode == 852 ? @optioncode.InList(1,2,3) : @rowcode == 871 ? @optioncode.InList(1,2,3,21,22,23,30) : @rowcode == 872 ?
@optioncode.InList(1,2,3,91,93,100) : @rowcode == 90 ? @optioncode.InList(1,2,3,21,22,23,91,93,100) : @rowcode == 901 ?
@optioncode.InList(1,2,3,21,22,23,91,93,100) : @rowcode == 902 ? @optioncode.InList(1,2,3) : @rowcode == 904 ?
@optioncode.InList(1,2,3,21,22,23) : @rowcode == 905 ? @optioncode.InList(1,2,3) : @rowcode == 907 ? @optioncode.InList(1,2,3) : @rowcode ==
921 ? @optioncode.InList(1,2,3) : @rowcode == 101 ? @optioncode.InList(1,2,3,50,80,92,93,111,112,113,114) : @rowcode == 214 ?
@optioncode.InList(1,2,3) : @rowcode == 312 ? @optioncode.InList(1,2,3) : @rowcode == 906 ? @optioncode.InList(1,2,3,21,22,23) : @rowcode ==
998 ? @optioncode.InList(1,2,3) : true

[12] s7q8e_state: s7q8e_state - Harvest state/condition

@rowcode ==11 ? @optioncode.InList(111,112) :@rowcode ==12 ? @optioncode.InList(12,2004) :@rowcode ==13 ? @optioncode==13 :@rowcode
==14 ? @optioncode==14 :@rowcode ==15 ? @optioncode==15 :@rowcode ==16 ? @optioncode==16 :@rowcode ==17 ? @optioncode==17
: @rowcode ==21 ? @optioncode==21 :@rowcode ==22 ? @optioncode==22 :@rowcode ==23 ? @optioncode==23 :@rowcode ==24 ?
@optioncode==24 :@rowcode ==25 ? @optioncode==25 :@rowcode ==26 ? @optioncode.InList(261,262,263) :@rowcode ==27 ?
@optioncode==27 :@rowcode ==28 ? @optioncode==28 :@rowcode ==31 ? @optioncode.InList(311,312) :@rowcode ==32 ?
@optioncode.InList(321,322) :@rowcode ==33 ? @optioncode.InList(331,332,333) :@rowcode ==34 ? @optioncode.InList(341,342) :@rowcode
==35 ? @optioncode.InList(351,352,353) :@rowcode ==36 ? @optioncode==36 :@rowcode ==37 ? @optioncode.InList(371,372) :@rowcode ==38
? @optioncode==38 :@rowcode ==41 ? @optioncode==41 :@rowcode ==42 ? @optioncode==42 :@rowcode ==43 ? @optioncode==43 :@rowcode
==44 ? @optioncode.InList(441,442) :@rowcode ==45 ? @optioncode==45 :@rowcode ==46 ? @optioncode==46 :@rowcode ==47 ?
@optioncode.InList(471,472) :@rowcode ==50 ? @optioncode==50 :@rowcode ==51 ? @optioncode==51 :@rowcode ==52 ?
@optioncode.InList(521,522) :@rowcode ==53 ? @optioncode==53 :@rowcode ==54 ? @optioncode.InList(541,542) :@rowcode ==55 ?
@optioncode==55 :@rowcode ==56 ? @optioncode.InList(561,562,563) :@rowcode ==57 ? @optioncode==57 :@rowcode ==59 ?
@optioncode==59 :@rowcode ==60 ? @optioncode==60 :@rowcode ==61 ? @optioncode==61 :@rowcode ==62 ? @optioncode==62 :@rowcode
==64 ? @optioncode==64 :@rowcode ==66 ? @optioncode==66 :@rowcode ==68 ? @optioncode==68 :@rowcode ==69 ? @optioncode==69
: @rowcode ==70 ? @optioncode==70 :@rowcode ==71 ? @optioncode.InList(711,712) :@rowcode ==72 ? @optioncode==72 :@rowcode ==73 ?
@optioncode.InList(731,732) :@rowcode ==74 ? @optioncode==74 :@rowcode ==75 ? @optioncode==75 :@rowcode ==76 ? @optioncode==76
: @rowcode ==78 ? @optioncode.InList(781,782) :@rowcode ==79 ? @optioncode==79 :@rowcode ==80 ? @optioncode==80 :@rowcode ==81 ?
@optioncode==81 :@rowcode ==82 ? @optioncode==82 :@rowcode ==83 ? @optioncode==83 :@rowcode ==84 ? @optioncode==84 :@rowcode
==86 ? @optioncode==86 :@rowcode ==88 ? @optioncode==88 :@rowcode ==89 ? @optioncode==89 :@rowcode ==90 ?
@optioncode.InList(9011,9022) :@rowcode ==91 ? @optioncode==91 :@rowcode ==92 ? @optioncode==92 :@rowcode ==93 ? @optioncode==93
: @rowcode ==94 ? @optioncode==94 :@rowcode ==95 ? @optioncode==95 :@rowcode ==96 ? @optioncode==96 :@rowcode ==97 ?
@optioncode==97 :@rowcode ==99 ? @optioncode==99 :@rowcode ==100 ? @optioncode==100 :@rowcode ==101 ?
@optioncode.InList(1011,1013) :@rowcode ==102 ? @optioncode==102 :@rowcode ==205 ? @optioncode==205 :@rowcode ==210 ?
@optioncode==210 :@rowcode ==212 ? @optioncode==212 :@rowcode ==213 ? @optioncode==213 :@rowcode ==214 ?
@optioncode.InList(2141,2142) :@rowcode ==215 ? @optioncode==215 :@rowcode ==300 ? @optioncode==300 :@rowcode ==307 ?
@optioncode==307 :@rowcode ==312 ? @optioncode.InList(3121,3122) :@rowcode ==851 ? @optioncode==851 :@rowcode ==852 ?
@optioncode==852 :@rowcode ==871 ? @optioncode==871 :@rowcode ==872 ? @optioncode==872 :@rowcode ==901 ? @optioncode==901
: @rowcode ==902 ? @optioncode==902 :@rowcode ==904 ? @optioncode==904 :@rowcode ==905 ? @optioncode==905 :@rowcode ==906 ?
@optioncode.InList(9061,9062) :@rowcode ==907 ? @optioncode==907 :@rowcode ==921 ? @optioncode==921 :@rowcode ==998 ?
@optioncode.InList(998,999) : true

