Survey Solutions

Land Governance In Uganda 2017-FINAL1

SURVEY IDENTIFICATION INFORMATION
QUESTIONNAIRE DESCRIPTION

SECTION 1A:HOUSEHOLD IDENTIFICATION PARTICULARS
No sub-sections, No rosters, Questions: 26, Static texts: 2.

SECTION 2: HOUSEHOLD ROSTER
No sub-sections, Rosters: 1, Questions: 13, Variables: 2.

SECTION 3: EDUCATION AND HEALTH
No sub-sections, Rosters: 1, Questions: 15, Static texts: 2.

SECTION 4: WAGE EMPLOYMENT AND NON MARKET LABOUR ACTIVITIES (FOR ALL HOUSEHOLD MEMBERS 10 YEARS OLD AND ABOVE)
Sub-sections: 3, Rosters: 1, Questions: 52, Static texts: 4.

SECTION 5: HOUSING CONDITIONS, WATER AND SANITATION
No sub-sections, No rosters, Questions: 40.

SECTION 6: SOURCES OF INCOME, FINANCIAL DECISION MAKING, SAVINGS, CREDIT, BORROWING AND BANKING IN THE PAST 12 MONTHS
No sub-sections, Rosters: 1, Questions: 13, Static texts: 1.

SECTION 7. CREDIT
No sub-sections, Rosters: 1, Questions: 11, Variables: 1.

SECTION 8. DETAILS OF LOAN APPLICATIONS
No sub-sections, Rosters: 1, Questions: 23.

SECTION 9: NON CROP FARMING HOUSEHOLD ENTERPRISES/ACTIVITIES
No sub-sections, Rosters: 1, Questions: 39, Static texts: 1.

SECTION 10: HOUSEHOLD ASSETS
No sub-sections, Rosters: 1, Questions: 5.

11: SHOCKS AND COPING STRATEGIES
No sub-sections, Rosters: 1, Questions: 12.

SECTION 12: WELFARE AND FOOD SECURITY
No sub-sections, No rosters, Questions: 13.

SECTION 13A: DECISION MAKING, BARGAINING AND SOCIAL CAPITAL -- MALE RESPONDENT
No sub-sections, Rosters: 3, Questions: 13.

SECTION 13B: DECISION MAKING, BARGAINING AND SOCIAL CAPITAL -- FEMALE RESPONDENT
No sub-sections, Rosters: 3, Questions: 15.

SECTION 14A: GENDER PERCEPTIONS, LEGAL KNOWLEDGE AND CONFLICTS: MALE RESPONDENT

Sub-sections: 4, No rosters, Questions: 30.

SECTION 14B: GENDER PERCEPTIONS AND LEGAL KNOWLEDGE: FEMALE RESPONDENT
Sub-sections: 4, No rosters, Questions: 30.

SECTION 19: LINK WITH THE AGRICULTURE QUESTIONNAIRE
No sub-sections, No rosters, Questions: 2.

[AG-2] CURRENT LAND HOLDINGS - OWNED AND ACCESS RIGHTS
Sub-sections: 15, Rosters: 2, Questions: 161, Static texts: 6.

[AG-3A] AGRICULTURAL AND LABOR INPUTS
Sub-sections: 34, Rosters: 12, Questions: 127, Static texts: 25.

[AG-4A] CROPS GROWN AND TYPES OF SEEDS USED
No sub-sections, Rosters: 6, Questions: 40, Static texts: 1, Variables: 4.

[AG-5A] QUANTIFICATION OF PRODUCTION
Sub-sections: 6, Rosters: 6, Questions: 223, Static texts: 1.

[AG-6A] CATTLE AND PACK ANIMALS
No sub-sections, Rosters: 1, Questions: 16.

[AG-6B] SMALL ANIMALS
No sub-sections, Rosters: 1, Questions: 16.

[AG-6C] POULTRY & OTHERS
No sub-sections, Rosters: 1, Questions: 11.

[AG-7A] LIVESTOCK PRODUCTION - MEAT
No sub-sections, Rosters: 1, Questions: 4, Variables: 9.

[AG-7B] LIVESTOCK PRODUCTION - MILK
No sub-sections, Rosters: 1, Questions: 10, Variables: 1.

[AG-8] ANIMAL POWER
No sub-sections, Rosters: 1, Questions: 8.

[AG-9] EXTENSION SERVICES
No sub-sections, Rosters: 1, Questions: 17.

[AG-10] FARM IMPLEMENTS AND MACHINERY
No sub-sections, Rosters: 1, Questions: 12.

[AG-11] LAND MARKET AND RELATED ACTIVITIES
No sub-sections, No rosters, Questions: 14.

INTERVIEW RESULT
No sub-sections, No rosters, Questions: 4.

APPENDIX A — ENABLING CONDITIONS

APPENDIX B — VALIDATION CONDITIONS AND MESSAGES

APPENDIX C — INSTRUCTIONS

APPENDIX D — CATEGORIES

APPENDIX E — VARIABLES

APPENDIX F — CATEGORIES FILTERS

LEGEND

Basic information

Title   Land Governance In Uganda 2017-FINAL1

SECTION 1A:HOUSEHOLD IDENTIFICATION PARTICULARS

STATIC TEXT

[TO BE ANSWERED BY HEAD OF HOUSEHOLD AND IN HIS/HER ABSENCE, BY AN ADULT MEMBER OF THE HOUSEHOLD]

Name of Household Head	TEXT SCOPE: IDENTIFYING s1aq09
Household code I Leave this empty for the wave6 splt-off household	TEXT SCOPE: IDENTIFYING hhid
Household ID from the listing data	TEXT SCOPE: IDENTIFYING Listed_hhid
Batch number	NUMERIC: INTEGER SCOPE: IDENTIFYING batch_num
Start Date & Time of Household Interview	DATE: CURRENT TIME s1bq02
1. District Name	TEXT SCOPE: IDENTIFYING s1aq01a
....District Code	NUMERIC: INTEGER SCOPE: HIDDEN s1aq01b
2. County/Municipality	TEXT SCOPE: IDENTIFYING s1aq02a
....County/Municipality Code	NUMERIC: INTEGER SCOPE: HIDDEN s1aq02b
3. Sub-County/Division/Town Council	TEXT SCOPE: IDENTIFYING s1aq03a
....Sub-County/Division/Town Council Code	NUMERIC: INTEGER SCOPE: HIDDEN s1aq03b
4. Parish/Ward	TEXT SCOPE: IDENTIFYING s1aq04a
....Parish/Ward Code	NUMERIC: INTEGER SCOPE: HIDDEN s1aq04b

5. EA	TEXT SCOPE: IDENTIFYING	s1aq05a
	....	
....EA Code	NUMERIC: INTEGER SCOPE: HIDDEN	s1aq05b
	– .	
6. Village Name	TEXT SCOPE: IDENTIFYING	s1aq06
	....	
.... Village Code	TEXT SCOPE: HIDDEN	s1aq06b
	....	

7. Rural/Urban	SINGLE-SELECT	s1aq07
	01 ◯ Urban 02 ◯ Other Urban 03 ◯ Rural	

10. Contact 1 (H/H Head)	TEXT SCOPE: IDENTIFYING	s1aq10
	....	
11. Immediate Contact 2	TEXT SCOPE: IDENTIFYING	s1aq11
	....	
12. Immediate Contact 3	TEXT	s1aq12
	....	

STATIC TEXT

[HH-1B] SURVEY TIME AND LOCATION

8. GPS COORDINATES:	GPS	s1bq08
	– N	
	– W	
	– A	
9.GPS Second reading	GPS	s1bq08b
	– N	
	– W	
	– A	
10. GPS Third reading	GPS	s1bq08c
	– N	
	– W	
	– A	

9. REMARKS	TEXT	s1bq09
	....	
Trip number	NUMERIC: INTEGER SCOPE: IDENTIFYING	trip
	– .	

SECTION 2: HOUSEHOLD ROSTER

We would like to make a complete list of household members in the last 12 months including guests who slept here last night and those that left the household permanently. ASK IF ALL MEMBERS ARE LISTED	LIST h2q2 ....

SECTION 2: HOUSEHOLD ROSTER
Roster: 2. HOUSEHOLD ROSTER
generated by list question h2q2

hhroster

3. Sex	SINGLE-SELECT h2q03 01 ◯ Male 02 ◯ Female
4. What is the relationship of %rostertitle% to the head of the household? V1 `(h2q04==1 && (hhroster.Count(x=>x.h2q04==1)==1)) || (h2q04>1)` M1 Each household can have only one head. V2 `// If household head... h2q04== 1 ? //...then no spouse of the same sex hhroster.Count (x=>x.h2q04 ==2 && x.h2q03 == h2q03) ==0 : // If spouse... h2q04== 2 ? //...then no head of same s` And 70 other symbols [1] M2 ERROR. The head and spouse cannot be of the same gender. V3 `hhroster.Count(x=>x.h2q04==1 && x.h2q04==4)<=1` M3 ERROR. There is is more than one member marked as father of the head. Please correct. V4 `hhroster.Count(x=> x.h2q04==2 && x.h2q04==4)<=1` M4 ERROR. There is is more than one member marked as mother of the head. Please correct.	SINGLE-SELECT h2q04 01 ◯ Head 02 ◯ Spouse 03 ◯ Son / daughter of head or spouse 04 ◯ Grandchild 05 ◯ Parent of head or spouse 06 ◯ Sister / brother of head or spouse 07 ◯ Nephew / niece 08 ◯ Other relatives 10 ◯ Non-relative
5. During the past 12 months, how many months did %rostertitle% live here? V1 `self.InRange(0,12)` M1 The number of months must be between 0 and 12. Please correct.	NUMERIC: INTEGER h2q05 –

6. If %rostertitle% has not stayed for 12 months, what is the main reason for absence? E h2q05<12	SINGLE-SELECT h2q06 01 ⭕ New arrivals - New born 02 ⭕ New arrivals - Returned home from abduction/displacement 03 ⭕ New arrivals - To escape insecurity from home area 04 ⭕ New arrivals - Bad living conditions at home 05 ⭕ New arrivals - To look for work 06 ⭕ New arrivals - Other economic reasons 07 ⭕ New arrivals - Education 08 ⭕ New arrivals - Marriage 09 ⭕ New arrivals - Divorce 10 ⭕ Members that left - Deceased 11 ⭕ Members that left - To escape insecurity from this area 12 ⭕ Members that left - Looking for work elsewhere 13 ⭕ Members that left - Other economic reasons 14 ⭕ Members that left - Illness 15 ⭕ Members that left - Education 16 ⭕ Members that left - Marriage And 4 other symbols [1]
6_oth. Specify the main reason for absence. E h2q06==20	TEXT h2q06_oth ....
7. What is the residential status of %rostertitle%? E h2q06 !=10 V1 // if household head, must also be a usual member present or absent h2q04==1 ? self.InList(1,2) : // otherwise nothing to check true M1 Error! household head can ONLY be a Usual member(present or absent)! Confirm relationship to the head of household and residential status. V2 // if in hh for more than 6 months, must also be a usual member present or absent h2q05>=6 ? self.InList(1,2) : // otherwise nothing to check true M2 Error! Considering the numbe of Months in question 5 this can ONLY be a Usual member(present or absent)! response to question 5 and residential status.	SINGLE-SELECT h2q07 01 ⭕ Usual member present 02 ⭕ Usual member absent 03 ⭕ Regular member present 04 ⭕ Regular member absent 05 ⭕ Guest 06 ⭕ Usual member who left the household more than 6 months ago 07 ⭕ Left permanently
8. How old is %rostertitle% in completed years? IF LESS THAN ONE YEAR, WRITE 0 E h2q07>=1 & h2q07<=4 V1 self.InRange(0,100) M1 ERROR. Please record a valid age.	NUMERIC: INTEGER h2q08 – .
9a. What is the date of birth of %rostertitle%? DAY I IF DAY IS UNKNOWN, MARK '98' E h2q07>=1 & h2q07<=4 V1 self.InRange(1,31) || self==98 M1 ERROR. This is not a valid day of the month. Please correct.	NUMERIC: INTEGER h2q09a – .

9b. MONTH

I IF MONTH IS UNKNOWN, SELECT "DO NOT KNOW"

E h2q07>=1 & h2q07<=4

	SINGLE-SELECT	h2q09b
01 ◯	January	
02 ◯	February	
03 ◯	March	
04 ◯	April	
05 ◯	May	
06 ◯	June	
07 ◯	July	
08 ◯	August	
09 ◯	September	
10 ◯	October	
11 ◯	November	
12 ◯	December	
98 ◯	Don't know	

9c. YEAR

NUMERIC: INTEGER   h2q09c

I IF UNKNOWN, WRITE 9998

E h2q07>=1 & h2q07<=4

V1 h2q08==Date_check

M1 Error! Reported Age not matching with Date of Birth! Confirm and re-calculate the Age in Qn8!

V2 `// if day, month, and year are all known... h2q09a!=98 & & h2q09b!=99 && self!=9998 ?  // ...the combination must map to a valid calendar date IsDate( (double?) self, (double?) h2q09b, (double?) h2` And 47 other symbols [2]

M2 ERROR. The date recorded is not a valid calendar date. Please correct.

V3 `// If the member is child of a male head ... h2q04==3 && hhroster.Count(x=>x.h2q04==1  && x.h2q03==1)==1 ?  // ... then there is no head who is less than 14 years older than the child hhroster.Co` And 444 other symbols [2]

M3 ERROR. The head's child is too old compared to the head. Please correct.

VARIABLE   DOUBLE   Date_check

`/*  CALCULATING AGE UNDER THREE SCENARIOS */  h2q09a.InRange(1,31) && h2q09b.InRange(1,12) &&  h2q09c.InRange(1900,2017) && s1bq02!=null ?  FullYearsBetween( new DateTime ( (int) h2q09c, (in`

And 517 other symbols [1]

VARIABLE   DOUBLE   Date_check_months

`/* compute number of elapsed months */ // start of inteview CenturyMonthCode(s1bq02.Value.Month , s1bq02.Value.Year) - // date of birth CenturyMonthCode(h2q09b , h2q09c )`

10. What is the present marital status of %rostertitle%?

	SINGLE-SELECT	h2q10
01 ◯	Married monogamously	
02 ◯	Married polygamous	
03 ◯	Divorced / separated	
04 ◯	Widow / widower	
05 ◯	Never married	

E h2q07>=1 & h2q07<=4 & h2q08>=10

V1 `(h2q04 ==2 && h2q10<=2)||(h2q10>=1 && new decimal?[]{1,3,4,5,6,7,8,9,10}.Contains(h2q04))`

M1 Confirm relationship to the head of household (question 4) and marital status.

V2 `// if spouse of the head.. h2q04==2 && hhroster.Count (x=>x.h2q04 ==1)==1? //... must have the same marital status as the head hhroster.Count (x=>x.h2q04 ==1 && x.h2q10 !=h2q10)==0: // otherwise, no` And 19 other symbols [3]

M2 ERROR. Spouse should have the same marital status as the head. Please correct.

INTERVIEWER: Has any member been selected as the household head?

01 ◯ Yes

02 ◯ No

I BEFORE YOU PROEED,ENSURE THAT AT LEAST ONE MEMBER IN THE HOUSEHOLD HAS BEEN SELECTED AS THE HOUSEHOLD HEAD!!!

V1 `((HHead_check ==1) & (hhroster.Count(x=>x.H2q04==1) ==1)) || (HHead_check ==2) & (hhroster.Count(x=>x.h2q04==1) !=1)`

M1 Household has no HEAD or has two HEADs!!! Ensure that one household member is selected as head otherwise the interview will end!!

SECTION 3: EDUCATION AND HEALTH

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	s3_respondent

SECTION 3: EDUCATION AND HEALTH
Roster: HH MEMBER
generated by list question h2q2

hh_member_info

E `h2q08>=3 && h2q07.InList(1,2,3,4)`

STATIC TEXT

E `h2q08>=3 && h2q07.InList(1,2,3,4)`

Education(ALL PERSONS 3 YEARS and ABOVE!)

2. Can %rostertitle% read and write with understanding in any language? E `h2q08>=3 && h2q07.InList(1,2,3,4)`	SINGLE-SELECT s3q02 01 ◯ Unable to read and write 02 ◯ Able to read only 04 ◯ Able to read and write 05 ◯ Uses Braille
3. Has %rostertitle% ever attended any formal school? E `h2q08>=3 && h2q07.InList(1,2,3,4)` V1 `!(h2q08<6 && s3q05==2)` M1 [NAME] is less than 6 years of age and is also reported to have attended school in the past. Confirm completed years of age of [NAME]. V2 `!(h2q08<6 && s3q05==2)` M2 [NAME] is less than 6 years of age and is also reported to have attended school in the past. Confirm completed years of age of [NAME].	SINGLE-SELECT s3q03 01 ◯ Never attended 02 ◯ Attended school in the past 03 ◯ Currently attending school
4. Why has %rostertitle% not attended school? E `s3q03==1 && (h2q08>=3 && h2q07.InList(1,2,3,4))`	SINGLE-SELECT s3q04 01 ◯ Too expensive 02 ◯ Too far away 03 ◯ Poor school quality 04 ◯ Had to help at home 05 ◯ Had to help with farm work 06 ◯ Had to help with family business 07 ◯ Education not useful 08 ◯ Parents did not want 09 ◯ Not willing to attend 10 ◯ Too young 11 ◯ Orphaned 12 ◯ Displaced 13 ◯ Disabled 14 ◯ Insecurity 96 ◯ Other
Please, specify Other E `s3q03==1 & s3q04==96`	TEXT s3q04_oth ....

5. What was the highest grade/class that %rostertitle% completed ?	SINGLE-SELECT s3q05
E `s3q03==2 && (h2q08>=3 && h2q07.InList(1,2,3,4))`	10 ◯ Some schooling but not completed P.1
V1 `self== 34 ? h2q08 >= 14 : true`	11 ◯ Completed P.1
M1 Warning ! Too young to have completed S4. Please verify	12 ◯ Completed P.2
V2 `self== 61 ? h2q08 >= 19 : true`	13 ◯ Completed P.3
M2 Warning ! Seems too young to have completed degree or above. Confirm completed years of age and highest grade attained.	14 ◯ Completed P.4
V3 `self > 35 && self != 40 && self !=99 ? h2q08 >= 16 : true`	15 ◯ Completed P.5
M3 Warning ! Too young to be currently attending a grade beyond S6. Please confirm completed years of age and highest grade attained	16 ◯ Completed P.6
	17 ◯ Completed P.7
	21 ◯ Completed J.1
	22 ◯ Completed J.2
	23 ◯ Completed J.3
	31 ◯ Completed S.1
	32 ◯ Completed S.2
	33 ◯ Completed S.3
	34 ◯ Completed S.4
	35 ◯ Completed S.5
	And 5 other symbols [2]
Please, specify Other	TEXT s3q05_oth
E `s3q03==2 & s3q05==96`	....
6. What was the <u>main</u> reason that %rostertitle% left school?	SINGLE-SELECT s3q06
E `s3q03==2 && (h2q08>=3 && h2q07.InList(1,2,3,4))`	01 ◯ Completed desired schooling
	02 ◯ Further schooling not available
	03 ◯ Too expensive
	04 ◯ Too far away
	05 ◯ Had to help at home
	06 ◯ Had to help with farm work
	07 ◯ Had to help with family business
	08 ◯ Poor school quality
	09 ◯ Parents did not want
	10 ◯ Not willing to attend further
	11 ◯ Poor academic progress
	12 ◯ Sickness or calamity in family
	13 ◯ Pregnancy
	96 ◯ Other
Please, specify Other	TEXT s3q06_oth
E `s3q03==2 & s3q06==96`	....