[13] s7q14b_unit: s7q14b - UNIT

(@optioncode==3 && @rowcode.InList(21,22,24,78,212,902,19,60)) || (@optioncode.InList(1,3) && @rowcode.InList(26, 28, 213, 214, 89, 90, 91,
97, 901, 921, 903, 904, 905, 93, 94, 96, 100, 102, 61, 95, 11, 12, 13, 14, 15, 16, 17, 23, 27, 31, 32, 33, 35, 36, 37, 41, 42, 43, 47, 48, 312, 200, 92,
906, 907, 101, 50, 52, 34, 205)) || (@optioncode.InList(1,2,4) && @rowcode.InList(86, 871, 872, 88, 51, 300, 38, 70, 72, 73, 74, 76, 77, 79, 80, 81,
82, 83, 84, 68, 69, 97, 98, 99, 201, 210, 215, 851, 852, 54, 55, 56, 63, 65, 44, 45, 46, 110)) || (@optioncode.InList(1,3) && @rowcode==18) ||
(@optioncode.InList(2) && @rowcode.InList(71, 75, 66,67, 53, 64, 307)) || (@optioncode.InList(1,3) && @rowcode.InList(2,3))

[14] s8q04c_unit: s8q04c_unit - Harvest unit

@rowcode == 12 ? @optioncode.InList(1,2,3,80,91,92,93,111,112,113,114,115,116,117,119,121,122,123,190,200) : @rowcode == 13 ?
@optioncode.InList(1,2,3,50,60,80,91,92,93,111,112,113,114,190,200,100,150) : @rowcode == 14 ?
@optioncode.InList(1,2,3,50,60,92,93,100,111,112,113,114) : @rowcode == 15 ? @optioncode.InList(1,2,3,60,91,93,100,111,112,113,114,150,50)
: @rowcode == 16 ? @optioncode.InList(1,2,3,50,80,91,93,113,114,100) : @rowcode == 17 ? @optioncode.InList(1,2,3) : @rowcode == 21 ?
@optioncode.InList(1,2,3,10,11,12,13,91,92,93,111,112,113,114,100) : @rowcode == 22 ?
@optioncode.InList(1,2,3,21,22,23,30,80,91,92,93,111,112,113,114,100) : @rowcode == 23 ?
@optioncode.InList(1,2,3,21,22,23,80,91,92,93,100,111,112,113,114,122) : @rowcode == 24 ?
@optioncode.InList(1,2,3,21,22,23,30,93,111,112,113) : @rowcode == 25 ?
@optioncode.InList(1,2,3,10,12,13,21,22,23,30,91,93,111,112,113,114) : @rowcode == 27 ? @optioncode.InList(1,2,3) : @rowcode == 28 ?
@optioncode.InList(1,2,3,80,114) : @rowcode == 34 ? @optioncode.InList(1,2,3,50,60,70,80,91,92,93,111,112,113,114,200,190) : @rowcode ==
36 ? @optioncode.InList(1,2,3,91,93,111,112,113,114) : @rowcode == 38 ? @optioncode.InList(1,2,3,10,111) : @rowcode == 41 ?
@optioncode.InList(1,2,3,91,92,93,100,112,113,114) : @rowcode == 42 ? @optioncode.InList(1,2,3,91,92,93,100,112,113,114) : @rowcode == 43 ?
@optioncode.InList(1,2,3,22,23,50,60,80,91,92,93,111,112,113,114,150,190) : @rowcode == 45 ?
@optioncode.InList(1,2,3,10,11,12,13,111,112,113,114) : @rowcode == 46 ? @optioncode.InList(1,2,3,50,80,93,100,111,112,113,114) : @rowcode
== 50 ? @optioncode.InList(1,2,3,114,210) : @rowcode == 51 ? @optioncode.InList(1,2,3,210) : @rowcode == 53 ? @optioncode.InList(1,2,3) :
@rowcode == 55 ? @optioncode.InList(1,2,3) : @rowcode == 60 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23) : @rowcode == 61 ?
@optioncode.InList(1,2,3,80,91,93,113) : @rowcode == 64 ? @optioncode.InList(1,2,3,112) : @rowcode == 66 ?
@optioncode.InList(1,2,3,112,113,190) : @rowcode == 68 ? @optioncode.InList(1,2,3) : @rowcode == 69 ? @optioncode.InList(1,2,3,10,12,13) :
@rowcode == 70 ? @optioncode.InList(1,2,3,10,91,93) : @rowcode == 72 ? @optioncode.InList(1,2,3,10,11,12,13,30,111,112,113,114) : @rowcode
== 74 ? @optioncode.InList(1,2,3,10,11,12,13) : @rowcode == 75 ? @optioncode.InList(1,2,3,10,11,12,13) : @rowcode == 76 ?
@optioncode.InList(1,2,3,10,11,12,13,30,91,93) : @rowcode == 79 ? @optioncode.InList(1,2,3,10,30,91,93) : @rowcode == 80 ?