7. What grade/class was %rostertitle% attending in [THE LAST COMPLETED SCHOOL YEAR]?

E `s3q03==3 && (h2q08>=3 && h2q07.InList(1,2,3,4))`

<table>
<tr><td colspan="2">SINGLE-SELECT</td><td>s3q07</td></tr>
<tr><td>00</td><td>◯</td><td>Had not begun school last year</td></tr>
<tr><td>01</td><td>◯</td><td>Attending nursery, kindergarten etc (lower than P.1)</td></tr>
<tr><td>10</td><td>◯</td><td>Attending P.1</td></tr>
<tr><td>11</td><td>◯</td><td>Attending P.2</td></tr>
<tr><td>12</td><td>◯</td><td>Attending P.3</td></tr>
<tr><td>13</td><td>◯</td><td>Attending P.4</td></tr>
<tr><td>14</td><td>◯</td><td>Attending P.5</td></tr>
<tr><td>15</td><td>◯</td><td>Attending P.6</td></tr>
<tr><td>16</td><td>◯</td><td>Attending P.7</td></tr>
<tr><td>30</td><td>◯</td><td>Attending S.1</td></tr>
<tr><td>31</td><td>◯</td><td>Attending S.2</td></tr>
<tr><td>32</td><td>◯</td><td>Attending S.3</td></tr>
<tr><td>33</td><td>◯</td><td>Attending S.4</td></tr>
<tr><td>34</td><td>◯</td><td>Attending S.5</td></tr>
<tr><td>35</td><td>◯</td><td>Attending S.6</td></tr>
<tr><td>40</td><td>◯</td><td>Attending postprimary/junior specializd training/certifict/diploma</td></tr>
</table>

And 3 other symbols [3]

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8. What grade/class is %rostertitle% currently attending?

E   `s3q03==3 && (h2q08>=3 && h2q07.InList(1,2,3,4))`
V1 `self ==30 ? h2q08 >=11 : true`
M1 Warning ! Too young to be currently attending S1 Please verify
V2 `self ==50 ? h2q08 >=14 : true`
M2 Warning ! Too young to be currently attending post-secondary speciali zed training. Please verify
V3 `self ==33 ? h2q08 >=14 : true`
M3 Warning ! Too young for last grade attended to be S4. please verify
V4 `//Changing this code to factor in cases where s2q07 is u naswered IsAnswered(self) ? self>=s3q07 : true`
M4 Warning! Confirm if persons's class has not advanced since last compl eted school year!

<table>
<tr><td colspan="2">SINGLE-SELECT</td><td>s3q08</td></tr>
<tr><td>00</td><td>◯</td><td>Had not begun school last year</td></tr>
<tr><td>01</td><td>◯</td><td>Attending nursery, kindergarten etc (lower than P.1)</td></tr>
<tr><td>10</td><td>◯</td><td>Attending P.1</td></tr>
<tr><td>11</td><td>◯</td><td>Attending P.2</td></tr>
<tr><td>12</td><td>◯</td><td>Attending P.3</td></tr>
<tr><td>13</td><td>◯</td><td>Attending P.4</td></tr>
<tr><td>14</td><td>◯</td><td>Attending P.5</td></tr>
<tr><td>15</td><td>◯</td><td>Attending P.6</td></tr>
<tr><td>16</td><td>◯</td><td>Attending P.7</td></tr>
<tr><td>30</td><td>◯</td><td>Attending S.1</td></tr>
<tr><td>31</td><td>◯</td><td>Attending S.2</td></tr>
<tr><td>32</td><td>◯</td><td>Attending S.3</td></tr>
<tr><td>33</td><td>◯</td><td>Attending S.4</td></tr>
<tr><td>34</td><td>◯</td><td>Attending S.5</td></tr>
<tr><td>35</td><td>◯</td><td>Attending S.6</td></tr>
<tr><td>40</td><td>◯</td><td>Attending postprimary/junior specializd training/certifict/diploma</td></tr>
</table>

And 3 other symbols [4]

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9. What type of school is %rostertitle% currently attending?

E   `s3q03==3 && (h2q08>=3 && h2q07.InList(1,2,3,4))`
V1 `self.InList(1,3)`
M1 CHECK. Confirm that this person is a member of the household. If one stays in a boarding school, one does not, by definition, stay with the ho usehold.

<table>
<tr><td colspan="2">SINGLE-SELECT</td><td>s3q09</td></tr>
<tr><td>01</td><td>◯</td><td>Day</td></tr>
<tr><td>02</td><td>◯</td><td>Boarding</td></tr>
<tr><td>03</td><td>◯</td><td>Day and Boarding</td></tr>
</table>

STATIC TEXT

E `h2q08>=10 && h2q07.InList(1,2,3,4)`

HEALTH (PERSONS 10 YEARS & ABOVE)

2. From January to June 2017, did %rostertitle% suffer from any illness or injury? E h2q08>=10 && h2q07.InList(1,2,3,4)	SINGLE-SELECT s3q10 01 ◯ Yes 02 ◯ No
3. For how many days did %rostertitle% suffer due to illness or injury from January to June 2017? E s3q10==1 && (h2q08>=10 && h2q07.InList(1,2,3,4)) V1 s3q02.InRange(1,31) M1 Please double check whether the information you entered is the actual information given by the respondent. V2 self>0 M2 The number of days the household member suffered from illness or injury must be greater than 0. Please double check.	NUMERIC: INTEGER s3q11 – .
4. For how many days did %rostertitle% have to stop doing %rostertitle%'s usual activities due to illness or injury from January to June 2017 E s3q10==1 && (h2q08>=10 && h2q07.InList(1,2,3,4)) V1 self.InRange(0,s3q11) M1 DAYS SHOULD BE LESS THAN OR EQUAL TO QUESTION 3 (%s3q11% days). Please double check whether the information you entered is the actual information given by the respondent.	NUMERIC: INTEGER s3q12 – .

SECTION 4: WAGE EMPLOYMENT AND NON MARKET LABOUR ACTIVITIES (FOR ALL HOUSEHOLD MEMBERS 10 YEARS OLD AND ABOVE)

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	s4_respondent

SECTION 4: WAGE EMPLOYMENT AND NON MARKET LABOUR ACTIVITIES (FOR ALL HOUSEHOLD MEMBERS 10 YEARS OLD AND ABOVE)
Roster: WAGE EMPLOYMENT
generated by list question h2q2

Section4

E `h2q08>=10 && h2q07.InList(1,2,3,4)`

SECTION 4: WAGE EMPLOYMENT AND NON MARKET LABOUR ACTIVITIES (FOR ALL HOUSEHOLD MEMBERS 10 YEARS OLD AND ABOVE) / WAGE EMPLOYMENT
MAIN JOB

2. In the last 12 months did %rostertitle% work for a wage, salary, commission or any payment in kind, from work in agriculture (including seasonal labor) or non-agriculture, and including doing paid domestic work, even if it was for only one hour?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	s4q2

STATIC TEXT

E `s4q2==1`

USING THIS INFORMATION, CODE THE ACTIVITY USING THE MAIN CATEGORY and SUBCATEGORY LEVELS1 to LEVEL3 ISCO CODES THAT FOLLOW

Main Category- ISCO code	SINGLE-SELECT	B2_oneDigit
E `s4q2==1`	01 ◯ Managers 02 ◯ Professionals 03 ◯ Technicians and associate professionals 04 ◯ Clerical support workers 05 ◯ Service and sales workers 06 ◯ Skilled agricultural, forestry and fishery workers 07 ◯ Craft and related trades workers 08 ◯ Plant and machine operators and assemblers 09 ◯ Elementary occupations 00 ◯ Armed forces occupations	

SubCategory Level1 - ISCO code	SINGLE-SELECT: CASCADING B2_twoDigit
	011 ◯ Chief executives, senior officials and legislators
	012 ◯ Administrative and commercial managers
	013 ◯ Production and specialized services managers
	014 ◯ Hospitality, retail and other services managers
	021 ◯ Science and engineering professionals
	022 ◯ Health professionals
	023 ◯ Teaching professionals
	024 ◯ Business and administration professionals
	025 ◯ Information and communications technology professionals
	026 ◯ Legal, social and cultural professionals
	031 ◯ Science and engineering associate professionals
	032 ◯ Health associate professionals
	033 ◯ Business and administration associate professionals
	034 ◯ Legal, social, cultural and related associate professionals
	035 ◯ Information and communications technicians
	041 ◯ General and keyboard clerks
	And 27 other symbols [5]

SubCategory Level2 - ISCO code	SINGLE-SELECT: CASCADING `B2_threeDigit` 0111 ⬡ Legislators and senior officials 0112 ⬡ Managing directors and chief executives 0121 ⬡ Business services and administration managers 0122 ⬡ Sales, marketing and development managers 0131 ⬡ Production managers in agriculture, forestry and fisheries 0132 ⬡ Manufacturing, mining, construction, and distribution managers 0133 ⬡ Information and communications technology service managers 0134 ⬡ Professional services managers 0141 ⬡ Hotel and restaurant managers 0142 ⬡ Retail and wholesale trade managers 0143 ⬡ Other services managers 0211 ⬡ Physical and earth science professionals 0212 ⬡ Mathematicians, actuaries and statisticians 0213 ⬡ Life science professionals 0214 ⬡ Engineering professionals (excluding electrotechnology) 0215 ⬡ Electrotechnology engineers And 113 other symbols [6]
SubCategory Level3 - ISCO code	SINGLE-SELECT: CASCADING `B2_fourDigit` 01111 ⬡ Legislators 01112 ⬡ Senior government officials 01113 ⬡ Traditional chiefs and heads of village 01114 ⬡ Senior officials of special-interest organizations 01120 ⬡ Managing directors and chief executives 01211 ⬡ Finance managers 01212 ⬡ Human resource managers 01213 ⬡ Policy and planning managers 01219 ⬡ Business services and administration managers not elsewhere classified 01221 ⬡ Sales and marketing managers 01222 ⬡ Advertising and public relations managers 01223 ⬡ Research and development managers 01311 ⬡ Agricultural and forestry production managers 01312 ⬡ Aquaculture and fisheries production managers 01321 ⬡ Manufacturing managers 01322 ⬡ Mining managers And 421 other symbols [7]

SUPERVISOR: DO YOU AGREE WITH THE INTERVIEWER'S ISIC CODE? IF NO, REJECT THE INTERVIEW FOR THE INTERVIEWER TO CORRECT THE CODE. E s4q2==1	SINGLE-SELECT SCOPE: SUPERVISOR B2_superConfirm 01 ◯ Yes 02 ◯ No

STATIC TEXT

E s4q2==1

USING THIS INFORMATION, CODE THE ACTIVITY USING THE MAIN CATEGORY and SUBCATEGORY LEVELS1 to LEVEL3 ISIC CODES THAT FOLLOW

Main Category - ISIC code E s4q2==1	SINGLE-SELECT: COMBO BOX B4_oneDigit 011111 ◯ Agriculture, forestry and fishing 021111 ◯ Mining and quarrying 031111 ◯ Manufacturing 041111 ◯ Electricity, gas, steam and air conditioning supply 051111 ◯ Water supply; sewerage, waste management and remediation activities 061111 ◯ Construction 071111 ◯ Wholesale and retail trade; repair of motor vehicles and motorcycles 081111 ◯ Transportation and storage 091111 ◯ Accommodation and food service activities 101111 ◯ Information and communication 111111 ◯ Financial and insurance activitie 121111 ◯ Real estate activities 131111 ◯ Professional, scientific and technical activities 141111 ◯ Administrative and support service activities 151111 ◯ Public administration and defence; compulsory social security 161111 ◯ Education And 5 other symbols [8]

SubCategory level1 - ISIC code	SINGLE-SELECT: CASCADING B4_twoDigit
	01 ◯ Crop and animal production, hunting and related service activities
	02 ◯ Forestry and logging
	03 ◯ Fishing and aquaculture
	05 ◯ Mining of coal and lignite
	06 ◯ Extraction of crude petroleum and natural gas
	07 ◯ Mining of metal ores
	08 ◯ Other mining and quarrying
	09 ◯ Mining support service activities
	10 ◯ Manufacture of food products
	11 ◯ Manufacture of beverages
	12 ◯ Manufacture of tobacco products
	13 ◯ Manufacture of textiles
	14 ◯ Manufacture of wearing apparel
	15 ◯ Manufacture of leather and related products
	16 ◯ Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
	17 ◯ Manufacture of paper and paper products
	And 72 other symbols [9]
SubCategory level2 - ISIC code	SINGLE-SELECT: CASCADING B4_threeDigit
	011222 ◯ Growing of non-perennial crops
	012222 ◯ Growing of perennial crops
	013222 ◯ Plant propagation
	014222 ◯ Animal production
	015222 ◯ Mixed farming
	016222 ◯ Support activities to agriculture and post-harvest crop activities
	017222 ◯ Hunting, trapping and related service activities
	021222 ◯ Silviculture and other forestry activities
	022222 ◯ Logging
	023222 ◯ Gathering of non-wood forest products
	024222 ◯ Support services to forestry
	031222 ◯ Fishing
	032222 ◯ Aquaculture
	051222 ◯ Mining of hard coal
	052222 ◯ Mining of lignite
	061222 ◯ Extraction of crude petroleum
	And 222 other symbols [10]

SubCategory level3 - ISIC code	SINGLE-SELECT: CASCADING B4_fourDigit
	0111 ○ Growing of cereals (except rice), leguminous crops and oil seeds
	0112 ○ Growing of rice
	0113 ○ Growing of vegetables and melons, roots and tubers
	0114 ○ Growing of sugar cane
	0115 ○ Growing of tobacco
	0116 ○ Growing of fibre crops
	0119 ○ Growing of other non-perennial crops
	0121 ○ Growing of grapes
	0122 ○ Growing of tropical and subtropical fruits
	0123 ○ Growing of citrus fruits
	0124 ○ Growing of pome fruits and stone fruits
	0125 ○ Growing of other tree and bush fruits and nuts
	0126 ○ Growing of oleaginous fruits
	0127 ○ Growing of beverage crops
	0128 ○ Growing of spices, aromatic, drug and pharmaceutical crops
	0129 ○ Growing of other perennial crops
	And 402 other symbols [11]
SUPERVISOR: DO YOU AGREE WITH THE INTERVIEWER'S ISIC CODE? IF NO, REJECT THE INTERVIEW FOR THE INTERVIEWER TO CORRECT THE CODE. E s4q2==1	SINGLE-SELECT B4_superConfirm SCOPE: SUPERVISOR 01 ○ Yes 02 ○ No
5. Is %rostertitle%'s employer /business (at %rostertitle%'s main job)? E s4q2==1	SINGLE-SELECT s4q5 01 ○ National Government 02 ○ Local government 03 ○ Government controlled business (NWSC, UMEME) 04 ○ A commercial bank 05 ○ A private enterprise (other than a commercial bank) 06 ○ Non-profit organization(NGO/CBO) 07 ○ A private household

6. During the last 12 months, during which month did %rostertitle% work on this main job? I Enumerators: tick the months in which the person worked on the main activity E s4q2==1	MULTI-SELECT s4q6 01 ☐ June 02 ☐ July 03 ☐ Aug 04 ☐ Sept 05 ☐ Oct 06 ☐ Nov 07 ☐ Dec 08 ☐ Jan 09 ☐ Feb 10 ☐ March 11 ☐ April 12 ☐ May
7. During a typical month during which %rostertitle% worked on this activity, how many days did %rostertitle% work on this main activity? E s4q2==1 V1 s4q7<=30 M1 Number of days worked cannot be greater than those in a month!	NUMERIC: INTEGER s4q7 – .
8. During a typical day of work, how many hours did %rostertitle% work on this main activity? E s4q2==1 V1 self<=24 M1 Number of hours worked cannot be more than 24 hours!	NUMERIC: INTEGER s4q8 – .
9. On this (main) job, are you paid [....]? E s4q2==1	SINGLE-SELECT s4q9 01 ○ a set rate 02 ○ both a set rate and on the commission basis of sales/harvest 03 ○ commission on the basis of sales/harvest 04 ○ in kind only 96 ○ some other way, specify
10. What is the set rate you are paid? I This should be the pay rate before taxes or other deductions are taken out. If payment is in kind, estimate the value in UGX ENTER AMOUNT IN UGX E s4q9.InList(1,2) && s4q2==1	NUMERIC: INTEGER s4q10 – .
11. What is the periodicity of this payment? E s4q2==1	SINGLE-SELECT s4q11 01 ○ Hour 02 ○ Day 03 ○ Week 04 ○ Month 96 ○ Other (specify)
Please specify Other E s4q11==96	TEXT s4q11_oth . . . .

12. In a typical month in which you worked on this job, how much did you earn?	NUMERIC: INTEGER	s4q12
I This should be earnings after taxes or other deductions are taken out. If payment is in kind, estimate the value IN UGX E s4q2==1	- .	

13. Who in the household controls/decide s on the use of cash/in-kind payments from the main job? E s4q2==1	MULTI-SELECT: LINKED	s4q13

SECTION 4: WAGE EMPLOYMENT AND NON MARKET LABOUR ACTIVITIES (FOR ALL HOUSEHOLD MEMBERS 10 YEARS OLD AND ABOVE) / WAGE EMPLOYMENT

SECOND JOB

E s4q2==1

14. In the last 12 MONTHS, did %rostertitle% had more than one activity for a wage, salary, commission or any payment in kind, from work in agriculture (including seasonal labor) or non-agriculture, and including doing paid domestic work, even if it was for only one hour?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	s4q14

STATIC TEXT

USING THIS INFORMATION, CODE THE ACTIVITY USING THE MAIN CATEGORY and SUBCATEGORY LEVELS1 to LEVEL3 ISCO CODES THAT FOLLOW

Main Category- ISCO code E s4q14==1	SINGLE-SELECT 01 ◯ Managers 02 ◯ Professionals 03 ◯ Technicians and associate professionals 04 ◯ Clerical support workers 05 ◯ Service and sales workers 06 ◯ Skilled agricultural, forestry and fishery workers 07 ◯ Craft and related trades workers 08 ◯ Plant and machine operators and assemblers 09 ◯ Elementary occupations 00 ◯ Armed forces occupations	B15_oneDigit

SubCategory Level1 - ISCO code	SINGLE-SELECT: CASCADING B15_twoDigit
	011 ◯ Chief executives, senior officials and legislators
	012 ◯ Administrative and commercial managers
	013 ◯ Production and specialized services managers
	014 ◯ Hospitality, retail and other services managers
	021 ◯ Science and engineering professionals
	022 ◯ Health professionals
	023 ◯ Teaching professionals
	024 ◯ Business and administration professionals
	025 ◯ Information and communications technology professionals
	026 ◯ Legal, social and cultural professionals
	031 ◯ Science and engineering associate professionals
	032 ◯ Health associate professionals
	033 ◯ Business and administration associate professionals
	034 ◯ Legal, social, cultural and related associate professionals
	035 ◯ Information and communications technicians
	041 ◯ General and keyboard clerks
	And 27 other symbols [12]

SubCategory Level2 - ISCO code	SINGLE-SELECT: CASCADING `B15_threeDigit` 0111 ⭕ Legislators and senior officials 0112 ⭕ Managing directors and chief executives 0121 ⭕ Business services and administration managers 0122 ⭕ Sales, marketing and development managers 0131 ⭕ Production managers in agriculture, forestry and fisheries 0132 ⭕ Manufacturing, mining, construction, and distribution managers 0133 ⭕ Information and communications technology service managers 0134 ⭕ Professional services managers 0141 ⭕ Hotel and restaurant managers 0142 ⭕ Retail and wholesale trade managers 0143 ⭕ Other services managers 0211 ⭕ Physical and earth science professionals 0212 ⭕ Mathematicians, actuaries and statisticians 0213 ⭕ Life science professionals 0214 ⭕ Engineering professionals (excluding electrotechnology) 0215 ⭕ Electrotechnology engineers And 113 other symbols [13]
SubCategory Level3 - ISCO code	SINGLE-SELECT: CASCADING `B15_fourDigit` 01111 ⭕ Legislators 01112 ⭕ Senior government officials 01113 ⭕ Traditional chiefs and heads of village 01114 ⭕ Senior officials of special-interest organizations 01120 ⭕ Managing directors and chief executives 01211 ⭕ Finance managers 01212 ⭕ Human resource managers 01213 ⭕ Policy and planning managers 01219 ⭕ Business services and administration managers not elsewhere classified 01221 ⭕ Sales and marketing managers 01222 ⭕ Advertising and public relations managers 01223 ⭕ Research and development managers 01311 ⭕ Agricultural and forestry production managers 01312 ⭕ Aquaculture and fisheries production managers 01321 ⭕ Manufacturing managers 01322 ⭕ Mining managers And 421 other symbols [14]

<mark>SUPERVISOR:</mark> DO YOU AGREE WITH THE INTERVIEWER'S ISIC CODE? IF NO, REJECT THE INTERVIEW FOR THE INTERVIEWER TO CORRECT THE CODE.	SINGLE-SELECT SCOPE: SUPERVISOR B15_superConfirm 01 ◯ Yes 02 ◯ No

STATIC TEXT

USING THIS INFORMATION, CODE THE ACTIVITY USING THE MAIN CATEGORY and SUBCATEGORY LEVELS1 to LEVEL3 ISIC CODES THAT FOLLOW

Main Category - ISIC code E s4q14==1	SINGLE-SELECT: COMBO BOX B16_oneDigit 011111 ◯ Agriculture, forestry and fishing 021111 ◯ Mining and quarrying 031111 ◯ Manufacturing 041111 ◯ Electricity, gas, steam and air conditioning supply 051111 ◯ Water supply; sewerage, waste management and remediation activities 061111 ◯ Construction 071111 ◯ Wholesale and retail trade; repair of motor vehicles and motorcycles 081111 ◯ Transportation and storage 091111 ◯ Accommodation and food service activities 101111 ◯ Information and communication 111111 ◯ Financial and insurance activitie 121111 ◯ Real estate activities 131111 ◯ Professional, scientific and technical activities 141111 ◯ Administrative and support service activities 151111 ◯ Public administration and defence; compulsory social security 161111 ◯ Education And 5 other symbols [15]

SubCategory level1 - ISIC code	SINGLE-SELECT: CASCADING B16_twoDigit
	01 ○ Crop and animal production, hunting and related service activities
	02 ○ Forestry and logging
	03 ○ Fishing and aquaculture
	05 ○ Mining of coal and lignite
	06 ○ Extraction of crude petroleum and natural gas
	07 ○ Mining of metal ores
	08 ○ Other mining and quarrying
	09 ○ Mining support service activities
	10 ○ Manufacture of food products
	11 ○ Manufacture of beverages
	12 ○ Manufacture of tobacco products
	13 ○ Manufacture of textiles
	14 ○ Manufacture of wearing apparel
	15 ○ Manufacture of leather and related products
	16 ○ Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
	17 ○ Manufacture of paper and paper products
	And 72 other symbols [16]
SubCategory level2 - ISIC code	SINGLE-SELECT: CASCADING B16_threeDigit
	011222 ○ Growing of non-perennial crops
	012222 ○ Growing of perennial crops
	013222 ○ Plant propagation
	014222 ○ Animal production
	015222 ○ Mixed farming
	016222 ○ Support activities to agriculture and post-harvest crop activities
	017222 ○ Hunting, trapping and related service activities
	021222 ○ Silviculture and other forestry activities
	022222 ○ Logging
	023222 ○ Gathering of non-wood forest products
	024222 ○ Support services to forestry
	031222 ○ Fishing
	032222 ○ Aquaculture
	051222 ○ Mining of hard coal
	052222 ○ Mining of lignite
	061222 ○ Extraction of crude petroleum
	And 222 other symbols [17]

SubCategory level3 - ISIC code	SINGLE-SELECT: CASCADING	B16_fourDigit

0111 ○ Growing of cereals (except rice), leguminous crops and oil seeds
0112 ○ Growing of rice
0113 ○ Growing of vegetables and melons, roots and tubers
0114 ○ Growing of sugar cane
0115 ○ Growing of tobacco
0116 ○ Growing of fibre crops
0119 ○ Growing of other non-perennial crops
0121 ○ Growing of grapes
0122 ○ Growing of tropical and subtropical fruits
0123 ○ Growing of citrus fruits
0124 ○ Growing of pome fruits and stone fruits
0125 ○ Growing of other tree and bush fruits and nuts
0126 ○ Growing of oleaginous fruits
0127 ○ Growing of beverage crops
0128 ○ Growing of spices, aromatic, drug and pharmaceutical crops
0129 ○ Growing of other perennial crops

And 402 other symbols [18]

SUPERVISOR: DO YOU AGREE WITH THE INTERVIEWER'S ISIC CODE? IF NO, REJECT THE INTERVIEW FOR THE INTERVIEWER TO CORRECT THE CODE.

SINGLE-SELECT
SCOPE: SUPERVISOR   B16_superConfirm

01 ○ Yes
02 ○ No

---

5. Is %rostertitle%'s employer /business (at %rostertitle%'s second job)?

E s4q14==1

SINGLE-SELECT   s4q17

01 ○ National Government
02 ○ Local government
03 ○ Government controlled business (NWSC, UMEME)
04 ○ A commercial bank
05 ○ A private enterprise (other than a commercial bank)
06 ○ Non-profit organization(NGO/CBO)
07 ○ A private household

---

6. During the last 12 months, during which month did %rostertitle% work on this this secondary job?

I Enumerators: tick the months in which the person worked on the main activity
E s4q14==1

MULTI-SELECT   s4q18

01 ☐ June
02 ☐ July
03 ☐ Aug
04 ☐ Sept
05 ☐ Oct
06 ☐ Nov
07 ☐ Dec
08 ☐ Jan
09 ☐ Feb
10 ☐ March
11 ☐ April
12 ☐ May

7. During a typical month during which %rostertitle% worked on this activity, how many days did %rostertitle% work on this secondary job? E s4q14==1	NUMERIC: INTEGER s4q19 –
8. During a typical day of work, how many hours did %rostertitle% work on this secondary job? E s4q14==1	NUMERIC: INTEGER s4q20 –
9. On this (this secondary job) job, are you paid [....]? E s4q14==1	SINGLE-SELECT s4q21 01 ◯ a set rate 02 ◯ both a set rate and on the commission basis of sales/harvest 03 ◯ commission on the basis of sales/harvest 04 ◯ in kind only 96 ◯ some other way, specify
10. What is the set rate you are paid? I This should be the pay rate before taxes or other deductions are taken out. If payment is in kind, estimate the value in UGX ENTER AMOUNT IN UGX E s4q21.InList(1,2)	NUMERIC: INTEGER s4q22 –
11. What is the periodicity of this payment? E s4q14==1	SINGLE-SELECT s4q23 01 ◯ Hour 02 ◯ Day 03 ◯ Week 04 ◯ Month 96 ◯ Other (specify)
Please specify Other E s4q23==96	TEXT s4q23_oth ....
12. In a typical month in which you worked on this job, how much did you earn? I This should be earnings after taxes or other deductions are taken out. If payment is in kind, estimate the value IN UGX E s4q14==1	NUMERIC: INTEGER s4q24 –
13. Who in the household controls/decide s on the use of cash/in-kind payments from the main job? E s4q14==1	MULTI-SELECT: LINKED s4q25

SECTION 4: WAGE EMPLOYMENT AND NON MARKET LABOUR ACTIVITIES (FOR ALL HOUSEHOLD MEMBERS 10 YEARS OLD AND ABOVE) / WAGE EMPLOYMENT
NON-MARKET LABOUR ACTIVITIES

26. In the last 7 days, how much time in hours did %rostertitle% spend collecting firewood for the household, including travel time?	NUMERIC: INTEGER s4q26 –

27. In the last 7 days, how much time in hours did %rostertitle% spend fetching water for the household, including travel time?	NUMERIC: INTEGER	s4q27
	--	
28. In the last 7 days, how much time in hours did %rostertitle% spend constructing your dwelling, farm buildings, private roads, or wells?	NUMERIC: INTEGER	s4q28
	--	
29. In the last 7 days, how much time in hours did %rostertitle% spend making major repairs to their dwelling, farm buildings, private roads, or wells?	NUMERIC: INTEGER	s4q29
	--	
30. In the last 7 days, how much time in hours did %rostertitle% spend on milling and other food processing for the household? I (This includes threshing and milling grain, making butter and cheese, s laughtering livestock, curing hides and skins, preserving food for later consumption, making beer and alcohol, and other similar And 76 other symbols [1]	NUMERIC: INTEGER	s4q30
	--	
31. In the last 7 days, how much time in hours did %rostertitle% spend making handicrafts for household use? I (This includes making furniture, clothing, clay pots, baskets, mats, and other similar activities.)	NUMERIC: INTEGER	s4q31
	--	
32. In the last 7 days, how much time in hours did %rostertitle% spend on agriculture? I This includes growing or gathering field crops, fruits, and vegetables; p roducing eggs and milk; burning charcoal; and other similar activities)	NUMERIC: INTEGER	s4q32
	--	
33. In the last 7 days, how much time in hours did %rostertitle% spend on hunting and fishing? I This includes hunting animals and birds; catching fish, crabs, and shellf ish; and other similar activities.)	NUMERIC: INTEGER	s4q33
	--	
34. In the last 7 days, how many hours did %rostertitle% spend on domestic activities?	NUMERIC: INTEGER	s4q34
	--	

SECTION 5: HOUSING CONDITIONS, WATER AND SANITATION

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED s5_respondent

1. What type of dwelling is it?	SINGLE-SELECT s5q1 10 ○ Detached house 11 ○ Semi-detached house 12 ○ Flat in a block of flats 13 ○ Room or rooms of a main house 14 ○ Servant Quarters 15 ○ Tenement (Muzigo) 16 ○ Hut 17 ○ Garage 18 ○ Go Down/ Basement 19 ○ Store 96 ○ Other, (specify)
Other (Specify) E s5q1==96	TEXT s5q1_oth ....
2. What is its tenure status?	SINGLE-SELECT s5q2 10 ○ Owner Occupied 11 ○ Free Public 12 ○ Free Private 13 ○ Subsidized public 14 ○ Subsidized private 15 ○ Rented public 16 ○ Rented private 96 ○ Other, (specify)
Others (specify) E s5q2==96	TEXT s5q2_oth ....
3. What is the parcel area of this property? UNIT E s5q2==10	SINGLE-SELECT s5q3a 01 ○ Square Metres 02 ○ Hectares 03 ○ Acres 04 ○ Square feet 96 ○ Other (specify)
Others (Specify) UNIT E s5q3a==96	TEXT s5q3a_oth ....
3b.What is the parcel area of this property? AREA E s5q2==10	NUMERIC: DECIMAL s5q3b ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─

4. How did your household acquire this property/parcel? E s5q2==10	SINGLE-SELECT s5q4 01 ◯ Purchased 02 ◯ Inherited 03 ◯ Gift/Donation
5. In what year did your household first acquire this property/ parcel? E s5q2==10	NUMERIC: INTEGER s5q5 -
6. What type of ownership rights (tenure type) does your household have to the parcel of this property? E s5q2==10	SINGLE-SELECT s5q6 01 ◯ Customary 02 ◯ Freehold 03 ◯ Leasehold 04 ◯ Mailo 05 ◯ Permit 06 ◯ Kibanja 96 ◯ Other (specify)
Others (Specify) E s5q6==96	TEXT s5q6_oth ....
6a. Are you the landlord or the occupant (kibanjas holder) of this parcel? E s5q6.InList(2,4)	SINGLE-SELECT s5q6a 01 ◯ Landlord 02 ◯ mailo tenant/kibanjas holder
7. Does your household have a formal ownership document for this property? E s5q2==10	SINGLE-SELECT s5q7 01 ◯ Yes, Title Deed 02 ◯ Yes, Certificate 03 ◯ No 96 ◯ Yes, Other (specify)
Others (Specify) E s5q7==96	TEXT s5q7_oth ....
8. In which year did your household acquire the formal title or certificate of this property/ parcel? E s5q7.InList(1,2,96) && s5q2==10	TEXT s5q8 ....
9. Whose names are listed as owners on the formal ownership document for this property? E s5q7.InList(1,2,96) && s5q2==10	MULTI-SELECT: LINKED s5q9
10. Does your household have other documents (semi-formal or informal) that would provide proof of ownership to this property? E s5q2==10	SINGLE-SELECT s5q10 01 ◯ Yes 02 ◯ No

11. What type of informal documents does your household possess?

E `s5q10==1 && s5q2==10`

MULTI-SELECT · s5q11

- 01 ☐ Inheritance Letter
- 02 ☐ Gift/Exchange paper
- 03 ☐ Sales Receipt
- 04 ☐ Approved House Plan or Building permit
- 05 ☐ Survey plan
- 06 ☐ Gov't allocation paper
- 07 ☐ Tax receipt
- 08 ☐ Utility Bill
- 96 ☐ Other (specify)

Others (Specify)

E `s5q11.Contains(96)`

TEXT · s5q11_oth

·······························

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12. Do female children have the right to inherit this property?

E `s5q2==10`

SINGLE-SELECT · s5q12

- 01 ○ Yes: Equally as male children
- 02 ○ Yes: But less than male children
- 03 ○ Yes: But more than male children
- 04 ○ Yes: But no male children
- 05 ○ No female children
- 06 ○ Not at all

---

13. Did you have any land dispute or disagreements with anyone over this parcel/property during the past 12 months?

E `s5q2==10`

SINGLE-SELECT · s5q13

- 01 ○ Yes
- 02 ○ No

---

14. What was the nature of the main dispute or disagreement?

E `s5q13==1 && s5q2==10`

SINGLE-SELECT · s5q14

- 01 ○ Boundary
- 02 ○ Ownership: Inheritance related
- 03 ○ Ownership: Sales related
- 04 ○ Ownership: Expropriation
- 05 ○ Ownership: Other
- 06 ○ Rental related
- 07 ○ Dispute with mailo landlord
- 96 ○ Other (specify)

Others (Specify)

E `s5q14==96 && s5q2==10`

TEXT · s5q14_oth

·······························

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15. How likely do you think that there would be disagreement over the ownership rights to this parcel/property in the next 5 years with a private party (excluding expropriation by the government)?

E `s5q2==10`

SINGLE-SELECT · s5q15

- 01 ○ Not at all (0%)
- 02 ○ Somewhat likely (25%)
- 03 ○ Likely (50%)
- 04 ○ Very likely (75%)
- 05 ○ Certainly, for sure (100%)

16. What is the main concern? E s5q2==10 && s5q15!=1	SINGLE-SELECT s5q16 01 ◯ Boundary 02 ◯ Ownership: Inheritance related 03 ◯ Ownership: Sales related 04 ◯ Ownership: Expropriation 05 ◯ Ownership: Other 06 ◯ Rental related 96 ◯ Other (specify)
Others (Specify) E s5q16==96 && s5q2==10	TEXT s5q16_oth ··
17. If you were to sell this land today, how much do you think you could sell it for. I UGX E s5q2==10	NUMERIC: INTEGER s5q17 -------------------------------
18.How many rooms does your household use for sleeping?	NUMERIC: INTEGER s5q18 -------------------------------
19.What is the major construction material of the roof?	SINGLE-SELECT s5q19 10 ◯ Iron sheets 11 ◯ Tiles 12 ◯ Asbestos 13 ◯ Concrete 14 ◯ Tin 15 ◯ Thatch 96 ◯ Other, (specify)
Other, (specify) E s5q19==96	TEXT s5q19_oth ··
20.What is the major construction material of the external wall?	SINGLE-SELECT s5q20 10 ◯ Concrete/ Stones 11 ◯ Cement Blocks 12 ◯ Burnt/ stabilized bricks 13 ◯ Unburnt bricks with cement 14 ◯ Unburnt bricks with mud 15 ◯ Wood 16 ◯ Mud and pole 17 ◯ Tin/Iron sheets 96 ◯ Other (specify)
Others (Specify) E s5q20==96	TEXT s5q20_oth ··
21.What is the major material of the floor?	SINGLE-SELECT s5q21 10 ◯ Concrete 11 ◯ Bricks 12 ◯ Stone 13 ◯ Cement screed 14 ◯ Rammed earth 15 ◯ Wood 16 ◯ Tiles

22.What is the main source of water for drinking for your household?	SINGLE-SELECT s5q22 10 ◯ Piped water into dwelling 11 ◯ Piped water to the yard 12 ◯ Public Taps 13 ◯ Borehole in yard/plot 14 ◯ Public borehole 15 ◯ Protected well/spring 16 ◯ Unprotected well/spring 17 ◯ River/Stream/Lake) 18 ◯ Vendor 19 ◯ Tanker 20 ◯ Gravity Flow Scheme 21 ◯ Rain Water 22 ◯ Bottled Water 96 ◯ Others, Specify
Others, Specify E s5q22==96	TEXT s5q22_oth ....
23.What type of toilet is mainly used in your household?	SINGLE-SELECT s5q23 11 ◯ Flush To Piped Sewer System 12 ◯ Flush To Septic Tank 13 ◯ Flush To Pit Latrine 14 ◯ Flush To Open Drain 18 ◯ Flush To DK Where 21 ◯ Ventilated Improved Pit Latrine 22 ◯ Pit Latrine With Slab 23 ◯ Pit Latrine Without Slab/Open Pit 31 ◯ Composting Toilet 41 ◯ Bucket 51 ◯ Hanging Toilet/Hanging Latrine 95 ◯ No Facility/Bush/Field/Polythene 96 ◯ Other (specify)
Others (Specify) E s5q23==96	TEXT s5q23_oth ....
24.Does the Household share this toilet facility with other households? E !s5q23.InList(41,95)	SINGLE-SELECT s5q24 01 ◯ Yes 02 ◯ No 03 ◯ N/A
25.Does this house have electricity?	SINGLE-SELECT s5q25 01 ◯ Yes 02 ◯ No

SECTION 6: SOURCES OF INCOME, FINANCIAL DECISION MAKING, SAVINGS, CREDIT, BORROWING AND BANKING IN THE PAST 12 MONTHS

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED s6_respondent
CB01. What is the household's most important source of earnings during last 12 months?	SINGLE-SELECT CB01 01 ◯ Subsistence farming 02 ◯ Commercial farming 03 ◯ Wage employment 04 ◯ Non-agricultural enterprises 05 ◯ Property income 06 ◯ Transfers (pension, allowances, social security benefits,) 07 ◯ Remittances 08 ◯ Organizational support (e.g. food aid, WFP, NGOs etc) 96 ◯ Other (specify)
Others(specify) E CB01==96	TEXT CB01_oth ∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙
CB02. How often do you receive money from the main source of income?	SINGLE-SELECT CB02 01 ◯ Daily 02 ◯ Weekly 03 ◯ Monthly 04 ◯ Seasonally 05 ◯ Annually 06 ◯ Irregularly

SECTION 6: SOURCES OF INCOME, FINANCIAL DECISION MAKING, SAVINGS, CREDIT, BORROWING AND BANKING IN THE PAST 12 MONTHS

Roster: TYPE OF INCOME-
generated by fixed list   rs6

21   Net actual rents received from building/property

22   Net rent received from land

32   Remittances and assistance received locally (elsewhere in the country)

33   Remittances and assistance received from abroad

34   Income from the sale of assets excluding livestock

35   Other income, not from household Enterprises (inheritance, alimony, scholarship, other unspecified income, etc.)

4. Has the household received any income (in cash &in kind) from %rostertitle% in the past 12 months?	SINGLE-SELECT s6q04 01 ◯ Yes 02 ◯ No
5. Amount received during the past 12 months. Cash I The estimated cash value. : Cash (SHILLINGS) E s6q04==1	NUMERIC: INTEGER s6q05 ▬

6. Amount received during the past 12 months. If amount was in kind, In-kind	NUMERIC: INTEGER	s6q06

I If amount was in kind, In-kind (Estimated cash value) (SHILLINGS)
E s6q04==1 && // disable for Pension and life insurance annuity benefits !(@rowcode==31)

6a. Who in the household controls/decides on the use of cash/in kind payment from %rostertitle%?	MULTI-SELECT: LINKED	s6q06a

E s6q04==1

STATIC TEXT

Now we are going to talk about investing

CB 04a. In different households, different people make decisions regarding finances. By this I mean decisions including the purchasing of goods and services in this household and how/where to save invest or spend their money. Do you make such kinds of decisions?