@optioncode.InList(1,2,3,10,12,50,91,93) : @rowcode == 81 ? @optioncode.InList(1,2,3,93,100) : @rowcode == 82 ? @optioncode.InList(1,2,3,93) :
@rowcode == 83 ? @optioncode.InList(1,2,3,10,93) : @rowcode == 84 ? @optioncode.InList(1,2,3,30,93) : @rowcode == 86 ?
@optioncode.InList(1,2,3,10,12,13,30,112,113) : @rowcode == 88 ? @optioncode.InList(1,2,3,21,22,23) : @rowcode == 89 ?
@optioncode.InList(1,2,3,22,80,93,111,112,113,114) : @rowcode == 91 ? @optioncode.InList(1,2,3,50,80,91,92,93,111,112,113,114) : @rowcode
== 92 ? @optioncode.InList(1,2,3,10,11,12,13,23,30) : @rowcode == 93 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23,30,111,112,113,114) :
@rowcode == 94 ? @optioncode.InList(1,2,3,21,23,30,91,93,111,112,113,114) : @rowcode == 95 ? @optioncode.InList(1,2,3,10,11,12,13,30) :
@rowcode == 96 ? @optioncode.InList(1,2,3) : @rowcode == 99 ? @optioncode.InList(1,2,3) : @rowcode == 100 ?
@optioncode.InList(1,2,3,21,22,23,30,91,93,100,140) : @rowcode == 102 ? @optioncode.InList(1,2,3,113) : @rowcode == 11 ?
@optioncode.InList(1,2,3,10,11,12,13,21,22,23,50,91,92,93,100,111,112,113,114) : @rowcode == 205 ? @optioncode.InList(1,2,3,10,92) :
@rowcode == 210 ? @optioncode.InList(1,2,3) : @rowcode == 212 ? @optioncode.InList(1,2,3) : @rowcode == 213 ? @optioncode.InList(1,2,3) :
@rowcode == 215 ? @optioncode.InList(1,2,3) : @rowcode == 26 ? @optioncode.InList(1,2,3,11,21,22,23,30,91,92,93,100,112,113,114) :
@rowcode == 300 ? @optioncode.InList(1,2,3) : @rowcode == 307 ? @optioncode.InList(1,2,3) : @rowcode == 31 ?
@optioncode.InList(1,2,3,21,22,23,50,60,70,80,91,92,93,111,112,113,114,120,150) : @rowcode == 32 ?
@optioncode.InList(1,2,3,21,22,23,50,80,91,92,93,100,111,112,113,114) : @rowcode == 33 ?
@optioncode.InList(1,2,3,23,50,91,92,93,111,112,113,114) : @rowcode == 35 ? @optioncode.InList(1,2,3,80,93,113,114) : @rowcode == 37 ?
@optioncode.InList(1,2,3,80,93,113,114) : @rowcode == 44 ? @optioncode.InList(1,2,3,10,11,12,113,180) : @rowcode == 47 ?
@optioncode.InList(1,2,3,91,93,113,114) : @rowcode == 52 ? @optioncode.InList(1,2,3,80) : @rowcode == 54 ?
@optioncode.InList(1,2,3,50,60,80,91,93,100,111,112,113,114) : @rowcode == 56 ? @optioncode.InList(1,2,3,60,91,93,111,113,114) : @rowcode
== 71 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23,30,41,42,43,44,111,112,114) : @rowcode == 73 ?
@optioncode.InList(1,2,3,10,11,12,13,30,91,93,100) : @rowcode == 78 ? @optioncode.InList(1,2,3) : @rowcode == 851 ? @optioncode.InList(1,2,3)
: @rowcode == 852 ? @optioncode.InList(1,2,3) : @rowcode == 871 ? @optioncode.InList(1,2,3,21,22,23,30) : @rowcode == 872 ?
@optioncode.InList(1,2,3,91,93,100) : @rowcode == 90 ? @optioncode.InList(1,2,3,21,22,23,91,93,100) : @rowcode == 901 ?
@optioncode.InList(1,2,3,21,22,23,91,93,100) : @rowcode == 902 ? @optioncode.InList(1,2,3) : @rowcode == 904 ?
@optioncode.InList(1,2,3,21,22,23) : @rowcode == 905 ? @optioncode.InList(1,2,3) : @rowcode == 907 ? @optioncode.InList(1,2,3) : @rowcode ==
921 ? @optioncode.InList(1,2,3) : @rowcode == 101 ? @optioncode.InList(1,2,3,50,80,92,93,111,112,113,114) : @rowcode == 214 ?
@optioncode.InList(1,2,3) : @rowcode == 312 ? @optioncode.InList(1,2,3) : @rowcode == 906 ? @optioncode.InList(1,2,3,21,22,23) : @rowcode ==
998 ? @optioncode.InList(1,2,3) : true