SINGLE-SELECT — CB04a

01 ○ I make the decisions alone
02 ○ I make the decision in consultation with partner/spouse
03 ○ I make the decision in consultation with other family or household members
04 ○ I make decisions with extended family members

CB 04b. In different households, different people make decisions regarding finances. By this I mean decisions including the purchasing of goods and services in this household and how/where to save invest or spend their money. Do you make such kinds of decisions?

E !CB04a.InList(1,2,3,4)

SINGLE-SELECT — CB04b

05 ○ Household head makes the decision
06 ○ Spouse (wife/husband) makes the decisions alone
07 ○ Parents/other elders in the family make the decision
08 ○ Children make the decisions
09 ○ Other members (not listed) make decisions

CB 05. I am going to read out a number of descriptions people have given to define saving, which of these descriptions most closely matches your own definition of saving? Saving is……?

SINGLE-SELECT — CB05

01 ○ Putting money in a special place or account for the money to be safe
02 ○ Putting money aside to stop it being spent immediately
03 ○ Planning spending so that money lasts through the week or month
04 ○ Putting money in an activity or somewhere so that it can yield profits or returns

Which mechanisms are you using to save?	MULTI-SELECT: YES/NO	CB06

01 ☐ / ☐ At home/Secret Place
02 ☐ / ☐ With a commercial bank
03 ☐ / ☐ With a Microfinance Deposit-taking Institution (MDI)
04 ☐ / ☐ With a SACCO
05 ☐ / ☐ With a Microfinance Institution
06 ☐ / ☐ With a VSLA
07 ☐ / ☐ With a ROSCA / merry-go-round
08 ☐ / ☐ Mobile Money
09 ☐ / ☐ By buying animals
10 ☐ / ☐ By buying other assets
96 ☐ / ☐ Other (specify)
97 ☐ / ☐ DONOT SAVE

Others(specify)	TEXT	CB06_oth

E CB06.Yes.Contains(96)

···

SECTION 7. CREDIT

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED s7_respondent

1. Do you yourself or jointly with others have a bank account?	SINGLE-SELECT s7q1 01 ◯ YES: UNDER HEAD'S NAME ONLY 02 ◯ YES: UNDER SPOUSE'S NAME ONLY 03 ◯ YES: HEAD JOINTLY WITH SPOUSE 04 ◯ YES: HEAD JOINT WITH OTHER 05 ◯ YES: SPOUSE JOINT WITH OTHER 06 ◯ YES: OTHER MEMBER 07 ◯ NO

SECTION 7. CREDIT

Roster: BORROWING SOURCE
generated by fixed list   borrowng_src

- 01 Friends or neighbors
- 02 Heads and Relatives
- 03 Spouse's relative (if applicable)
- 04 Private money lender
- 05 Cooperative/village savings & loans associations(VSLA)
- 06 Agricultural input suppliers
- 07 SACCOs
- 08 NGO
- 09 Micro finance institutions
- 10 Private firm
- 11 Bank

2. If your household needed money these days, could your household borrow from %rostertitle% ?	SINGLE-SELECT s7q2 01 ◯ Yes 02 ◯ No 03 ◯ N/A
3. How many households can you YOURSELF count on for the purpose of borrowing money from %rostertitle% IN THIS VILLAGE? E s7q2==1 && (@rowcode==1 || @rowcode==3 || @rowcode==2)	NUMERIC: INTEGER s7q3 ------------------------------------.
4. How many households can you YOURSELF count on for the purpose of borrowing money from %rostertitle% IN ANOTHER VILLAGE , SAME SUBCOUNTY? E s7q2==1 && (@rowcode==1 || @rowcode==3 || @rowcode==2)	NUMERIC: INTEGER s7q4 ------------------------------------.

5. How many households can you YOURSELF count on for the purpose of borrowing money from %rostertitle% IN ANOTHER SUBCOUNTY , SAME VILLAGE? E s7q2==1 && (@rowcode==1 || @rowcode==3 || @rowcode==2)	NUMERIC: INTEGER s7q5 - .
6. How many households can you YOURSELF count on for the purpose of borrowing money from %rostertitle% OUTSIDE THIS DISTRICT (INCLUDING ABROAD)? E s7q2==1 && (@rowcode==1 || @rowcode==3 || @rowcode==2)	NUMERIC: INTEGER s7q6 - .
7. Whats the maximum total amount that your household can borrow from %rostertitle%? E s7q2==1	NUMERIC: INTEGER s7q7 - .
8. During the past 12 months, has any member of your household (alone or jointly with members or non-members of the household) applied for a loan (in cash or in kind)or asked to borrow money form %rostertitle% ? E s7q2.InList(1,2)	SINGLE-SELECT s7q8 01 ⭕ Yes 02 ⭕ No
VARIABLE (s7q8==1) ? 1:0	LONG loan_count
9. What was the main reason for not applying or attempting to borrow money fron %rostertitle% ? E s7q8==2	SINGLE-SELECT s7q9 01 ⭕ NO NEED: THE HOUSEHOLD HAS ENOUGH RESOURCES 02 ⭕ LACK OF COLLATERAL 03 ⭕ FEAR OF LOSING COLLATERAL 04 ⭕ LACK OF SUPPLIER IN THE COMMUNITY 05 ⭕ DON'T KNOW WHERE TO APPLY 06 ⭕ INTEREST RATE TOO HIGH 07 ⭕ NO BANK ACCOUNT 08 ⭕ NOT A MEMBER 09 ⭕ FEAR OF BEING REJECTED 10 ⭕ DON'T LIKE TO BE INDEBTED 11 ⭕ OTHER (SPECIFY)
Please specify Other E s7q9==11	TEXT s7q9_othr ....

SECTION 8. DETAILS OF LOAN APPLICATIONS

E `borrowng_src.Count(x=>x.s7q8==1) >= 1`

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	s8_respondent

PLEASE LIST ALL LOAN APPLICATIONS BY ANY MEMBER OF YOUR HOUSEHOLD, ALONE OR JOINTLY WITH OTHER MEMBERS OR NONMEMBERS OF THE HOUSEHOLD.	LIST	loans

E `borrowng_src.Count(x=>x.s7q8==1) >= 1`

SECTION 8. DETAILS OF LOAN APPLICATIONS

Roster: DETAILS OF LOAN APPLICATIONS
generated by list question loans

loan_appns

2. Which member of your household(including yourself) applied for this loan?	MULTI-SELECT: LINKED	s8q2

3a. When was the application for this loan made? - MONTH	NUMERIC: INTEGER	s8a3a

V1 `self >0 && self <=12`
M1 Sorry .. expected months to range from 1-12

3b. When was the application for this loan made? - YEAR	NUMERIC: INTEGER	s8q3b

4. What is the source of this loan?	SINGLE-SELECT	s8q4

01 ◯ State bank
02 ◯ Bank private
03 ◯ Cooperatives / Village savings and loans associations(VSLA)
04 ◯ SACCOs
05 ◯ Gov agency
06 ◯ NGO
07 ◯ Microfinance institution
08 ◯ Employer
09 ◯ Private firm (eg coffee company)
10 ◯ Money lender
11 ◯ Relaive,friend/neighbor
12 ◯ Other

Other-loan source	TEXT	s8q4_othr

E `s8q4==12`

5. Where is this loan source located?	SINGLE-SELECT s8q5
	01 ◯ This Village
	02 ◯ Another Village / this Subcounty
	03 ◯ Another Subcounty / this District
	04 ◯ Another District
	05 ◯ Abroad

6. For what main purpose was the loan applied for?	SINGLE-SELECT s8q6
	01 ◯ Agriculture Land
	02 ◯ Other Land
	03 ◯ Farm tools and Equipment
	04 ◯ Agricultural inputs(including labor)
	05 ◯ Livestock
	06 ◯ Business
	07 ◯ Housing
	08 ◯ Vehicle
	09 ◯ Food/Goods for household
	10 ◯ Education
	11 ◯ Health
	12 ◯ Ceremonies(Wedding, funerals etc)
	13 ◯ Other

Other purpose for loan	TEXT s8q6_othr
E s8q6 == 13	....

7. How much did you or jointly with others ask from this source?	NUMERIC: INTEGER s8q7
I IF IN-KIND, GIVE THE ESTIMATED VALUE	- .

8. What is the status of the loan application	SINGLE-SELECT s8q8
	01 ◯ Fully approved
	02 ◯ Partially approved
	03 ◯ Rejected
	04 ◯ Not yet decided

9. What is the principle amount of this loan(i.e the amount you actually borrowed)	NUMERIC: INTEGER s8q9
E s8q8.InList(1,2)	- .
V1 self <=s8q7	
M1 Sorry this ammount can not exceed the ammount requested	

10. What is the total amount to be paid to the lender when the loan is fully repaid?	NUMERIC: INTEGER s8q10
E s8q8.InList(1,2)	- .

11. What is the duration of the loan? [NUMBER OF MONTHS SINCE INCEPTION OF THE LOAN]	NUMERIC: INTEGER s8q11
E s8q8.InList(1,2)	- .

12. What is the amout paid back on this loan during the past 12 months (principle + interest)

E `s8q8.InList(1,2)`
V1 `self <= s8q10`
M1 Sorry this ammount can not exceed the total ammount to be paid back

NUMERIC: INTEGER   s8q12

---.

13. What is the outstanding loan amount?

E `s8q8.InList(1,2)`

NUMERIC: INTEGER   s8q13

---.

14. What kind of guarantees were required by the lender?

E `s8q8.InList(1,2)`

SINGLE-SELECT   s8q14
01 ◯ None
02 ◯ Land
03 ◯ Cattle
04 ◯ House/Building
05 ◯ Wage
06 ◯ Group (.eg. group borrowing)
07 ◯ Other

Other-guarantees

E `s8q14==7`

TEXT   s8q14_othr

....

15. Did you sign a loan agreement document with the lender?

E `s8q8.InList(1,2)`

SINGLE-SELECT   s8q15
01 ◯ Yes
02 ◯ No

16. Would you have liked to borrow or apply for more for this purpose from this source (%rostertitle%) given the loan term?

E `s8q8.InList(1,2,4)`

SINGLE-SELECT   s8q16
01 ◯ Yes
02 ◯ No

17. Why did you not ask for more?

E `s8q16==1`

SINGLE-SELECT   s8q17
01 ◯ Lack of Collateral
02 ◯ Fear for losing Collateral
03 ◯ Interest rate too high
04 ◯ Fear of being rejected
05 ◯ Already too indebted
06 ◯ Other

Other-why did you not ask for more?

E `s8q17==6`

TEXT   s8q17_othr

....

SECTION 9: NON CROP FARMING HOUSEHOLD ENTERPRISES/ACTIVITIES

PID of respondent	MULTI-SELECT: LINKED	NA0
NA1a. Does any member of your household... own a non-agricultural business or provided a non-agricultural service from home or a household-owned shop, as a carwash owner, metal worker, mechanic, carpenter, tailor, barber, etc.?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	NA1a
NA1b. Does any member of your household... process and sell any agricultural by-products, including flour, starch, juice, beer, jam, oil, seed, bran, etc., but excluding livestock by-products, fresh/processed fish?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	NA1b
NA1c. Does any member of your household... own a trading business on a street or in a market?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	NA1c
NA1d. Does any member of your household... offer any service or sold anything on a street or in a market, including firewood, home-made charcoal, curios, construction timber, woodpoles, traditional medicine, mats, bricks, cane furniture, weave baskets, thatch grass etc.?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	NA1d
NA1e. Does any member of your household... own a professional office or offered professional services from home as a doctor, accountant, lawyer, translator, private tutor, midwife, mason, etc?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	NA1e
NA1f. Does any member of your household... drive a household-owned taxi or pick-up truck to provide transportation or moving services?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	NA1f
NA1g. Does any member of your household... own a bar or restaurant?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	NA1g
NA1h. Does any member of your household... own any other non-agricultural business, even if it is a small business run from home or on a street?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	NA1h
List the E N T E R P R I S E E `NA1a==1 || NA1b==1|| NA1c==1 || NA1d==1 || NA1e==1 || NA 1f==1 || NA1g==1 || NA1h==1`	LIST -------------------------------	N00

SECTION 9: NON CROP FARMING HOUSEHOLD ENTERPRISES/ACTIVITIES
Roster: NON CROP FARMING HOUSEHOLD ENTERPRISES/ACTIVITIES CTD... (ONLY IF THERE IS ANY CODE 1 IN Q.NA1A – NA1H)

Description of enterprise	TEXT	N01
	....	

Sector of main activity

SINGLE-SELECT   N01_1

- 01 ◯ Manufacturing, mining & quarrying
- 02 ◯ Trade & Services
- 03 ◯ Hotels, Bars & restaurants
- 04 ◯ Forestry
- 05 ◯ Agriculture

STATIC TEXT

USING THIS INFORMATION, CODE THE ACTIVITY USING THE MAIN CATEGORY and SUBCATEGORY LEVELS1 to LEVEL3 ISIC CODES THAT FOLLOW

Main Category - ISIC code

SINGLE-SELECT: COMBO BOX   N02_oneDigit

- 011111 ◯ Agriculture, forestry and fishing
- 021111 ◯ Mining and quarrying
- 031111 ◯ Manufacturing
- 041111 ◯ Electricity, gas, steam and air conditioning supply
- 051111 ◯ Water supply; sewerage, waste management and remediation activities
- 061111 ◯ Construction
- 071111 ◯ Wholesale and retail trade; repair of motor vehicles and motorcycles
- 081111 ◯ Transportation and storage
- 091111 ◯ Accommodation and food service activities
- 101111 ◯ Information and communication
- 111111 ◯ Financial and insurance activitie
- 121111 ◯ Real estate activities
- 131111 ◯ Professional, scientific and technical activities
- 141111 ◯ Administrative and support service activities
- 151111 ◯ Public administration and defence; compulsory social security
- 161111 ◯ Education

And 5 other symbols [19]

SubCategory level1 - ISIC code	SINGLE-SELECT: CASCADING N02_twoDigit

01 ○ Crop and animal production, hunting and related service activities
02 ○ Forestry and logging
03 ○ Fishing and aquaculture
05 ○ Mining of coal and lignite
06 ○ Extraction of crude petroleum and natural gas
07 ○ Mining of metal ores
08 ○ Other mining and quarrying
09 ○ Mining support service activities
10 ○ Manufacture of food products
11 ○ Manufacture of beverages
12 ○ Manufacture of tobacco products
13 ○ Manufacture of textiles
14 ○ Manufacture of wearing apparel
15 ○ Manufacture of leather and related products
16 ○ Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
17 ○ Manufacture of paper and paper products

And 72 other symbols [20]

SubCategory level2 - ISIC code	SINGLE-SELECT: CASCADING N02_threeDigit

011222 ○ Growing of non-perennial crops
012222 ○ Growing of perennial crops
013222 ○ Plant propagation
014222 ○ Animal production
015222 ○ Mixed farming
016222 ○ Support activities to agriculture and post-harvest crop activities
017222 ○ Hunting, trapping and related service activities
021222 ○ Silviculture and other forestry activities
022222 ○ Logging
023222 ○ Gathering of non-wood forest products
024222 ○ Support services to forestry
031222 ○ Fishing
032222 ○ Aquaculture
051222 ○ Mining of hard coal
052222 ○ Mining of lignite
061222 ○ Extraction of crude petroleum

And 222 other symbols [21]

SubCategory level3 - ISIC code	SINGLE-SELECT: CASCADING	N02_fourDigit

0111 ○ Growing of cereals (except rice), leguminous crops and oil seeds
0112 ○ Growing of rice
0113 ○ Growing of vegetables and melons, roots and tubers
0114 ○ Growing of sugar cane
0115 ○ Growing of tobacco
0116 ○ Growing of fibre crops
0119 ○ Growing of other non-perennial crops
0121 ○ Growing of grapes
0122 ○ Growing of tropical and subtropical fruits
0123 ○ Growing of citrus fruits
0124 ○ Growing of pome fruits and stone fruits
0125 ○ Growing of other tree and bush fruits and nuts
0126 ○ Growing of oleaginous fruits
0127 ○ Growing of beverage crops
0128 ○ Growing of spices, aromatic, drug and pharmaceutical crops
0129 ○ Growing of other perennial crops

And 402 other symbols [22]

ID code of person responsible — SINGLE-SELECT: LINKED — N03

NO4.Year started — NUMERIC: INTEGER — N04

V1 self >=1900 && self<=2017
M1 Sorry Expected year to range between 1900 and 2017

N05. Where is this %rostertitle% located? — SINGLE-SELECT — N05

01 ○ Home inside the residence
02 ○ Home outside the residence
03 ○ Industrial site
04 ○ Traditional market
05 ○ Commercial District shop
06 ○ Roadside
07 ○ Other Fixed place
08 ○ Mobile
98 ○ Don't know

N06.How was this %rostertitle% acquired? — SINGLE-SELECT — N06

01 ○ Founded
02 ○ Purchased
03 ○ Inherited after the death of a family member
04 ○ Allocated by family
05 ○ Gift from non-household member
96 ○ Other (Specify)
98 ○ Don't Know

Other(specify) E N06==96	TEXT N06_oth ....
N07. What was the main source of money for setting up the business?	SINGLE-SELECT N07 01 ○ Didn't need any money 02 ○ Own/household's savings 03 ○ Commercial/Development Bank 04 ○ Deposit Taking Microfinance institutions 05 ○ SACCO 06 ○ Local group 07 ○ NGO 96 ○ Other (specify)
Other(specify) E N07==96	TEXT N07_oth ....
N08_1. In the last 12 months, has this household used any funding to finance expansion and capital improvements or to face unexpected expenses for this %rostertitle%?	SINGLE-SELECT N08_1 01 ○ Yes 02 ○ No
N09_1. What was the primary source of funding used? E N08_1==1	SINGLE-SELECT N09_1 01 ○ Formal Banks (Commercial/Development) 02 ○ Deposit Taking Micro-Finance Institutions 03 ○ SACCO 04 ○ NGO 05 ○ Credit Union 06 ○ Landlord 07 ○ Employer 08 ○ Local group 09 ○ Relative 10 ○ Friend 11 ○ Local money lender 12 ○ Own/household's savings 96 ○ Other (specify)
Other(specify) E N09_1==96	TEXT N09_1_oth ....
N10: Which people in the household work in this enterprise/activity?	MULTI-SELECT: ORDERED, LINKED N10
N11. Who in this household decides on the use of earnings from this enterprise?	MULTI-SELECT: LINKED N11
N12. In the past 12 months, how many months did the %rostertitle% operate?	NUMERIC: INTEGER N12 --------------------------------
N13.Is the enterprise in operation today? E N12<12	SINGLE-SELECT N13 01 ○ Yes 02 ○ No

N14. What is/was the average monthly gross revenues during the months when the %rostertitle% is/was operating?	NUMERIC: INTEGER N14 -
N15A. How many people does %rostertitle% hire during a month when the enterprise is/was operating? PAID I If none, write '0' and go to N17	NUMERIC: INTEGER N15A -
N15B. How many people does %rostertitle% hire during a month when the enterprise is/was operating? UNPAID I If none, write '0' and go to N17	NUMERIC: INTEGER N15B -
N16. What is/ was the average expenditure of %rostertitle% on wages during that month? E N15A>0	NUMERIC: INTEGER N16 -
N17. What is/was the average expenditure of %rostertitle% on raw materials during that month?	NUMERIC: INTEGER N17 -
N18. Other operating expenses such as fuel, kerosene, electricity etc during that month?	NUMERIC: INTEGER N18 -
N19. Over the past three years, has the %rostertitle%' revenues (sales, turnover) increased, decreased or remained the same?	SINGLE-SELECT N19 01 ◯ increased 02 ◯ decreased 03 ◯ remained The same 98 ◯ don't know
N20. What factors have constrained the business owner's ability to increase the size of the %rostertitle% to the desired size? E N19.InList(2,3,98)	MULTI-SELECT: ORDERED, YES/NO N20 01 ☐ / ☐ lack of demand 02 ☐ / ☐ lack of inputs 03 ☐ / ☐ lack of finance 04 ☐ / ☐ poor quality electricity and phone 05 ☐ / ☐ lack of trained employees 06 ☐ / ☐ Cost of hiring new employees 07 ☐ / ☐ Legal regulations 08 ☐ / ☐ Poor quality roads 09 ☐ / ☐ Lack of market information 10 ☐ / ☐ high tax rates 11 ☐ / ☐ lack of clear ownership of land 12 ☐ / ☐ high crime rates 13 ☐ / ☐ Economic policy uncertainty (e.g. exchange rate fluctuation & interest rates) 14 ☐ / ☐ Corruption 15 ☐ / ☐ lack of time to work on the business 16 ☐ / ☐ the business is the desired size And 2 other symbols [23]
Other(specify)	TEXT N20_oth ....