[15] s8q4c_state: s8q4c_state - Harvest state/condition

@rowcode == 11 ? @optioncode.InList(111,112) : @rowcode == 12 ? @optioncode.InList(12,2004) : @rowcode == 13 ? @optioncode == 13 : @rowcode
== 14 ? @optioncode == 14 : @rowcode == 15 ? @optioncode == 15 : @rowcode == 16 ? @optioncode == 16 : @rowcode == 17 ? @optioncode == 17
: @rowcode == 21 ? @optioncode == 21 : @rowcode == 22 ? @optioncode == 22 : @rowcode == 23 ? @optioncode == 23 : @rowcode == 24 ?
@optioncode == 24 : @rowcode == 25 ? @optioncode == 25 : @rowcode == 26 ? @optioncode.InList(261,262,263) : @rowcode == 27 ?
@optioncode == 27 : @rowcode == 28 ? @optioncode == 28 : @rowcode == 31 ? @optioncode.InList(311,312) : @rowcode == 32 ?
@optioncode.InList(321,322) : @rowcode == 33 ? @optioncode.InList(331,332,333) : @rowcode == 34 ? @optioncode.InList(341,342) : @rowcode
== 35 ? @optioncode.InList(351,352,353) : @rowcode == 36 ? @optioncode == 36 : @rowcode == 37 ? @optioncode.InList(371,372) : @rowcode == 38
? @optioncode == 38 : @rowcode == 41 ? @optioncode == 41 : @rowcode == 42 ? @optioncode == 42 : @rowcode == 43 ? @optioncode == 43 : @rowcode
== 44 ? @optioncode.InList(441,442) : @rowcode == 45 ? @optioncode == 45 : @rowcode == 46 ? @optioncode == 46 : @rowcode == 47 ?
@optioncode.InList(471,472) : @rowcode == 50 ? @optioncode == 50 : @rowcode == 51 ? @optioncode == 51 : @rowcode == 52 ?
@optioncode.InList(521,522) : @rowcode == 53 ? @optioncode == 53 : @rowcode == 54 ? @optioncode.InList(541,542) : @rowcode == 55 ?
@optioncode == 55 : @rowcode == 56 ? @optioncode.InList(561,562,563) : @rowcode == 57 ? @optioncode == 57 : @rowcode == 59 ?
@optioncode == 59 : @rowcode == 60 ? @optioncode == 60 : @rowcode == 61 ? @optioncode == 61 : @rowcode == 62 ? @optioncode == 62 : @rowcode
== 64 ? @optioncode == 64 : @rowcode == 66 ? @optioncode == 66 : @rowcode == 68 ? @optioncode == 68 : @rowcode == 69 ? @optioncode == 69
: @rowcode == 70 ? @optioncode == 70 : @rowcode == 71 ? @optioncode.InList(711,712) : @rowcode == 72 ? @optioncode == 72 : @rowcode == 73 ?
@optioncode.InList(731,732) : @rowcode == 74 ? @optioncode == 74 : @rowcode == 75 ? @optioncode == 75 : @rowcode == 76 ? @optioncode == 76
: @rowcode == 78 ? @optioncode.InList(781,782) : @rowcode == 79 ? @optioncode == 79 : @rowcode == 80 ? @optioncode == 80 : @rowcode == 81 ?
@optioncode == 81 : @rowcode == 82 ? @optioncode == 82 : @rowcode == 83 ? @optioncode == 83 : @rowcode == 84 ? @optioncode == 84 : @rowcode
== 86 ? @optioncode == 86 : @rowcode == 88 ? @optioncode == 88 : @rowcode == 89 ? @optioncode == 89 : @rowcode == 90 ?
@optioncode.InList(9011,9022) : @rowcode == 91 ? @optioncode == 91 : @rowcode == 92 ? @optioncode == 92 : @rowcode == 93 ? @optioncode == 93
: @rowcode == 94 ? @optioncode == 94 : @rowcode == 95 ? @optioncode == 95 : @rowcode == 96 ? @optioncode == 96 : @rowcode == 97 ?
@optioncode == 97 : @rowcode == 99 ? @optioncode == 99 : @rowcode == 100 ? @optioncode == 100 : @rowcode == 101 ?
@optioncode.InList(1011,1013) : @rowcode == 102 ? @optioncode == 102 : @rowcode == 205 ? @optioncode == 205 : @rowcode == 210 ?
@optioncode == 210 : @rowcode == 212 ? @optioncode == 212 : @rowcode == 213 ? @optioncode == 213 : @rowcode == 214 ?
@optioncode.InList(2141,2142) : @rowcode == 215 ? @optioncode == 215 : @rowcode == 300 ? @optioncode == 300 : @rowcode == 307 ?
@optioncode == 307 : @rowcode == 312 ? @optioncode.InList(3121,3122) : @rowcode == 851 ? @optioncode == 851 : @rowcode == 852 ?
@optioncode == 852 : @rowcode == 871 ? @optioncode == 871 : @rowcode == 872 ? @optioncode == 872 : @rowcode == 901 ? @optioncode == 901
: @rowcode == 902 ? @optioncode == 902 : @rowcode == 904 ? @optioncode == 904 : @rowcode == 905 ? @optioncode == 905 : @rowcode == 906 ?
@optioncode.InList(9061,9062) : @rowcode == 907 ? @optioncode == 907 : @rowcode == 921 ? @optioncode == 921 : @rowcode == 998 ?
@optioncode.InList(998,999) : true

[16] s8q04e_unit: s8q04e_unit - Harvest unit

@rowcode == 12 ? @optioncode.InList(1,2,3,80,91,92,93,111,112,113,114,115,116,117,119,121,122,123,190,200) : @rowcode == 13 ?
@optioncode.InList(1,2,3,50,60,80,91,92,93,111,112,113,114,190,200,100,150) : @rowcode == 14 ?
@optioncode.InList(1,2,3,50,60,92,93,100,111,112,113,114) : @rowcode == 15 ? @optioncode.InList(1,2,3,60,91,93,100,111,112,113,114,150,50)
: @rowcode == 16 ? @optioncode.InList(1,2,3,50,80,91,93,113,114,100) : @rowcode == 17 ? @optioncode.InList(1,2,3) : @rowcode == 21 ?
@optioncode.InList(1,2,3,10,11,12,13,91,92,93,111,112,113,114,100) : @rowcode == 22 ?
@optioncode.InList(1,2,3,21,22,23,30,80,91,92,93,111,112,113,114,100) : @rowcode == 23 ?
@optioncode.InList(1,2,3,21,22,23,80,91,92,93,100,111,112,113,114,122) : @rowcode == 24 ?
@optioncode.InList(1,2,3,21,22,23,30,93,111,112,113) : @rowcode == 25 ?
@optioncode.InList(1,2,3,10,12,13,21,22,23,30,91,93,111,112,113,114) : @rowcode == 27 ? @optioncode.InList(1,2,3) : @rowcode == 28 ?