SECTION 10: HOUSEHOLD ASSETS

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	s10_respondent

SECTION 10: HOUSEHOLD ASSETS
Roster: HOUSEHOLD ASSETS
generated by fixed list   rs14

01   Owner Occupied House

02   Other Buildings

03   Non-Agricultural Land

04   Furniture/Furnishings

05   Household Appliances e.g. Kettle, Flat iron, Blender, Toaster etc

23   Cooker

24   Refrigerator

25   Washing machine/Driers

06   Television

26   Radio

27   Home theater/ music system

07   Cassette /DVD/CD

08   Generators

09   Solar panel/electric inverters

10   Bicycle

11   Motor cycle

12   Motor vehicle

13   Boat Canoe

14   Other Transport equipment

15   Jewelry and Watches

28   Fixed Phone

16   Mobile phone

17   Computer -Desktop/Laptop/Tablets/iPad

18   Internet Access

19   Other electronic equipment

20   Other household assets e.g. lawn mowers, etc

21   Other 1 (specify)

22   Other 2 (specify)

3. Does any member of your household own %rostertitle% at present?	SINGLE-SELECT 01 ◯ Yes, individually 02 ◯ Yes, jointly with hh members 03 ◯ Yes, jointly with non hh member 04 ◯ No	s10q3

3a. Who owns %rostertitle%?

MULTI-SELECT: LINKED   s10q3a

E `s10q3.InList(1,2,3) && // disable for some assets !(@row
   code==3 || @rowcode==4 || @rowcode==5 || @rowcode==23 ||
   @rowcode==15 || @rowcode==24 || @rowcode==25 || @rowcode
   ==19 || @rowcode==14 || @` [And 60 other symbols [1]](#)

4. How many %rostertitle% do your household own at present? Number

NUMERIC: INTEGER   s10q4

- .

E `s10q3.InList(1,2,3) && // disable for some assets !(@row
   code==3 || @rowcode==4 || @rowcode==5 || @rowcode==23 ||
   @rowcode==15 || @rowcode==24 || @rowcode==25 || @rowcode
   ==19 || @rowcode==14 || @` [And 60 other symbols [2]](#)

5. How many %rostertitle% do your household own at present? Total estimated value (in Shs)

NUMERIC: INTEGER   s10q5

- .

E `s10q3.InList(1,2,3) && !(@rowcode==18)`

11: SHOCKS AND COPING STRATEGIES

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	s11_respondent

11: SHOCKS AND COPING STRATEGIES
Roster: DESCRIPTION OF DISTRESS EVENTS
generated by fixed list   rs16

1011	Drought
1012	Irregular Rains
0102	Floods
1031	Landslides
1032	Erosion
0104	Unusually High Level of Crop Pests & Disease
0105	Unusually High Level of Livestock Disease
0106	Unusually High Costs of Agricultural Inputs
0107	Unusually Low Prices for Agricultural Output
0108	Reduction in the Earnings of Currently (Off-Farm) Employed Household Member(s)
0109	Loss of Employment of Previously Employed Household Member(s) (Not Due to Illness or Accident)
0110	Serious Illness or Accident of Income Earner(s)
0111	Serious Illness or Accident of Other Household Member(s)
0112	Death of Income Earner(s)
0113	Death of Other Household Member(s)
0114	Theft of Money/Valuables/Non-Agricultural Assets
0115	Theft of Agricultural Assets/Output (Crop or Livestock)
0116	Conflict/Violence
0117	Fire
0118	Other (Specify)

1. Did you experience %rostertitle% during the past 12 months?	SINGLE-SELECT 01 ⭕ Yes 02 ⭕ No	s11q1

Please specify what Distress event this is E @rowcode==118 && s11q1==1	TEXT	s11q_event118

2a. When did the %rostertitle% first occur? MM E s11q1==1	SINGLE-SELECT s11q2a 01 ◯ Jan 02 ◯ Feb 03 ◯ Mar 04 ◯ Apr 05 ◯ May 06 ◯ Jun 07 ◯ July 08 ◯ Aug 09 ◯ Sept 10 ◯ Oct 11 ◯ Nov 12 ◯ Dec
2y. When did the %rostertitle% first occur? YYYY E s11q1==1 V1 self.InRange(1900,2017) M1 Sorry Year expected to be betweeen 1900 and 2017	NUMERIC: INTEGER s11q2y - .
2b. How long did the %rostertitle% last? I (RECORD NUMBER OF MONTHS) IF LESS THAN 1 MONTH RECORD '00' E s11q1==1	NUMERIC: INTEGER s11q2b - .
3a. As a result of the %rostertitle%, was there a decline in your household's Income? E s11q1==1	SINGLE-SELECT s11q3a 01 ◯ Yes 02 ◯ No
3b. As a result of the %rostertitle%, was there a decline in your household's Assets? E s11q1==1	SINGLE-SELECT s11q3b 01 ◯ Yes 02 ◯ No
3c. As a result of the %rostertitle%, was there a decline in your household's Food Production ? E s11q1==1	SINGLE-SELECT s11q3c 01 ◯ Yes 02 ◯ No
3d. As a result of the %rostertitle%, was there a decline in your household's Food Purchases ? E s11q1==1	SINGLE-SELECT s11q3d 01 ◯ Yes 02 ◯ No

4. How did your household cope with this %rostertitle%? E s11q1==1	MULTI-SELECT s11q4
	01 ☐ Unconditional help provided by relatives/friends
	02 ☐ Unconditional help provided by local government
	03 ☐ Changed dietary patterns involuntarily (Relied on less preferred food options, reduced the proportion or number of meals per day, skipped days without eating, etc...)
	04 ☐ Changed cropping practices (crop choices or technology)
	05 ☐ Household member(s) took on more non-farm (wage- or self-) employment
	06 ☐ Household member(s) took on more farm wage employment
	07 ☐ Household member(s) migrated
	08 ☐ Relied on savings
	09 ☐ Obtained credit
	10 ☐ Sold durable household assets (agricultural or non-agricultural)
	11 ☐ Sold land/building
	12 ☐ Rented out land/building
	13 ☐ Distress sales of animal stock
	14 ☐ Sent children to live elsewhere
	15 ☐ Reduced expenditures on health and education
	96 ☐ Other (specify)
Please specify Other E s11q4.Contains(96)	TEXT s11q4_othr

SECTION 12: WELFARE AND FOOD SECURITY

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED s12_respondent
2. Does every member of the household have at least two sets of clothes?	SINGLE-SELECT s12q2 01 ◯ Yes 02 ◯ No
3. Does every child in this household (all those under 18 years old) have a blanket?	SINGLE-SELECT s12q3 01 ◯ Yes 02 ◯ No 03 ◯ Not Applicable
4. Does every member of the household have at least one pair of shoes?	SINGLE-SELECT s12q4 01 ◯ Yes 02 ◯ No
5. How many meals, including breakfast are taken per day in your household? V1 `self <=6` M1 Sorry, please check the number of meals reported here	NUMERIC: INTEGER s12q5 -
6. What did your children below 5 years old (0-4 years) have for breakfast yesterday? I FOR HOUSEHOLD WITH CHILDREN UNDER AGE 5 (IF NONE, WRITE '12'):	SINGLE-SELECT s12q6 01 ◯ Tea/drink with sugar 02 ◯ Milk/milk tea with sugar 03 ◯ Solid food only 04 ◯ Tea/drink with solid food 05 ◯ Tea/drink without sugar with solid food 06 ◯ Porridge with solid food 07 ◯ Porridge with sugar 08 ◯ Porridge with milk 09 ◯ Porridge without sugar 11 ◯ Nothing 12 ◯ No under 5s in the household 96 ◯ Other (Specify)
Others (specify) E `s12q6==96`	TEXT s12q6_oth ·

7. What did your children between 5 to 13 years old have for breakfast yesterday?

I FOR HOUSEHOLD WITH CHILDREN 5-13 (IF NONE, WRITE '12'):

SINGLE-SELECT   s12q7

- 01 ◯ Tea/drink with sugar
- 02 ◯ Milk/milk tea with sugar
- 03 ◯ Solid food only
- 04 ◯ Tea/drink with solid food
- 05 ◯ Tea/drink without sugar with solid food
- 06 ◯ Porridge with solid food
- 07 ◯ Porridge with sugar
- 08 ◯ Porridge with milk
- 09 ◯ Porridge without sugar
- 11 ◯ Nothing
- 12 ◯ No 5-13 in the household
- 96 ◯ Other (Specify)

Others (specify)

E s12q7==96

TEXT   s12q7_oth

....

8. Have you been faced with a situation when you did not have enough food to feed the household in the last 12 months?

SINGLE-SELECT   s12q8

- 01 ◯ Yes
- 02 ◯ No

9. When did you experience this situation?

I INTERVIEWER: CIRCLE ALL THAT APPLY.
E s12q8==1

MULTI-SELECT   s12q9

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

10. Why?

I INTERVIEWER: DO NOT READ OUT THE ANSWERS, CIRCLE ALL THAT APPLY.

E s12q8==1

MULTI-SELECT   s12q10

- 01 ☐ Because of inadequate household stocks due to drought/poor rains
- 02 ☐ Inadequate food stocks from previous season because insecurity prevented us from harvesting the crop
- 03 ☐ Inadequate household food stocks because of pest damage to crop
- 04 ☐ Inadequate household food stocks because we did not plant enough
- 05 ☐ We did not have enough money to buy food from the market
- 06 ☐ Food in the market was very expensive
- 07 ☐ No one was willing to offer us some food
- 08 ☐ We could not cook because we had no fuel wood
- 09 ☐ There was no food distribution
- 10 ☐ Bread winner/head of household died or moved away
- 11 ☐ We were not able to reach the market because of distance or insecurity or lack of transport
- 12 ☐ There was no food in the market
- 13 ☐ Floods / water logging
- 96 ☐ Other (Specify)

Others (specify)

E s12q10.Contains(96)

TEXT   s12q10_oth

....

SECTION 13A: DECISION MAKING, BARGAINING AND SOCIAL CAPITAL -- MALE RESPONDENT

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	s13a_respondent

SECTION 13A: DECISION MAKING, BARGAINING AND SOCIAL CAPITAL -- MALE RESPONDENT

Roster: LOCAL ORGANIZATIONS
generated by fixed list   local_orgns_male

- 01 Religious
- 02 Farmers Cooperatives
- 03 Credit Cooperaives
- 04 Womens's group(not farmers,nor credit
- 05 Youth Group
- 06 Other

Name of Other Organization E @rowcode==6	TEXT	other_orgnzn_male ....
Are you (YOURSELF) a member of this %rostertitle% group or association in your subcounty?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	s13aq1
How often does your association meet? E s13aq1==1	SINGLE-SELECT 01 ◯ Once a week 02 ◯ Twice a month 03 ◯ Once a month 04 ◯ Less than once a month	s13aq2
How often do you (YOURSELF) attend public meetings in your village?	SINGLE-SELECT 01 ◯ At least once a week 02 ◯ At least twice a month 03 ◯ At least once a month 04 ◯ Less than once a month 05 ◯ Never	s13aq3
How often do you listen to news on radio?	SINGLE-SELECT 01 ◯ Daily 02 ◯ Twice a week 03 ◯ Once a week 04 ◯ Less than once a week 05 ◯ Never	s13aq4
How often do you travel to another district?	SINGLE-SELECT 01 ◯ At least once a Week 02 ◯ At least once a Month 03 ◯ At least every three Months 04 ◯ At least every six Months 05 ◯ At least once a Year 06 ◯ Never	s13aq5

Roster: OFFICE LIST
generated by fixed list

01 LC1

02 Area Land Committee

03 LC2

04 LC3

05 LC5

06 Resident District Commissioner (RDC)

07 District Land Office

Have you (YOURSELF) ever held the following type of office (%rostertitle%) , now or in the past	SINGLE-SELECT s13aq6 01 ◯ Yes 02 ◯ No
Do you still hold this office? E s13aq6==1	SINGLE-SELECT s13aq7 01 ◯ Yes 02 ◯ No
Has any of your blood RELATIVES (not household member,not in-laws) held the following type of office (%rostertitle%)now or in the past?	SINGLE-SELECT s13aq8 01 ◯ Yes 02 ◯ No
Do they still hold this office? (%rostertitle%) E s13aq8==1	SINGLE-SELECT s13aq9 01 ◯ Yes 02 ◯ No

Roster: DECISION ON ITEMS
generated by fixed list

01 Buying Food

02 Buying Clothes

03 Buying Durable items

04 House repairs

05 Spending Women's earned income

06 Spending Men's earned income

07 Sending a child to school

08 Bringing a child to the doctor

09 Visiting Head's relatives

10 Visiting Spouse's relatives

In this household,who makes decisions on %rostertitle% ?	SINGLE-SELECT s13aq10a 01 ◯ HEAD ALONE 02 ◯ HEAD WITH SPOUSE'S APPROVAL 03 ◯ HEAD AND SPOUSE TOGETHER 04 ◯ SPOUSE ALONE 05 ◯ SPOUSE WITH HEAD'S APPROVAL 06 ◯ OTHER (SPECIFY) 07 ◯ NOT APPLICABLE

<mark>Other-who makes decisions in this household</mark> on %rostertitle% ?	TEXT	s13aq10a_othr
E s13aq10a==6	....	

<mark>Other-who makes decisions in this household</mark> on %rostertitle% ?

E s13aq10a==6

TEXT

s13aq10a_othr

SECTION 13B: DECISION MAKING, BARGAINING AND SOCIAL CAPITAL -- FEMALE RESPONDENT

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	s13b_respondent

SECTION 13B: DECISION MAKING, BARGAINING AND SOCIAL CAPITAL -- FEMALE RESPONDENT

Roster: LOCAL ORGANIZATIONS

generated by fixed list

local_orgns_female

01 Religious

02 Farmers Cooperatives

03 Credit Cooperaives

04 Womens's group(not farmers,nor credit

05 Youth Group

06 Other

Name of Other Organization E @rowcode==6	TEXT	other_orgnzn_fem
Are you (YOURSELF) a member of this %rostertitle% group or association in your subcounty?	SINGLE-SELECT 01 ○ Yes 02 ○ No	s13bq1
How often does your association meet? E s13bq1==1	SINGLE-SELECT 01 ○ Once a week 02 ○ Twice a month 03 ○ Once a month 04 ○ Less than once a month	s13bq2
How often do you (YOURSELF) attend public meetings in your village?	SINGLE-SELECT 01 ○ At least once a week 02 ○ At least twice a month 03 ○ At least once a month 04 ○ Less than once a month 05 ○ Never	s13bq3
How often do you listen to news on radio?	SINGLE-SELECT 01 ○ Daily 02 ○ Twice a week 03 ○ Once a week 04 ○ Less than once a week 05 ○ Never	s13bq4
How often do you travel to another district?	SINGLE-SELECT 01 ○ At least once a Week 02 ○ At least once a Month 03 ○ At least every three Months 04 ○ At least every six Months 05 ○ At least once a Year 06 ○ Never	s13bq5

Roster: OFFICE LIST
generated by fixed list

- 01 LC1
- 02 Area Land Committee
- 03 LC2
- 04 LC3
- 05 LC5
- 06 Resident District Commissioner (RDC)
- 07 District Land Office

Have you (YOURSELF) ever held the following type of office (%rostertitle%) , now or in the past	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	s13bq6
Do you still hold this office? E s13bq6==1	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	s13bq7
Has any of your blood RELATIVES (not household member,not in-laws) held the following type of office (%rostertitle%)now or in the past?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	s13bq8
Do they still hold this office? (%rostertitle%) E s13bq8==1	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	s13bq9

SECTION 13B: DECISION MAKING, BARGAINING AND SOCIAL CAPITAL -- FEMALE RESPONDENT

Roster: DECISION ON ITEMS
generated by fixed list

items_decision_female

- 01 Buying Food
- 02 Buying Clothes
- 03 Buying Durable items
- 04 House repairs
- 05 Spending Women's earned income
- 06 Spending Men's earned income
- 07 Sending a child to school
- 08 Bringing a child to the doctor
- 09 Visiting Head's relatives
- 10 Visiting Spouse's relatives

In this household,who makes decisions on %rostertitle% ?	SINGLE-SELECT 01 ◯ Head alone 02 ◯ Head with Spouse's approval 03 ◯ Head and spouse together 04 ◯ Spouse with Head's approval 05 ◯ Other 06 ◯ Not applicable	s13bq10a

Other-who makes decisions in this household on %rostertitle% ? E s13bq10a==5	TEXT ·······································	s13aq10b_othr
During the past 12 months, how often have you had disagreemens/quarels/conflicts between you and your spouse?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	s13bq11
Has this resulted in physical violence during the past 12 months?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	s13bq12

SECTION 14A: GENDER PERCEPTIONS, LEGAL KNOWLEDGE AND CONFLICTS: MALE RESPONDENT

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	s14a_respondent

SECTION 14A: GENDER PERCEPTIONS, LEGAL KNOWLEDGE AND CONFLICTS: MALE RESPONDENT
GENDER RELATED QUESTIONS:

1. Assume that a husband and a wife have two minor children (a son and a daughter). If the husband were to (god forbid) die, who has ownership/use rights to the land?	SINGLE-SELECT s14aq1 01 ○ the surviving spouse owns all the land 02 ○ the spouse owns a 50% share, and the two children own equal shares of the remaining 50% 03 ○ the spouse and children own equal shares of the land (each 33%) 04 ○ the boy owns all the land 05 ○ the children (boy and girl) own all the land 06 ○ the family of the late husband take the land back (brothers, father etc.) 98 ○ DK 96 ○ other

Other (specify) E s14aq1==96	TEXT s14aq1_oth ....

2.If subsequently, (god forbid) the spouse were to die, who would inherit the land? E s14aq1.InList(1,2,3,98,96)	SINGLE-SELECT s14aq2 01 ○ The son will inherit the entire land 02 ○ The son will take all the land but will be required to look after the daughter until she marries 03 ○ The daughter will inherit the entire land 04 ○ The land will be divided equally between the son and the daughter 98 ○ DK 96 ○ other (specify)

Other (specify) E s14aq2==96	TEXT s14aq2_oth ....

3.Assume that a husband and a wife jointly own the land of the household. Suppose that the wife is temporarily out of the country (living abroad). Can the husband mortgage or lease the land without the written consent of his wife?	SINGLE-SELECT s14aq3 01 ○ Yes 02 ○ No 98 ○ DK

4. Suppose a husband and a wife married want to register their land they acquired and get a certificate. Whose name should be on the title?	SINGLE-SELECT s14aq4 01 ◯ husband only 02 ◯ wife only 03 ◯ both names 04 ◯ indifferent 98 ◯ dk
5.Suppose a man is married to two wives and he has children with both. If he wants to register his plots and obtain a legal ownership/occupancy certificate, whose name should be on the certificates?	SINGLE-SELECT s14aq5 01 ◯ husband only 02 ◯ husband and first wife on all plots 03 ◯ husband and second wife on all plots 04 ◯ some plots husband with first wife, some husband with 2nd wife 05 ◯ some plots husband with first wife and children, some husband with 2nd wife and children 06 ◯ some plots husband with children of the first wife, some plots husband with children of the second wife 96 ◯ other (specify) 98 ◯ dk
Other (specify) E s14aq5==96	TEXT s14aq5_oth ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯

SECTION 14A: GENDER PERCEPTIONS, LEGAL KNOWLEDGE AND CONFLICTS: MALE RESPONDENT

MAILO LAND SPECIFIC QUESTIONS:

6. A mailo landlord wants to clear tenants from his land prior to selling it. Charles settled on the land in 1980 and payed the busuulu every year. No conflict ever happened. Do you think the landlord can evict him without compensation?	SINGLE-SELECT s14aq6 01 ◯ yes 02 ◯ no 98 ◯ dk
7.A mailo landlord wants to clear tenants from his land prior to selling it. The late father of current tenant Josephine settled on the land in 1960 and gave the land to his only daughter in 2000. Both payed the busuulu every year since land was occupied. No conflict ever happened. Do you think the landlord can evict her without compensation?	SINGLE-SELECT s14aq7 01 ◯ yes 02 ◯ no 98 ◯ dk
8. A mailo landlord wants to clear tenants from his land prior to selling it. Vincent and Harriet settled on the land in 1980 but moved to Kampala in 2010 to find a job in the city and did not cultivate the land since. Do you think the landlord can take away their land use rights from them without compensation?	SINGLE-SELECT s14aq8 01 ◯ yes 02 ◯ no 98 ◯ dk

9. Maria wants to sell her kibanja to a cousin of hers as she wants to move to the city. Can she do it without informing the landlord?	SINGLE-SELECT s14aq9 01 ◯ yes 02 ◯ no 96 ◯ other
10 A landlord refused collect ground rent (busuulu) from Diana, a bona fide occupant. What can she do to ensure she keeps her rights?	MULTI-SELECT s14aq10 01 ☐ lodge a complaint with traditional chiefs (Muluka chiefs, Gombolola chiefs, Saza chiefs) 02 ☐ lodge a complaint with the Area land committee 03 ☐ lodge a complaint with the LC1 04 ☐ lodge a complaint with the District Land Office 05 ☐ take the tenant to court (LC2, magistrate, high) 06 ☐ report to the police 07 ☐ nothing 08 ☐ pay at the sub-county 96 ☐ other (specify) 98 ☐ dk
other (specify) E s14aq10.Contains(96)	TEXT s14aq10_oth ··
11. In this area, do you know mailo tenants who were evicted without compensation in the past 10 years?	SINGLE-SELECT s14aq11 01 ◯ yes 02 ◯ no 98 ◯ dk
How many households were evicted? E s14aq11==1	TEXT s14aq11a ··
12. In the next 5 years, how likely do you think it is that landlords will evict people without proper compensation in the area?	SINGLE-SELECT s14aq12 01 ◯ not at all 02 ◯ somewhat likely 03 ◯ likely 04 ◯ very likely 05 ◯ certainly, for sure

SECTION 14A: GENDER PERCEPTIONS, LEGAL KNOWLEDGE AND CONFLICTS: MALE RESPONDENT

CONFLICT MITIGATION:

13. Hypothetically, if you had a conflict with your mailo land lord about the right to use the parcel (kibanja), where would you go to settle it? I (multiple answers)	MULTI-SELECT s14aq13 01 ☐ elders/ traditional chiefs 02 ☐ area land committee 03 ☐ LC1 04 ☐ District 05 ☐ district Land office 06 ☐ LC2 court 07 ☐ magistrate court 08 ☐ high court 09 ☐ police 10 ☐ there is nowhere to go 96 ☐ other (specify)

other (specify)	TEXT	s14aq13_oth
E `s14aq13.Contains(96)`		

14. Hypothetically, if you had a conflict with your mailo land lord about the boundaries of your parcel, where would you go to settle it?	MULTI-SELECT	s14aq14
	01 ☐ elders/ traditional chiefs	
	02 ☐ area land committee	
	03 ☐ LC1	
	04 ☐ District	
	05 ☐ district Land office	
	06 ☐ LC2 court	
	07 ☐ magistrate court	
	08 ☐ high court	
	09 ☐ police	
	10 ☐ there is nowhere to go	
	96 ☐ other (specify)	

other (specify)	TEXT	s14aq14_oth
E `s14aq14.Contains(96)`		

15. Hypothetically, if you had your landlord sell his land to an investor, and the investor subsequently orders you to leave his land, what can you do?	SINGLE-SELECT	s14aq15
I To be reformulated	01 ○ lodge a complaint to elders/ traditional chiefs	
	02 ○ lodge a complaint to area land committee	
	03 ○ lodge a complaint to LC1	
	04 ○ lodge a complaint District Land office	
	05 ○ LC2 court	
	06 ○ magistrate court	
	07 ○ high court	
	08 ○ former landlord	
	09 ○ police	
	10 ○ there is nowhere to go/nothing	
	11 ○ chase the investor	
	96 ○ other (specify)	

other (specify)	TEXT	s14aq15_oth
E `s14aq15==96`		

SECTION 14A: GENDER PERCEPTIONS, LEGAL KNOWLEDGE AND CONFLICTS: MALE RESPONDENT

DOCUMENTATION:

16. Do you know what a certificate of occupancy is?	SINGLE-SELECT	s14aq16
	01 ○ Yes	
	02 ○ no	

17. If yes, do you think having a certificate of occupancy decreases the likelihood that you could be expelled without compensation? Ranges?	SINGLE-SELECT	s14aq17
E `s14aq16==1`	01 ○ not at all	
	02 ○ somewhat likely	
	03 ○ likely	
	04 ○ very likely	
	05 ○ certainly, for sure	

18. If you want to apply for a certificate of occupancy, where can the application be submitted?

E s14aq16==1

SINGLE-SELECT   s14aq18

01 ○ elders/traditional chiefs
02 ○ LC1
03 ○ LC2
04 ○ LC3/subcounty
05 ○ District Land Office
06 ○ area land committee
07 ○ Land Lord
96 ○ other (specify)– allow multiple
98 ○ dk

---

other (specify)

E s14aq18==96

TEXT   s14aq18_oth

....

---

19. If you wanted to apply for one, what are the required documents?

I (multiple answers)
E s14aq16==1

MULTI-SELECT   s14aq19

01 ☐ survey sketch
02 ☐ application form filled by the tenant
03 ☐ application form filled by the landlords
04 ☐ receipts of ground rent payment
96 ☐ other (specify)– allow multiple
98 ☐ dk

---

other (specify)

E s14aq19.Contains(96)

TEXT   s14aq19_oth

....

SECTION 14B: GENDER PERCEPTIONS AND LEGAL KNOWLEDGE: FEMALE RESPONDENT

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	s14b_respondent

SECTION 14B: GENDER PERCEPTIONS AND LEGAL KNOWLEDGE: FEMALE RESPONDENT
GENDER RELATED QUESTIONS:

1. Assume that a husband and a wife have two minor children (a son and a daughter). If the husband were to (god forbid) die, who has ownership/use rights to the land?	SINGLE-SELECT 01 ○ the surviving spouse owns all the land 02 ○ the spouse owns a 50% share, and the two children own equal shares of the remaining 50% 03 ○ the spouse and children own equal shares of the land (each 33%) 04 ○ the boy owns all the land >3 05 ○ the children (boy and girl) own all the land>3 06 ○ the family of the late husband take the land back (brothers, father etc.)>3 98 ○ DK 96 ○ other	s14bq1
Others (specify) E s14bq1==96	TEXT	s14bq1_oth
2.If subsequently, (god forbid) the spouse were to die, who would inherit the land? E s14bq1.InList(1,2,3,98,96)	SINGLE-SELECT 01 ○ The son will inherit the entire land 02 ○ The son will take all the land but will be required to look after the daughter until she marries 03 ○ The daughter will inherit the entire land 04 ○ The land will be divided equally between the son and the daughter 98 ○ DK 96 ○ other (specify)	s14bq2
Others (specify) E s14bq2==96	TEXT	s14bq2_oth
3.Assume that a husband and a wife jointly own the land of the household. Suppose that the wife is temporarily out of the country (living abroad). Can the husband mortgage or lease the land without the written consent of his wife?	SINGLE-SELECT 01 ○ Yes 02 ○ No 98 ○ DK	s14bq3

4. Suppose a husband and a wife married want to register their land they acquired and get a certificate. Whose name should be on the title?	SINGLE-SELECT s14bq4 01 ◯ husband only 02 ◯ wife only 03 ◯ both names 04 ◯ indifferent 98 ◯ dk
5.Suppose a man is married to two wives and he has children with both. If he wants to register his plots and obtain a legal ownership/occupancy certificate, whose name should be on the certificates?	SINGLE-SELECT s14bq5 01 ◯ husband only 02 ◯ husband and first wife on all plots 03 ◯ husband and second wife on all plots 04 ◯ some plots husband with first wife, some husband with 2nd wife 05 ◯ some plots husband with first wife and children, some husband with 2nd wife and children 06 ◯ some plots husband with children of the first wife, some plots husband with children of the second wife 96 ◯ other (specify) 98 ◯ dk
Others (specify) E s14bq5==96	TEXT s14bq5_oth ··

SECTION 14B: GENDER PERCEPTIONS AND LEGAL KNOWLEDGE: FEMALE RESPONDENT

MAILO LAND SPECIFIC QUESTIONS:

6. A mailo landlord wants to clear tenants from his land prior to selling it. Charles settled on the land in 1980 and payed the busuulu every year. No conflict ever happened. Do you think the landlord can evict him without compensation?	SINGLE-SELECT s14bq6 01 ◯ yes 02 ◯ no 96 ◯ dk
7.A mailo landlord wants to clear tenants from his land prior to selling it. The late father of current tenant Josephine settled on the land in 1960 and gave the land to his only daughter in 2000. Both payed the busuulu every year since land was occupied. No conflict ever happened. Do you think the landlord evict can her without compensation?	SINGLE-SELECT s14bq7 01 ◯ yes 02 ◯ no 98 ◯ dk
8. A mailo landlord wants to clear tenants from his land prior to selling it. Vincent and Harriet settled on the land in 1980 but moved to Kampala in 2010 to find a job in the city and did not cultivate the land since. Do you think the landlord can take away their land use rights from them without compensation?	SINGLE-SELECT s14bq8 01 ◯ yes 02 ◯ no 98 ◯ dk

9. Maria wants to sell her kibanja to a cousin of hers as she wants to move to the city. Can she do it without informing the landlord?	SINGLE-SELECT s14bq9 01 ◯ yes 02 ◯ no 96 ◯ other
10. A landlord refused to collect ground rent (busuulu) from Diana, a bona fide occupant. What can she do to ensure she keeps her rights? I (multiple choice)	MULTI-SELECT s14bq10 01 ☐ lodge a complaint with traditional chiefs (Muluka chiefs, Gombolola chiefs, Saza chiefs) 02 ☐ lodge a complaint with the aerial land committee 03 ☐ lodge a complaint with the LC1 04 ☐ lodge a complaint with the District Land Office 05 ☐ take the tenant to court (LC2, magistrate, high) 06 ☐ report to the police 07 ☐ nothing 08 ☐ pay at the sub-county 96 ☐ other (specify) 98 ☐ dk
Others (specify) E s14bq10.Contains(96)	TEXT s14bq10_oth ....
11. In this area, do you know mailo tenants who were evicted without compensation in the past 10 years?	SINGLE-SELECT s14bq11 01 ◯ yes 02 ◯ no 98 ◯ dk
11a. How many households were evicted? E s14bq11==1	NUMERIC: DECIMAL s14bq11a -
12. In the next 5 years, how likely do you think it is that landlords will evict people without proper compensation in the area?	SINGLE-SELECT s14bq12 01 ◯ not at all 02 ◯ somewhat likely 03 ◯ likely 04 ◯ very likely 05 ◯ certainly, for sure

SECTION 14B: GENDER PERCEPTIONS AND LEGAL KNOWLEDGE: FEMALE RESPONDENT
CONFLICT MITIGATION:

13. Hypothetically, if you had a conflict with your mailo land lord about the right to use the parcel (kibanja), where would you go to settle it? I (multiple answers) Codes to be developed based on field	MULTI-SELECT s14bq13 01 ☐ elders/ traditional chiefs 02 ☐ area land committee 03 ☐ LC1 04 ☐ District 05 ☐ district Land office 06 ☐ LC2 court 07 ☐ magistrate court 08 ☐ high court 09 ☐ police 10 ☐ there is nowhere to go 96 ☐ other (specify)

Others (specify)	TEXT	s14bq13_oth
E s14bq13.Contains(96)	....	

14. Hypothetically, if you had a conflict with your mailo land lord about the boundaries of your parcel, where would you go to settle it?

I (multiple answers)

MULTI-SELECT   s14bq14

- 01 ☐ elders/ traditional chiefs
- 02 ☐ area land committee
- 03 ☐ LC1
- 04 ☐ District
- 05 ☐ district Land office
- 06 ☐ LC2 court
- 07 ☐ magistrate court
- 08 ☐ high court
- 09 ☐ police
- 10 ☐ there is nowhere to go
- 96 ☐ other (specify)

Others (specify)	TEXT	s14bq14_oth
E s14bq14.Contains(96)	....	

15. Hypothetically, if you had your landlord sell his land to an investor, and the investor subsequently orders you to leave his land, what can you do?

I To be reformulated

SINGLE-SELECT   s14bq15

- 01 ◯ lodge a complaint to elders/ traditional chiefs
- 02 ◯ lodge a complaint to area land committee
- 03 ◯ lodge a complaint to LC1
- 04 ◯ lodge a complaint District Land office
- 05 ◯ LC2 court
- 06 ◯ magistrate court
- 07 ◯ high court
- 08 ◯ former landlord
- 09 ◯ police
- 10 ◯ there is nowhere to go/nothing
- 11 ◯ chase the investor
- 96 ◯ other (specify)

Others (specify)	TEXT	s14bq15_oth
E s14bq15==96	....	

SECTION 14B: GENDER PERCEPTIONS AND LEGAL KNOWLEDGE: FEMALE RESPONDENT
DOCUMENTATION:

16. Do you know what a certificate of occupancy is?

SINGLE-SELECT   s14bq16

- 01 ◯ yes
- 02 ◯ no

17. If yes, do you think having a certificate of occupancy decreases the likelihood that you could be expelled without compensation? Ranges?

E s14bq16==1

SINGLE-SELECT   s14bq17

- 01 ◯ not at all
- 02 ◯ somewhat likely
- 03 ◯ likely
- 04 ◯ very likely
- 05 ◯ certainly, for sure

18. If you want to apply for a certificate of occupancy, where can the application be submitted? E s14bq16==1	SINGLE-SELECT s14bq18 01 ○ elders/traditional chiefs 02 ○ LC1 03 ○ LC2 04 ○ LC3/subcounty 05 ○ District Land Office 06 ○ area land committee 07 ○ Land Lord 96 ○ other (specify) - allow multiple 98 ○ dk
Others (specify) E s14bq18==96	TEXT s14bq18_oth ••
19. If you wanted to apply for one, what are the required documents ? I (multiple answers) E s14bq16==1	MULTI-SELECT s14bq19 01 ☐ survey sketch 02 ☐ application form filled by the tenant 03 ☐ application form filled by the landlords 04 ☐ receipts of ground rent payment 96 ☐ other (specify) -allow multiple 98 ☐ dk
Others (specify) E s14bq19.Contains(96)	TEXT s14bq19_oth ••

SECTION 19: LINK WITH THE AGRICULTURE QUESTIONNAIRE

1. During the first cropping season of 2017 (January to June), has any member of your household cultivated crops including perennial crops (e.g. fruits)?	SINGLE-SELECT s19q1 01 ◯ Yes 02 ◯ No
2. During the last 12 months, has any member of your household raised livestock or poultry?	SINGLE-SELECT s19q2 01 ◯ Yes 02 ◯ No

[AG-2] CURRENT LAND HOLDINGS - OWNED AND ACCESS RIGHTS

E // ag filter s19q1==1

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	ag2_respondent

STATIC TEXT

We would like to ask some questions about all the land for which the household has ownership or access rights including grazing and fallow land during the First cropping Season of 2017: January-June 2017

STATIC TEXT

During the first cropping Season of 2017: January-June 2017 ,

Has any member of your household owned any agricultural land including woodlots, forest land and land rented or lent out to others?	SINGLE-SELECT 01 ◯ YES 02 ◯ NO	s2aq0

LIST ALL PARCELS THAT THE HOUSEHOLD OWNS E s2aq0==1	LIST	s2aq03

Have you listed all parcels that the household owns or to which it has access through use rights? E s2aq0==1	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	s2aq05_3

[AG-2] CURRENT LAND HOLDINGS - OWNED AND ACCESS RIGHTS
Roster: LAND HOLDINGS ROSTER
generated by list question s2aq03

l_hold

RESPONDENT FOR THIS PARCEL	SINGLE-SELECT: LINKED	s2aq05_1

[AG-2] CURRENT LAND HOLDINGS - OWNED AND ACCESS RIGHTS / LAND HOLDINGS ROSTER
LOCATION

Size of this parcel in acres? Farmer estimation with two decimal digits	NUMERIC: DECIMAL - .	s2aq05

V1 self.InRange(0.1,9)
M1 WARNING. The parcel size you've entered is larger than average for this area. Please double check your answer.

STATIC TEXT

GPS coordinates

Measured with tablet	GPS	s2aq05_2_2a
	N -------------------------------	
	W -------------------------------	
	A -------------------------------	

Was GPS captured?	SINGLE-SELECT	s2aq05_2
	01 ◯ YES	
	02 ◯ NO (Give reason why)	

Why was GPS not captured? E s2aq05_2==2	SINGLE-SELECT	s2aq05_2_1
	01 ◯ Outside of LC1	
	02 ◯ Inside LC1 but owner refused	
	03 ◯ Inside LC1 but not accessible	
	06 ◯ Other specify	

Othr. Specify the reason GPS was not captured. E (s2aq05_2_1==6) && (s2aq05_2==2)	TEXT	s2aq05_2_1_oth
	....	

Is the household' homestead located on this parcel?	SINGLE-SELECT	s2aq05_4
	01 ◯ Yes	
	02 ◯ No	

Location: How long does it take to travel from the homestead to this parcel? E s2aq05_4==2	SINGLE-SELECT	s2aq06
	01 ◯ Less than 15mn	
	02 ◯ 15mn-30mn	
	03 ◯ 30mn-60mn	
	04 ◯ 1hour-2hours	
	96 ◯ Over 2 hours	

[AG-2] CURRENT LAND HOLDINGS - OWNED AND ACCESS RIGHTS / LAND HOLDINGS ROSTER

OWNERSHIP

Is this parcel under mailo tenure?	SINGLE-SELECT	s2aq07a
	01 ◯ Yes	
	02 ◯ No	

What is the tenure system? E s2aq07a==2	SINGLE-SELECT	s2aq07
	01 ◯ Freehold	
	02 ◯ Leasehold	
	04 ◯ Customary	
	96 ◯ Other (specify)	

Othr. Specfiy tenure system E (s2aq07==96)	TEXT	s2aq07_oth
	....	

How did you acquire this parcel?	SINGLE-SELECT	s2aq08
	01 ◯ Purchased	
	02 ◯ Inherited or Received as gift	
	03 ◯ Leased-in	
	04 ◯ Just walked in (cleared)	
	05 ◯ Do not know	
	06 ◯ Given by local authorities	
	07 ◯ Given by government	
	96 ◯ Other(specify)	

Please specify Other	TEXT	s2aq08_oth
E s2aq08==96	....	

How much did you pay for the parcel?	NUMERIC: INTEGER	A2aq11
E s2aq08==1	- .	

In which year did you first acquire this parcel?	NUMERIC: INTEGER	s2aq09
I RECORD 999 if household has always had the land	- -	
V1 `self.InRange(1900,s1bq02.Value.Year)||s2aq09==999`		
M1 The year that the plot was acquired seems unlikely. Please double check.		