@optioncode.InList(1,2,3,80,114) : @rowcode == 34 ? @optioncode.InList(1,2,3,50,60,70,80,91,92,93,111,112,113,114,200,190) : @rowcode == 36 ? @optioncode.InList(1,2,3,91,93,111,112,113,114) : @rowcode == 38 ? @optioncode.InList(1,2,3,10,111) : @rowcode == 41 ? @optioncode.InList(1,2,3,91,92,93,100,112,113,114) : @rowcode == 42 ? @optioncode.InList(1,2,3,91,92,93,100,112,113,114) : @rowcode == 43 ? @optioncode.InList(1,2,3,22,23,50,60,80,91,92,93,111,112,113,114,150,190) : @rowcode == 45 ? @optioncode.InList(1,2,3,10,11,12,13,111,112,113,114) : @rowcode == 46 ? @optioncode.InList(1,2,3,50,80,93,100,111,112,113,114) : @rowcode == 50 ? @optioncode.InList(1,2,3,114,210) : @rowcode == 51 ? @optioncode.InList(1,2,3,210) : @rowcode == 53 ? @optioncode.InList(1,2,3) : @rowcode == 55 ? @optioncode.InList(1,2,3) : @rowcode == 60 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23) : @rowcode == 61 ? @optioncode.InList(1,2,3,80,91,93,113) : @rowcode == 64 ? @optioncode.InList(1,2,3,112) : @rowcode == 66 ? @optioncode.InList(1,2,3,112,113,190) : @rowcode == 68 ? @optioncode.InList(1,2,3) : @rowcode == 69 ? @optioncode.InList(1,2,3,10,12,13) : @rowcode == 70 ? @optioncode.InList(1,2,3,10,91,93) : @rowcode == 72 ? @optioncode.InList(1,2,3,10,11,12,13,30,111,112,113,114) : @rowcode == 74 ? @optioncode.InList(1,2,3,10,11,12,13) : @rowcode == 75 ? @optioncode.InList(1,2,3,10,11,12,13) : @rowcode == 76 ? @optioncode.InList(1,2,3,10,11,12,13,30,91,93) : @rowcode == 79 ? @optioncode.InList(1,2,3,10,30,91,93) : @rowcode == 80 ? @optioncode.InList(1,2,3,10,12,50,91,93) : @rowcode == 81 ? @optioncode.InList(1,2,3,93,100) : @rowcode == 82 ? @optioncode.InList(1,2,3,93) : @rowcode == 83 ? @optioncode.InList(1,2,3,10,93) : @rowcode == 84 ? @optioncode.InList(1,2,3,30,93) : @rowcode == 86 ? @optioncode.InList(1,2,3,10,12,13,30,112,113) : @rowcode == 88 ? @optioncode.InList(1,2,3,21,22,23) : @rowcode == 89 ? @optioncode.InList(1,2,3,22,80,93,111,112,113,114) : @rowcode == 91 ? @optioncode.InList(1,2,3,50,80,91,92,93,111,112,113,114) : @rowcode == 92 ? @optioncode.InList(1,2,3,10,11,12,13,23,30) : @rowcode == 93 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23,30,111,112,113,114) : @rowcode == 94 ? @optioncode.InList(1,2,3,21,23,30,91,93,111,112,113,114) : @rowcode == 95 ? @optioncode.InList(1,2,3,10,11,12,13,30) : @rowcode == 96 ? @optioncode.InList(1,2,3) : @rowcode == 99 ? @optioncode.InList(1,2,3,111,112) : @rowcode == 100 ? @optioncode.InList(1,2,3,21,22,23,30,91,93,100,140) : @rowcode == 102 ? @optioncode.InList(1,2,3,113) : @rowcode == 11 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23,50,91,92,93,100,111,112,113,114) : @rowcode == 205 ? @optioncode.InList(1,2,3,10,92) : @rowcode == 210 ? @optioncode.InList(1,2,3) : @rowcode == 212 ? @optioncode.InList(1,2,3) : @rowcode == 213 ? @optioncode.InList(1,2,3) : @rowcode == 215 ? @optioncode.InList(1,2,3) : @rowcode == 26 ? @optioncode.InList(1,2,3,11,21,22,23,30,91,92,93,100,112,113,114) : @rowcode == 300 ? @optioncode.InList(1,2,3) : @rowcode == 307 ? @optioncode.InList(1,2,3) : @rowcode == 31 ? @optioncode.InList(1,2,3,21,22,23,50,60,70,80,91,92,93,111,112,113,114,120,150) : @rowcode == 32 ? @optioncode.InList(1,2,3,21,22,23,50,80,91,92,93,100,111,112,113,114) : @rowcode == 33 ? @optioncode.InList(1,2,3,23,50,91,92,93,111,112,113,114) : @rowcode == 35 ? @optioncode.InList(1,2,3,80,93,113,114) : @rowcode == 37 ? @optioncode.InList(1,2,3,80,93,113,114) : @rowcode == 44 ? @optioncode.InList(1,2,3,10,112,113,180) : @rowcode == 47 ? @optioncode.InList(1,2,3,91,93,113,114) : @rowcode == 52 ? @optioncode.InList(1,2,3,80) : @rowcode == 54 ? @optioncode.InList(1,2,3,50,60,80,91,93,100,111,112,113,114) : @rowcode == 56 ? @optioncode.InList(1,2,3,60,91,93,111,113,114) : @rowcode == 71 ? @optioncode.InList(1,2,3,10,11,12,13,21,22,23,30,41,42,43,44,111,112,114) : @rowcode == 73 ? @optioncode.InList(1,2,3,10,11,12,13,30,91,93,100) : @rowcode == 78 ? @optioncode.InList(1,2,3) : @rowcode == 851 ? @optioncode.InList(1,2,3) : @rowcode == 852 ? @optioncode.InList(1,2,3) : @rowcode == 871 ? @optioncode.InList(1,2,3,21,22,23,30) : @rowcode == 872 ? @optioncode.InList(1,2,3,91,93,100) : @rowcode == 90 ? @optioncode.InList(1,2,3,21,22,23,91,93,100) : @rowcode == 901 ? @optioncode.InList(1,2,3,21,22,23,91,93,100) : @rowcode == 902 ? @optioncode.InList(1,2,3) : @rowcode == 904 ? @optioncode.InList(1,2,3,21,22,23) : @rowcode == 905 ? @optioncode.InList(1,2,3) : @rowcode == 907 ? @optioncode.InList(1,2,3) : @rowcode == 921 ? @optioncode.InList(1,2,3) : @rowcode == 101 ? @optioncode.InList(1,2,3,50,80,92,93,111,112,113,114) : @rowcode == 214 ? @optioncode.InList(1,2,3) : @rowcode == 312 ? @optioncode.InList(1,2,3) : @rowcode == 906 ? @optioncode.InList(1,2,3,21,22,23) : @rowcode == 998 ? @optioncode.InList(1,2,3) : true