Do you currently have access to the parcel?	SINGLE-SELECT	s2aq10
I "Access" refers to ownership rights to the parcel	01 ◯ Yes	
	02 ◯ No	

What was or is the primary use of the parcel during the 1st cropping season 2017?	SINGLE-SELECT	s2aq11a
	01 ◯ Own Cultivated (annual crops)	
	02 ◯ Own Cultivated (perennial crops)	
	03 ◯ Rented-out	
	04 ◯ Cultivated by mailo tenant	
	05 ◯ Fallow	
	06 ◯ Pasture	
	07 ◯ Woodlot/Forest	
	96 ◯ Other (specify)	

Oth. Specify what was or is the primary use of the parcel during the 1st cropping season 2017.	TEXT	s2aq11a_oth
E (s2aq11a==96)	....	

[AG-2] CURRENT LAND HOLDINGS - OWNED AND ACCESS RIGHTS / LAND HOLDINGS ROSTER
USAGE

What was the most recent year/agricultural season in which the parcel was left fallow?	NUMERIC: INTEGER	s2aq12
I RECORD YEAR [YYYY] IF NEVER LEFT FALLOW, RECORD 9999	- -	
E s2aq11a.InList(1,2,5,6,7,96)		
V1 `// either between 1970 and current year... self.InRange(1970,s1bq02.Value.Year) || // ...or have never left fallow self==9999`		
M1 ERROR. Impossible last year to leave fallow. Please enter a valid year when the parcel was last left fallow (1970 - present or 9999 if never left fallow).		

How many consecutive years was the parcel left fallow this last time?	NUMERIC: INTEGER	s2aq13a
I IF LESS THAN 1 YEAR WRITE '00'		
E s2aq12<2019 && s2aq11a.InList(1,2,5,6,7,96)		

What type of fallow was used this last time?	SINGLE-SELECT	s2aq13b
E s2aq12<2019 && s2aq11a.InList(1,2,5,6,7,96)	01 ⭕ Fallow with cover crop 02 ⭕ Fallow with residue incorporation 03 ⭕ Bare fallow	

What type of fallow was/is being used during the two cropping seasons?	SINGLE-SELECT	A2BQ12a_1
E //fallow s2aq11a==5	01 ⭕ Fallow with cover crop 02 ⭕ Fallow with residue Incorporation 03 ⭕ Bare fallow	

Have/Has tenant(s) ever pay the Bussulu?	SINGLE-SELECT	s2aq17a
E s2aq07a==1	01 ⭕ Yes 02 ⭕ No	

If yes, when was the Busulu last paid - MONTH?	NUMERIC: INTEGER	s2aq18a
E s2aq17a==1 V1 self.InRange(1,12) M1 Sorry, month is expected to be in the range 1 to 12		

If yes, when was the Busulu last paid - YEAR?	NUMERIC: INTEGER	s2aq18b
E s2aq17a==1 V1 self.InRange(1900,2017) M1 Sorry year expected to be within the 1900 and 2017 interval		

Was a receipt issued?	SINGLE-SELECT	s2aq19a
E s2aq17a==1	01 ⭕ Yes 02 ⭕ No	

If no Why not?	SINGLE-SELECT	s2aq20a
E s2aq19a==2	01 ⭕ tenant never asked 02 ⭕ don't know the tenant 03 ⭕ refused to pay 04 ⭕ others	

Oth-Why not?	TEXT	s2aq20a_oth
E s2aq20a==4		

How much rent did you or will you receive (if share cropped-out give the estimated cash value) during the last cropping season of 2017?	NUMERIC: INTEGER	s2aq14
I UShs E (s2aq11a.InList(3,4)) V1 s2aq14/s2aq05<147500 || s2aq14/s2aq05>102500 M1 Warning! The rent received per acre is higher or lower than average. Please check your answer.		

What is the relationship of the head of household to the tenant?	SINGLE-SELECT	s2aq222a
E s2aq11a.InList(3,4)	01 ○ family member 02 ○ neighbor 03 ○ no relationship 04 ○ other(specify) 05 ○ Non applicable – multiple households	

What is the gender of the tenant?	SINGLE-SELECT	s2aq23a
E s2aq11a.InList(3,4)	01 ○ Male 02 ○ Female 05 ○ Non applicable – multiple households	

What portion of the parcel did you cultivate/plant in the 1st cropping season 2017?	NUMERIC: DECIMAL	s2aq15a
I RECORD PERCENTAGE BETWEEN 0 AND 100 E s2aq11a.InList(1,2) V1 self.InRange(0,100) M1 ERROR. Record a valid percentage.	– .	

[AG-2] CURRENT LAND HOLDINGS - OWNED AND ACCESS RIGHTS / LAND HOLDINGS ROSTER

BUILDINGS

Does the parcel have any permanent or semi-permanent buildings, hut, shed, etc?	SINGLE-SELECT	A2AQ28
	01 ○ Yes 02 ○ No	

What is the main use of the building or structure?	MULTI-SELECT	A2AQ29
I RECORD UP TO 2 RESPONSES E A2AQ28==1	01 ☐ Residential 02 ☐ Barn/Stable 03 ☐ Farm Buildings 96 ☐ Other (specify)	

Other building structure on the parcel	TEXT	A2AQ29_oth
E A2AQ29.Contains(96)	....	

[AG-2] CURRENT LAND HOLDINGS - OWNED AND ACCESS RIGHTS / LAND HOLDINGS ROSTER

SOIL AND WATER

What soil type is in this parcel?	SINGLE-SELECT	s2aq16
	01 ○ Sand loam 02 ○ Sandy clay loam 03 ○ Black clay 04 ○ Other (Specify)	

Oth. Specify the soil type that is in this parcel.	TEXT	s2aq16_oth
E (s2aq16==4)	....	

What soil/land quality is this parcel?	SINGLE-SELECT	s2aq17
	01 ○ Good 02 ○ Fair 03 ○ Poor	

What is the main water source to this parcel?	SINGLE-SELECT A2AQ18 01 ◯ Irrigated 02 ◯ Rain-fed 03 ◯ Swamp/wetland
What kind of irrigation related structures or improvements does this parcel have? I RECORD UP TO 2 RESPONSES E // if irrigated A2AQ18==1	MULTI-SELECT A2AQ30 01 ☐ Well 02 ☐ Canal 03 ☐ Sprinkler 04 ☐ Drip irrigation 96 ☐ Other (specify)
Other irrigation-related structures or improvements on the parcel E A2AQ30.Contains(96)	TEXT A2AQ30_oth ....
In general, what is the topography of this parcel?	SINGLE-SELECT s2aq19 01 ◯ Hilly 02 ◯ Flat 03 ◯ Gentle slope 04 ◯ Steep slope 05 ◯ Valley 06 ◯ Other (specify)
Please, specify Other E s2aq19==6	TEXT s2aq19_oth ....
During Jan-June 2017, , were there any problems with erosion in this parcel?	SINGLE-SELECT s2aq20 01 ◯ Yes 02 ◯ No
What was the cause of these erosion problems? E (s2aq20==1)	SINGLE-SELECT s2aq21 01 ◯ Terrain 02 ◯ Flooding 03 ◯ Wind 04 ◯ Animals 05 ◯ Cultivation 06 ◯ Other (specify)
Oth. Specify the cause of these erosion problems. E (s2aq21==6)	TEXT s2aq21_oth ....
Is there any erosion control/water harvesting facility on this parcel? I SELECT THE TWO MAIN ONES V1 // if more than 1 option selected... self.Length>1 ? // ...then cannot contain "none" !self.Contains(8) : // otherwise, nothing to check true M1 ERROR. Cannot select "none" along with another option. Please correct.	MULTI-SELECT s2aq22 01 ☐ Terraces 02 ☐ Gabions/sandbags 03 ☐ Vetiver grass 04 ☐ Tree belts 05 ☐ Water harvest bunds 06 ☐ Drainage ditches 07 ☐ Dam 08 ☐ None 09 ☐ Stone bunds 10 ☐ Earth bunds

RIGHTS

Does this parcel have a formal certificate of title or customary certificate of ownership or certificate of occupancy issued by and registered with government authorities?	SINGLE-SELECT s2aq23 01 ◯ Certificate of title 02 ◯ Certificate of customary ownership 03 ◯ Mailo land title 04 ◯ No document

In which year did your household acquire the formal title or certificate for this parcel? I YEAR E // if have formal certificate s2aq23<4 V1 // restrict to 4-digit numbers self.ToString().Length==4 M1 ERROR. Year must be four digit. Please enter a valid year. V2 self.InRange(1930,2017) M2 The year that the title was acquired does not seem likely. Please double check.	NUMERIC: INTEGER A2AQ31 - - - - - - - - - - - - - - - - - - -

Which household member's name is on the title/certificate? I SELECT UP TO 4 PERSONS E s2aq23<4	MULTI-SELECT: LINKED s2aq26

write 99-OWNER PASSED AWAY E !IsAnswered(s2aq26) V1 self==99 M1 Sorry we expect 99 if The owner passed away	NUMERIC: INTEGER s2aq26b - - - - - - - - - - - - - - - - - - -

what is the main reason for not having a title/certificate? E s2aq23==4	SINGLE-SELECT A2AQ38A 01 ◯ process is too expensive 02 ◯ doesn't need a title (ok as it is) 03 ◯ does not know the process 04 ◯ process is too cumbersome 05 ◯ doesn't have sufficient documentation 96 ◯ Other (Specify)

Other reason for not having a title/certificate? E A2AQ38A==96	TEXT A2AQ38A_oth ....

how much would you be willing to pay to obtain a formal title E s2aq23=4	NUMERIC: INTEGER A2AQ39A - - - - - - - - - - - - - - - - - - -

Does your household have other documents (semi-formal or informal) that would provide proof of ownership to this parcel?	SINGLE-SELECT A2AQ32 01 ◯ Yes 02 ◯ No

What type of informal documents does your household possess?	MULTI-SELECT	A2AQ33
I LIST UP TO 3 E A2AQ32==1	01 ☐ Inheritance Letter 02 ☐ Gift/Exchange paper 03 ☐ Sales Receipt 04 ☐ Survey plan 05 ☐ Government allocation paper 06 ☐ Tax receipt 07 ☐ Utility Bill 96 ☐ Other (specify)	

Specify the other informal documents your household possesses	TEXT	A2AQ33_oth
E A2AQ33.Contains(96)	....	

Who in this household has the ownership rights to this parcel?	MULTI-SELECT: LINKED	s2aq24
I Record the ID of ALL persons		

Who in this household can decide to sell this parcel?	MULTI-SELECT: LINKED	s2aq27A
I Record the ID of ALL persons		

Who in this household can decide to use this parcel as collateral?	MULTI-SELECT: LINKED	s2aq27B
I Record the ID of ALL persons		

Who in this household can can decide to rent out this parcel?	MULTI-SELECT: LINKED	s2aq27
I Record the ID of ALL persons		

Do female children have the right to inherit this parcel?	SINGLE-SELECT	A2AQ34
	01 ○ Yes: Equally as male children 02 ○ Yes: But less than male children 03 ○ Yes: But more than male children 04 ○ Yes: But no male children 05 ○ NA: No female children 06 ○ Not at all	

[AG-2] CURRENT LAND HOLDINGS - OWNED AND ACCESS RIGHTS / LAND HOLDINGS ROSTER
LAND DISPUTES

Does this parcel have clear boundary marks?	SINGLE-SELECT	A2AQ47
	01 ○ Yes 02 ○ No	

Have you ever been concerned that somebody might dispute your ownership rights on this parcel?	SINGLE-SELECT	A2AQ25
	01 ○ Yes 02 ○ No	

Did you have any land dispute or disagreements with anyone over this parcel/ property during the past 12 months?	SINGLE-SELECT	A2AQ35
	01 ○ Yes 02 ○ No	

What was the nature of the main dispute or disagreement? E A2AQ35==1	SINGLE-SELECT A2AQ36 01 ◯ Boundary 02 ◯ Ownership: Inheritance related 03 ◯ Ownership: Sales related 04 ◯ Ownership: Expropriation 05 ◯ Ownership: Other 06 ◯ Rental/tenant related 96 ◯ Other (specify)
Specify the other nature of dispute or disagreement E A2AQ36==96	TEXT A2AQ36_oth ....
Who did you have the main dispute with? E A2AQ35==1	SINGLE-SELECT A2AQ51 01 ◯ family member(s) 02 ◯ neighbor(s) 03 ◯ tenant 04 ◯ village elders 05 ◯ local government 06 ◯ central government 07 ◯ a private company/investor 08 ◯ other
OTHER-Who did you have the main dispute with? E A2AQ51==8	TEXT A2AQ51_OTHR ....
Is this dispute resolved? E A2AQ35==1	SINGLE-SELECT A2AQ52 01 ◯ Yes 02 ◯ No
How was it resolved? E A2AQ52==1 && A2AQ35=1	SINGLE-SELECT A2AQ53 01 ◯ directly with the disputant 02 ◯ involved villages elders/chiefs 03 ◯ involved area land committee 04 ◯ involved LC1 05 ◯ involved District Land Office 06 ◯ court 07 ◯ other (specify)
How likely do you think that there would be disagreement over the ownership rights to this parcel in the next 5 years with a private party (excluding expropriation by the government)?	SINGLE-SELECT A2AQ37 01 ◯ Not at all (0%) 02 ◯ Somewhat likely (25%) 03 ◯ Likely (50%) 04 ◯ Very likely (75%) 05 ◯ Certainly, for sure (100%)
What is the main concern? E A2AQ37.InList(2,3,4,5)	SINGLE-SELECT A2AQ38 01 ◯ Boundary 02 ◯ Ownership: Inheritance related 03 ◯ Ownership: Sales related 04 ◯ Ownership: Other 05 ◯ Rental related 96 ◯ Other (specify)

Specify the concern	TEXT	A2AQ38_oth
E A2AQ38==96	....	

| How likely is it that you would lose this land if left fallow for several months? | SINGLE-SELECT
01 ◯ Not at all (0%)
02 ◯ Somewhat likely (25%)
03 ◯ Likely (50%)
04 ◯ Very likely (75%)
05 ◯ Certainly, for sure (100%) | A2AQ56 |

[AG-2] CURRENT LAND HOLDINGS - OWNED AND ACCESS RIGHTS / LAND HOLDINGS ROSTER
MARKET PRICES

If you wanted to sell this property today, how much would you receive for it?	NUMERIC: INTEGER	s2aq57
I UGX	-------------------------------------- .	
If you wanted to rent this land how much would you receive for it? 1st cropping season	NUMERIC: INTEGER	s2aq58a
	--------------------------------------	
If you wanted to rent this land how much would you receive for it? 2nd cropping season	NUMERIC: INTEGER	s2aq58b
I USH	--------------------------------------	

STATIC TEXT

SECTION 2 Part B: LAND THAT THE HOUSEHOLD HAS ACCESS THROUGH USE RIGHTS

STATIC TEXT

INTERVIEWER: PLEASE NOTE THAT THIS CATEGORY REFERS TO LAND THAT THE HOUSEHOLD HAS ONLY USER RIGHTS TO – THIS SECTION INCLUDE LAND THE HOUSEHOLD USES AS A MAILO TENANT.

During the first cropping season of 2017 (Jan. - June 2017), has your household had access (use rights) to agricultural land including woodlots and forest land belonging to someone else?	SINGLE-SELECT 01 ◯ YES 02 ◯ NO	s2bq0
	LIST	s2bq03
LIST ALL PARCELS THAT THE HOUSEHOLD ACCESSES THROUGH USE RIGHTS	....	
E s2bq0==1		

[AG-2] CURRENT LAND HOLDINGS - OWNED AND ACCESS RIGHTS
Roster: LAND HOLDINGS ROSTER PART B
generated by list question s2bq03

l_hold_b

RESPONDENT FOR THIS PARCEL	SINGLE-SELECT: LINKED	s2bq05_1

[AG-2] CURRENT LAND HOLDINGS - OWNED AND ACCESS RIGHTS / LAND HOLDINGS ROSTER PART B
LOCATION

Size of this parcel in acres?	NUMERIC: DECIMAL	s2bq05
Farmer estimation with two decimal digits	---	
V1 self.InRange(0.1,9)		
M1 WARNING. The parcel size you've entered is larger than average for this area. Please double check your answer.		

STATIC TEXT

GPS coordinates

Measured with tablet	GPS	s2bq05_2_2a
	N ---	
	W ---	
	A ---	

Was GPS captured?	SINGLE-SELECT	s2bq05_2
	01 ◯ YES	
	02 ◯ NO (Give reason why)	

Why was GPS not captured?	SINGLE-SELECT	s2bq05_2_1
E s2bq05_2==2	01 ◯ Outside of LC1	
	02 ◯ Inside LC1 but owner refused	
	03 ◯ Inside LC1 but not accessible	
	06 ◯ Other specify	

Othr. Specify the reason GPS was not captured.	TEXT	s2bq05_2_1_oth
E (s2bq05_2_1==6) && (s2bq05_2==2)	....	

Is the household' homestead located on this parcel?	SINGLE-SELECT	s2bq05_4
	01 ◯ Yes	
	02 ◯ No	

Location: How many minutes does it take to travel from the homestead to this parcel?	SINGLE-SELECT	s2bq06
E s2bq05_4==2	01 ◯ Less than 15mn	
	02 ◯ 15mn-30mn	
	03 ◯ 30mn-60mn	
	04 ◯ 1hour-2hours	
	05 ◯ Over 2 hours	

[AG-2] CURRENT LAND HOLDINGS - OWNED AND ACCESS RIGHTS / LAND HOLDINGS ROSTER PART B
OWNERSHIP STATUS

Is this parcel under mailo tenure as a kibanja?	SINGLE-SELECT	s2bq07a
	01 ◯ Yes	
	02 ◯ No	

Do you know the landlord?	SINGLE-SELECT	s2bq07
E s2bq07a==1	01 ◯ Yes	
	02 ◯ No	

What is his relationship of the landlord with the household E s2bq07==1	SINGLE-SELECT s2bq9 01 ○ family member 02 ○ neighbor 03 ○ no relationship 04 ○ other(specify)
Please specify Other E s2bq9==4	TEXT s2bq09_othr
What is the landlord's gender? E s2bq07==1	SINGLE-SELECT s2bq10 01 ○ Male 02 ○ Female
Can you please give us the landlord's name I Enter 999 if you don't know the name E s2bq07==1	TEXT s2bq11a
Can you please give us the landlord's phone number<\b>? I Enter 99999999999 if you don't know the telephone number E s2bq07==1	NUMERIC: INTEGER s2bq11b
Have you ever paid the Busuulu to the landlord E s2bq07a==1	SINGLE-SELECT s2bq12 01 ○ Yes 02 ○ No
When was the last time you paid the busuulu Month E s2bq12==1	NUMERIC: INTEGER s2bq13a
When was the last time you paid the busuulu YEAR E s2bq12==1	NUMERIC: INTEGER s2bq13b
How much did you pay in your last payment of busuulu? E s2bq12==1	NUMERIC: INTEGER s2bq14
Did you get a receipt issued? E s2bq12==1	SINGLE-SELECT s2bq15 01 ○ Yes 02 ○ No
If no Why not? E s2bq12==2	SINGLE-SELECT s2bq16 01 ○ don't know the process 02 ○ too expensive 03 ○ landlord never asked 04 ○ land lord will not accept 05 ○ don't know the landlord 06 ○ i don't feel i owe anything to the landlord 96 ○ other (specify)
Oth-Why not? E s2bq16==96	TEXT s2bq16_oth

How did you acquire this parcel? E s2bq07a==1	SINGLE-SELECT s2bq17 01 ○ Agreement with land/use rights owner 02 ○ Without agreement with land/use rights owner 03 ○ inherited mailo tenancy 04 ○ bought mailo tenancy rights from previous tenant 96 ○ Other (specify)
If no Why not? E s2bq17==96	TEXT s2bq17_othr ....
Do you have any legal document proving that your household has user rights to this land?	SINGLE-SELECT s2bq18 01 ○ Yes 02 ○ No
What document(s) do you have? E s2bq18==1	SINGLE-SELECT s2bq19 01 ○ Certificate of Occupancy 02 ○ rental agreement 04 ○ Others (Specify)
Please specify which other Document E s2bq19==4	TEXT s2bq19_othr ....
How much would you be willing to pay to obtain a legal certificate proving your user rights? I UGX E s2bq18==2	NUMERIC: INTEGER s2bq20 -------------------------------------
Assuming the landlord accept to sell this land to you, would you be willing to pay the landlord to own this parcel?	SINGLE-SELECT s2bq21 01 ○ Yes 02 ○ No
How much would you accept to pay the landlord to become the rightful owner of this land? I UGX E s2bq21==1	NUMERIC: INTEGER s2bq22 -------------------------------------
Who in your household would be registered as owners? I Multiple IDs E s2bq21==1	MULTI-SELECT: LINKED s2bq23
If no, why not? E s2bq21==2	SINGLE-SELECT s2bq24 01 ○ Too expensive 02 ○ Payment system not clear 03 ○ No need to pay 04 ○ Others (Specify)
Please specify other E s2bq24==4	TEXT s2bq24_othr ....