[17] [s8q4e_state: s8q4e_state - Harvest state/condition](#)

@rowcode == 11 ? @optioncode.InList(111,112) : @rowcode == 12 ? @optioncode.InList(12,2004) : @rowcode == 13 ? @optioncode == 13 : @rowcode == 14 ? @optioncode == 14 : @rowcode == 15 ? @optioncode == 15 : @rowcode == 16 ? @optioncode == 16 : @rowcode == 17 ? @optioncode == 17 : @rowcode == 21 ? @optioncode == 21 : @rowcode == 22 ? @optioncode == 22 : @rowcode == 23 ? @optioncode == 23 : @rowcode == 24 ? @optioncode == 24 : @rowcode == 25 ? @optioncode == 25 : @rowcode == 26 ? @optioncode == 26 : @optioncode.InList(261,262,263) : @rowcode == 27 ? @optioncode == 27 : @rowcode == 28 ? @optioncode == 28 : @rowcode == 31 ? @optioncode == 31 : @optioncode.InList(311,312) : @rowcode == 32 ? @optioncode.InList(321,322) : @rowcode == 33 ? @optioncode.InList(331,332,333) : @rowcode == 34 ? @optioncode.InList(341,342) : @rowcode == 35 ? @optioncode.InList(351,352,353) : @rowcode == 36 ? @optioncode == 36 : @rowcode == 37 ? @optioncode.InList(371,372) : @rowcode == 38 ? @optioncode == 38 : @rowcode == 41 ? @optioncode == 41 : @rowcode == 42 ? @optioncode == 42 : @rowcode == 43 ? @optioncode == 43 : @rowcode == 44 ? @optioncode == 44 : @optioncode.InList(441,442) : @rowcode == 45 ? @optioncode == 45 : @rowcode == 46 ? @optioncode == 46 : @rowcode == 47 ? @optioncode.InList(471,472) : @rowcode == 50 ? @optioncode == 50 : @rowcode == 51 ? @optioncode == 51 : @rowcode == 52 ? @optioncode.InList(521,522) : @rowcode == 53 ? @optioncode == 53 : @rowcode == 54 ? @optioncode == 54 : @optioncode.InList(541,542) : @rowcode == 55 ? @optioncode == 55 : @rowcode == 56 ? @optioncode == 56 : @optioncode.InList(561,562,563) : @rowcode == 57 ? @optioncode == 57 : @rowcode == 59 ? @optioncode == 59 : @rowcode == 60 ? @optioncode == 60 : @rowcode == 61 ? @optioncode == 61 : @rowcode == 62 ? @optioncode == 62 : @optioncode == 62 : @rowcode == 64 ? @optioncode == 64 : @rowcode == 66 ? @optioncode == 66 : @rowcode == 68 ? @optioncode == 68 : @rowcode == 69 ? @optioncode == 69 : @rowcode == 70 ? @optioncode == 70 : @rowcode == 71 ? @optioncode == 71 : @optioncode.InList(711,712) : @rowcode == 72 ? @optioncode == 72 : @rowcode == 73 ? @optioncode.InList(731,732) : @rowcode == 74 ? @optioncode == 74 : @rowcode == 75 ? @optioncode == 75 : @rowcode == 76 ? @optioncode == 76 : @rowcode == 78 ? @optioncode == 78 : @optioncode.InList(781,782) : @rowcode == 79 ? @optioncode == 79 : @rowcode == 80 ? @optioncode == 80 : @rowcode == 81 ? @optioncode == 81 : @rowcode == 82 ? @optioncode == 82 : @rowcode == 83 ? @optioncode == 83 : @rowcode == 84 ? @optioncode == 84 : @rowcode == 86 ? @optioncode == 86 : @rowcode == 88 ? @optioncode == 88 : @rowcode == 89 ? @optioncode == 89 : @rowcode == 90 ? @optioncode.InList(9011,9022) : @rowcode == 91 ? @optioncode == 91 : @rowcode == 92 ? @optioncode == 92 : @rowcode == 93 ? @optioncode == 93 : @rowcode == 94 ? @optioncode == 94 : @rowcode == 95 ? @optioncode == 95 : @rowcode == 96 ? @optioncode == 96 : @rowcode == 97 ? @optioncode == 97 : @optioncode == 99 ? @optioncode == 99 : @rowcode == 100 ? @optioncode == 100 : @rowcode == 101 ? @optioncode.InList(1011,1013) : @rowcode == 102 ? @optioncode == 102 : @rowcode == 205 ? @optioncode == 205 : @rowcode == 210 ? @optioncode == 210 : @rowcode == 212 ? @optioncode == 212 : @rowcode == 213 ? @optioncode == 213 : @rowcode == 214 ? @optioncode.InList(2141,2142) : @rowcode == 215 ? @optioncode == 215 : @rowcode == 300 ? @optioncode == 300 : @rowcode == 307 ? @optioncode == 307 : @rowcode == 312 ? @optioncode == 312 : @optioncode.InList(3121,3122) : @rowcode == 851 ? @optioncode == 851 : @rowcode == 852 ? @optioncode == 852 : @rowcode == 871 ? @optioncode == 871 : @rowcode == 872 ? @optioncode == 872 : @rowcode == 901 ? @optioncode == 901 : @rowcode == 902 ? @optioncode == 902 : @rowcode == 904 ? @optioncode == 904 : @rowcode == 905 ? @optioncode == 905 : @rowcode == 906 ? @optioncode.InList(9061,9062) : @rowcode == 907 ? @optioncode == 907 : @rowcode == 921 ? @optioncode == 921 : @rowcode == 998 ? @optioncode.InList(998,999) : true

[18] [s11q01a_unit: s11q01a_unit - Unit reported by the respondent](#)

(@optioncode.InList(1,2,99) && @rowcode.InList(8,9,10,11,12,13,14,17,115,116,117,118,119,120,121,99)) || (@optioncode.InList(1,2,3,4,99) && @rowcode.InList(15,16,19,20,21)) || (@optioncode.InList(3,4,99) && @rowcode.InList(18))

[19] [s11q01b_unit: s11q01b_unit - Unit reported by the respondent](#)

(@optioncode.InList(1,2,99) && @rowcode.InList(8,9,10,11,12,13,14,17,115,116,117,118,119,120,121,99)) || (@optioncode.InList(1,2,3,4,99) && @rowcode.InList(15,16,19,20,21)) || (@optioncode.InList(3,4,99) && @rowcode.InList(18))

[20] [s21q01: s21q01 - Did you use any of the following <u>INPUT TYPE</u> during the past agricultural year 2023/24?](#)

(SCREENING==1 && @optioncode.InList(103, 105, 107, 108, 109, 110, 111, 112, 113, 114, 115, 117, 118, 120, 121, 124, 125, 127,129, 128, 130, 131)) || (SCREENING==2 && @optioncode.InList(101, 102, 103, 104, 105, 107, 108, 109, 110, 111, 112, 113, 114, 115, 117, 118, 120, 123, 124, 125, 126, 127,129, 128, 130,131)) || (SCREENING==1 && @optioncode.InList(201,207,209,211,203,299)) || (SCREENING==2 && @optioncode.InList(205,206,203,299)) || (SCREENING==1 && @optioncode.InList(301,302,399)) || (SCREENING==2 && @optioncode.InList(301,302,303,304,399)) || (SCREENING==1 && @optioncode.InList(401,405,406,499)) || (SCREENING==2 && @optioncode.InList(401,404,405,406,499)) || (SCREENING==1 && @optioncode.InList(502,508,599)) || (SCREENING==2 && @optioncode.InList(502,507,508,599)) || (SCREENING==1 && @optioncode.InList(601,602,603,606,613,699)) || (SCREENING==2 && @optioncode.InList(601,602,603,606,611,613,614,699)) || (SCREENING==1 && @optioncode == 799) || (SCREENING==2 && @optioncode.InList(703,799)) || (SCREENING==1 && @optioncode.InList(804,806,899)) || (SCREENING==2 && @optioncode.InList(802,803,804,806,810,899)) || (SCREENING==1 && @optioncode.InList(901,904,905,999)) || (SCREENING==2 &&

@optioncode.InList(901,902,904,905,999) || (SCREENING==1 && @optioncode.InList(1004,1005,1099)) || (SCREENING==2 && @optioncode.InList(1001,1002,1003,1004,1005,1006,1007,1008,1009,1010,1011,1099))

LEGEND

Legend and structure of information in this file

Name of section	Enabling condition for this section	Type of question, scope	Variable name
<p>SECTION 5: OTHER INCOME SOURCES</p> <p>E s4_other_sources_which.Contains(98)</p> <hr/> <p>Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur?</p> <p>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</p>		<p>Answer options</p> <p>MULTI-SELECT SCOPE: PREFILLED</p> <p>01 <input type="checkbox"/> Community animal health workers</p> <p>02 <input type="checkbox"/> Private</p> <p>03 <input type="checkbox"/> Government</p> <p>04 <input type="checkbox"/> Livestock keepers association</p> <p>05 <input type="checkbox"/> NGO</p> <p>And 5 other [13]</p>	s4_re1_leaders_other
<p>Additional information:</p> <p>"I" – Question instruction</p> <p>"E" – Enabling condition</p> <p>"V1" – Validation condition N°1</p> <p>"M1" – Message for validation N°1</p> <p>"F" – Filter in Categorical questions</p>		<p>Link to full set in appendix</p>	

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