How much rent did you or will you pay to the land owner during the 1st cropping season of 2017?	NUMERIC: INTEGER s2bq26
I WRITE '0' IF NONE. UShs E s2bq07a==2	- -

For how many years have you been using this parcel?	NUMERIC: INTEGER s2bq27
I YEARS	- -

Do you have to renew your use rights to this parcel at least once a year?	SINGLE-SELECT s2bq28 01 ◯ Yes 02 ◯ No

Who in your household currently has the use rights to this parcel?	MULTI-SELECT: LINKED s2bq28a
I Record the ID of all persons	

[AG-2] CURRENT LAND HOLDINGS - OWNED AND ACCESS RIGHTS / LAND HOLDINGS ROSTER PART B

LAND DISPUTES

Does this parcel have clear boundary marks?	SINGLE-SELECT s2bq29 01 ◯ Yes 02 ◯ No

Did you have any land dispute or disagreements with anyone over this parcel/property during the past 12 months?	SINGLE-SELECT s2bq30 01 ◯ Yes 02 ◯ No

What was the nature of the main dispute or disagreement?	SINGLE-SELECT s2bq31 01 ◯ Boundary 02 ◯ Inheritance related 03 ◯ Sales related 04 ◯ Expropriation 05 ◯ Ownership: Other 06 ◯ Rental related 07 ◯ payment of busulu 96 ◯ Other (specify)
E s2bq30==1	

Specify the other nature of dispute or disagreement	TEXT s2bq31_oth
E s2bq31==96	....

Who did you have the main dispute with?	SINGLE-SELECT s2bq32 01 ◯ neighbor 02 ◯ landlord 03 ◯ family 04 ◯ village elders 05 ◯ local government 06 ◯ central government 07 ◯ a private company 08 ◯ other
E s2bq30==1	

OTHER-Who did you have the main dispute with? E s2bq32==8	TEXT s2bq32_othr ....
Is this dispute resolved? E s2bq30==1	SINGLE-SELECT s2bq33 01 ◯ Yes 02 ◯ No
How did you resolve this dispute? E s2bq33==1	SINGLE-SELECT s2bq34 01 ◯ directly with the disputant 02 ◯ involved village elders/chiefs 03 ◯ involved area land committee 04 ◯ involved LC1 05 ◯ involved District Land Office 06 ◯ court 07 ◯ other (specify)
Please specify Other E s2bq34==7	TEXT s2bq34_other ....
How likely do you think that there would be disagreement over the user rights to this parcel in the next 5 years with a private party (excluding expropriation by the government)?	SINGLE-SELECT s2bq35 01 ◯ Not at all (0%) 02 ◯ Somewhat likely (25%) 03 ◯ Likely (50%) 04 ◯ Very likely (75%) 05 ◯ Certainly, for sure (100%)
What is the main concern? E s2bq35.InList(2,3,4,5)	SINGLE-SELECT s2bq36 01 ◯ Boundary 02 ◯ Inheritance related 03 ◯ Sales related 04 ◯ Expropriation 05 ◯ Ownership: Other 06 ◯ Rental related 07 ◯ payment of busulu 96 ◯ Other (specify)
Specify the concern E s2bq36==96	TEXT s2bq36_othr ....
How likely is it that you would lose this land if left fallow for several months?	SINGLE-SELECT s2bq37 01 ◯ Not at all (0%) 02 ◯ Somewhat likely (25%) 03 ◯ Likely (50%) 04 ◯ Very likely (75%) 05 ◯ Certainly, for sure (100%)
How many years do you think you could leave this parcel without losing it? I 99=forever E s2bq37!=1	NUMERIC: INTEGER s2bq38 -

How likely is it that you could lose the use of your land if the landlord sold his land?	SINGLE-SELECT	s2bq39

01 ○ Not at all (0%)
02 ○ Somewhat likely (25%)
03 ○ Likely (50%)
04 ○ Very likely (75%)
05 ○ Certainly, for sure (100%)

[AG-2] CURRENT LAND HOLDINGS - OWNED AND ACCESS RIGHTS / LAND HOLDINGS ROSTER PART B

USAGE

What was the primary use of the parcel during the 1st season of 2017 ?

SINGLE-SELECT   s2bq40

01 ○ Own Cultivated (annual crops)
02 ○ Own Cultivated (perennial crops)
03 ○ Rented-out
05 ○ Fallow
06 ○ Pasture
07 ○ Woodlot/Forest
96 ○ Other (specify)

Please specify Other

TEXT   s2bq40_othr

E s2bq40==96

What was the most recent year in which the parcel was left fallow?

NUMERIC: INTEGER   s2bq41

I IF NEVER LEFT FALLOW, RECORD 9999
E s2bq40.InList(1,2,5,6,7,96)
V1 // either between 1970 and current year... self.InRange(
1970,s1bq02.Value.Year) || // ...or have never left fall
ow self==9999
M1 ERROR. Impossible last year to leave fallow. Please enter a valid year when the parcel was last left fallow (1970 - present or 9999 if never left fallow).

How many consecutive years was the parcel left fallow this last time?

NUMERIC: INTEGER   s2bq42a

I IF LESS THAN 1 YEAR WRITE '00'
E s2bq41 !=9999 && s2bq40.InList(1,2,5,6,7,96)

What type of fallow was used this last time?

SINGLE-SELECT   s2bq42b

01 ○ Fallow with cover crop
02 ○ Fallow with residue incorporation
03 ○ Bare fallow

E s2bq41 !=9999 && s2bq40.InList(1,2,5,6,7,96)

What percentage of the parcel did you cultivate/plant in the 1st season 2017?

NUMERIC: DECIMAL   s2bq43

I RECORD PERCENTAGE BETWEEN 0 AND 100
E s2bq40.InList(1,2,5,6,7,96)
V1 self.InRange(0,100)
M1 ERROR. Record a valid percentage.

How much rent did you receive during the 1st season of 2017.

TEXT   s2bq44

I If in kind estimate the value UGX
E s2bq40==3

BUILDINGS

Does the parcel have any permanent or semi-permanent buildings, hut, shed, etc?	SINGLE-SELECT · s2bq45 01 ◯ Yes 02 ◯ No
What is the main use of the building or structure? I RECORD UP TO 2 RESPONSES E s2bq45==1	MULTI-SELECT · s2bq46 01 ☐ Residential 02 ☐ Barn/Stable 03 ☐ Farm Buildings 96 ☐ Other (specify)
Other building structure on the parcel E s2bq46.Contains(96)	TEXT · s2bq46_oth ....

SOIL AND WATER

What soil type is in this parcel?	SINGLE-SELECT · s2bq47 01 ◯ Sand loam 02 ◯ Sandy clay loam 03 ◯ Black clay 04 ◯ Other (Specify)
Oth. Specify the soil type that is in this parcel. E (s2bq47==4)	TEXT · s2bq47_oth ....
What soil/land quality is this parcel?	SINGLE-SELECT · s2bq48 01 ◯ Good 02 ◯ Fair 03 ◯ Poor
What is the main water source to this parcel?	SINGLE-SELECT · s2bq49 01 ◯ Irrigated 02 ◯ Rain-fed 03 ◯ Swamp/wetland
What kind of irrigation related structures or improvements does this parcel have? I RECORD UP TO 2 RESPONSES E // if irrigated s2bq49==1	MULTI-SELECT · s2bq50 01 ☐ Well 02 ☐ Canal 03 ☐ Sprinkler 04 ☐ Drip irrigation 96 ☐ Other (specify)
Other irrigation-related structures or improvements on the parcel E s2bq50.Contains(96)	TEXT · s2bq50_oth ....

In general, what is the topography of this parcel?	SINGLE-SELECT	s2bq51
	01 ⚪ Hilly	
	02 ⚪ Flat	
	03 ⚪ Gentle slope	
	04 ⚪ Steep slope	
	05 ⚪ Valley	
	06 ⚪ Other (specify)	

Please, specify Other E s2bq51==6	TEXT	s2bq51_oth

During the last completed season, were there any problems with erosion in this parcel?	SINGLE-SELECT	s2bq52
	01 ⚪ Yes	
	02 ⚪ No	

What was the cause of these erosion problems? E (s2bq52==1)	SINGLE-SELECT	s2bq53
	01 ⚪ Terrain	
	02 ⚪ Flooding	
	03 ⚪ Wind	
	04 ⚪ Animals	
	05 ⚪ Cultivation	
	06 ⚪ Other (specify)	

Oth. Specify the cause of these erosion problems. E (s2bq53==6)	TEXT	s2bq53_oth

Is there any erosion control/water harvesting facility on this parcel? I SELECT THE TWO MAIN ONES V1 // if more than 1 option selected... self.Length>1 ? // ...then cannot contain "none" !self.Contains(8) : // otherwise, nothing to check true M1 ERROR. Cannot select "none" along with another option. Please correct.	MULTI-SELECT	s2bq54
	01 ☐ Terraces	
	02 ☐ Gabions/sandbags	
	03 ☐ Vetiver grass	
	04 ☐ Tree belts	
	05 ☐ Water harvest bunds	
	06 ☐ Drainage ditches	
	07 ☐ Dam	
	08 ☐ None	
	09 ☐ Stone bunds	
	10 ☐ Earth bunds	

[AG-2] CURRENT LAND HOLDINGS - OWNED AND ACCESS RIGHTS / LAND HOLDINGS ROSTER PART B
MARKET PRICES

if you were to rent this parcel out, how much would you get per season? 1st cropping season	NUMERIC: INTEGER	s2bq58

if you were to rent this parcel out, how much would you get per season? 2nd cropping season I USH	NUMERIC: INTEGER	s2bq59

If you were to sell the user rights to this parcel to the landlord or someone else, how much would you receive?

I USH

NUMERIC: INTEGER

s2bq56

- -

[AG-3A] AGRICULTURAL AND LABOR INPUTS

E // ag filter s19q1==1

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	ag3a_respondent

STATIC TEXT

Ask some questions about the quantity and value of inputs used (both labor and non-labor) on the plots cultivated during the first cropping season of 2017 - (Jan - Jun 2017)

[AG-3A] AGRICULTURAL AND LABOR INPUTS
Roster: PARCELS ROSTER - OWNERSHIP
generated by list question s2aq03

cul_parcels

List cultivated plots on parcel (%rostertitle%)	LIST	s3aq03
	....	

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP
Roster: CULITVATED PLOTS ROSTER
generated by list question s3aq03

cul_plots

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER
PLOT MANAGEMENT

3.1. RECORD RESPONDENT FOR THIS PLOT (%rostertitle%)	SINGLE-SELECT: LINKED	s3aq03_1
3.2. Were the decisions concerning the timing of cropping activities, crop choice and input use on the plot made by a single household member or made jointly by multiple household members during the 1st cropping season of 2017?	SINGLE-SELECT 01 ◯ Single 02 ◯ Multiple	s3aq03_2
3.3. Who was the primary decision maker on the plot %rostertitle% during the 1st cropping season of 2017? E (s3aq03_2==1)	SINGLE-SELECT: LINKED	s3aq03_3
3.4. Who were the decision makers on the plot during the 1st cropping season of 2017? I RECORD UP ALL DECISION MAKERS E (s3aq03_2==2)	MULTI-SELECT: LINKED	s3aq03_4
3a. Was the plot burned in preparation for planting?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	s3aq03a

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER
ORGANIC FERTILIZERS

4. Did you use any organic fertilizer on the parcel/plot?	SINGLE-SELECT	s3aq04
	01 ◯ Yes	
	02 ◯ No	

5. What was the quantity used?	NUMERIC: DECIMAL	s3aq05
KGS	----------------------------------	
E (s3aq04==1)		
V1 self.InRange(10,3000)		
M1 WARNING. The amount of fertilizer used is higher or lower than average. Please check your answers.		

6. Was any of this purchased?	SINGLE-SELECT	s3aq06
E (s3aq04==1)	01 ◯ Yes	
	02 ◯ No	

7. How much was purchased?	NUMERIC: DECIMAL	s3aq07
KGS	----------------------------------	
E (s3aq06==1)		
V1 // quantity puchased <= quantity used s3aq07<=s3aq05		
M1 ERROR. Amount purchased cannot be greater than amount used. Please correct.		

8. What was the value of the purchase?	NUMERIC: INTEGER	s3aq08
UShs	----------------------------------	
E (s3aq06==1)		
V1 (s3aq08/s3aq07<1820) && (s3aq08/s3aq07>25)		
M1 WARNING. The purchase value per kilogram is higher or lower than average. Please check your answer		

9. Where did you buy most of it?	SINGLE-SELECT	s3aq09
E (s3aq06==1)	01 ◯ Government/LC	
	02 ◯ Private trader in local market/village	
	03 ◯ Private trader in district market	
	04 ◯ Fellow farmer	
	05 ◯ Neighbor/Relative	
	06 ◯ Other (specify)	

9_oth. Specify where you bought most of it.	TEXT	s3aq09_oth
E (s3aq09==6)	....	

10. What was the main source of organic fertilizer used on the parcel/plot?	SINGLE-SELECT	s3aq12
E s3aq06==2	01 ◯ Own livestock	
	02 ◯ Own crop residues	
	03 ◯ Other (Specify)	

10_oth. Specify the main source of organic fertilizer used on the parcel/plot.	TEXT	s3aq12_oth
E (s3aq12==3)	....	

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER
INORGANIC / CHEMICAL FERTILIZERS

11. Did you use any inorganic/chemical fertilizer on the parcel/plot?	SINGLE-SELECT s3aq13 01 ◯ Yes 02 ◯ No
12. What type was used? E (s3aq13==1)	SINGLE-SELECT s3aq14 01 ◯ Nitrate 02 ◯ Phosphate 03 ◯ Potash 04 ◯ Mixed
13. What was the quantity used? E (s3aq13==1) V1 self.InRange(1,150) M1 WARNING. Amount used is higher than average. Please check your answer.	NUMERIC: DECIMAL s3aq15 ------------------------------ .
13. What was the quantity used?-UNIT E (s3aq13==1)	SINGLE-SELECT s3aq15unit 01 ◯ KG 02 ◯ Litres 03 ◯ MillLitres
14. Was any of this purchased? E (s3aq13==1)	SINGLE-SELECT s3aq16 01 ◯ Yes 02 ◯ No
15. How much was purchased? E (s3aq16==1) V1 // quantity purchased <= quantity used s3aq17<=s3aq15 M1 ERROR. Amount purchased cannot be greater than amount used. Please correct.	NUMERIC: DECIMAL s3aq17 ------------------------------ .
15. How much was purchased?-UNIT E (s3aq16==1) V1 // quantity purchased <= quantity used s3aq17<=s3aq15 M1 ERROR. Amount purchased cannot be greater than amount used. Please correct.	SINGLE-SELECT s3aq17unit 01 ◯ KG 02 ◯ Litres 03 ◯ MillLitres
16. What was the value of the purchase? UShs E (s3aq16==1) V1 (s3aq18/s3aq17)<231000 M1 WARNING. The purchase value per kilogram is higher than average. Please check your answer.	NUMERIC: INTEGER s3aq18 ------------------------------
17. Where did you buy most of it? E (s3aq16==1)	SINGLE-SELECT s3aq19 01 ◯ Government/LC 02 ◯ Private trader in local market/village 03 ◯ Private trader in district market 04 ◯ Fellow farmer 05 ◯ Neighbor/Relative 06 ◯ Other (specify)
17_oth. Specify where you bought most of it. E (s3aq19==6)	TEXT s3aq19_oth ....

PESTICIDES / HERBICIDES

---

18. Did you use any pesticides on the parcel/plot?

SINGLE-SELECT   s3aq22

01 ◯ Yes
02 ◯ No

---

19. What type was used?

E (s3aq22==1)

SINGLE-SELECT   s3aq23

01 ◯ Insecticides
02 ◯ Miticides/Acaricides
03 ◯ Fungicides
04 ◯ Growth regulators and harvest aids
05 ◯ Rodenticides
06 ◯ Nematicides/Molluscicides
96 ◯ Other (Specify)

19_oth. Specify the type of pesticides used.

E (s3aq23==96)

TEXT   s3aq23_oth

....

20a. What was the UNIT of quantity used?

E (s3aq22==1)

SINGLE-SELECT   s3aq24a

01 ◯ Kg
02 ◯ Lts
03 ◯ mls

20b. What was the QUANTITY used

E (s3aq22==1)
V1 self.InRange(1,30)
M1 WARNING. Amount used is higher than average. Please check your answer.

NUMERIC: DECIMAL   s3aq24b

---

21. Was any of this purchased?

E (s3aq22==1)

SINGLE-SELECT   s3aq25

01 ◯ Yes
02 ◯ No

---

22. What quantity was purchased?

I Use unit of qty from 20a and Should relate to qty reported in 20b
E (s3aq25==1)
V1 // quantity purchased less than or equal to quantity used s3aq26<=s3aq24b
M1 ERROR. Amount purchased cannot be greater than amount used. Please correct.

NUMERIC: DECIMAL   s3aq26

---

23. What was the value of the purchase?

UShs

E (s3aq25==1)
V1 (s3aq27/s3aq26)<84000
M1 WARNING. The purchase value per kg/litre is higher than average. Please check your answer.

NUMERIC: INTEGER   s3aq27

---

24. Where did you buy most of it?

E (s3aq25==1)

SINGLE-SELECT   s3aq28

01 ◯ Government/LC
02 ◯ Private trader in local market/village
03 ◯ Private trader in district market
04 ◯ Fellow farmer
05 ◯ Neighbor/Relative
06 ◯ Other (specify)

24_oth. Specify where you bought most of it.	TEXT	s3aq28_oth

E (s3aq28==6)

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER
LABOUR

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER / LABOUR
LAND PREPARATION AND SOWING

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER / LABOUR / LAND PREPARATION AND SOWING
FAMILY LABOR

STATIC TEXT

Family labour during the 1st season of 2017 for land preparation and sowing

Which members of the household worked on this plot?	MULTI-SELECT: LINKED	lp_family_lbr

I Record ALL person who worked

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER / LABOUR / LAND PREPARATION AND SOWING / FAMILY LABOR
Roster: LABOR
generated by list question h2q2   lp_fam_labour_3b

E // Only ask for members older than 5 years old hhroster[@rowcode].h2q08>4 && lp_family_lbr.Contains(@rowcode)

25. How many days did %rostertitle% work? (in the season)	NUMERIC: DECIMAL	lp_s3aq33

V1 self.InRange(1,180)
M1 ERROR. Number of days is greater than number of days in the season. Please correct.

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER / LABOUR / LAND PREPARATION AND SOWING
HIRED LABOR

STATIC TEXT

Hired labour for all tasks during the 1st season of 2017 for land preparation and sowing

26. Did you hire any labour to work on this plot during the 1st season of 2017?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	lp_s3aq34

STATIC TEXT

For this [plot] %rostertitle%, how many days did you hire in?

26a. Men

Person days

| | | NUMERIC: INTEGER | lp_s3aq35a |

- . .

I PUT '0' IF NONE
E (lp_s3aq34==1)
V1 `self.InRange(0,50)`
M1 WARNING. Number of work days higher than average. Please check your answer.
V2 `self.InRange(0,180)`
M2 ERROR. Number of days recorded is greater than the number of days in the season.

26b. Women

Person days

| | | NUMERIC: INTEGER | lp_s3aq35b |

- . .

I PUT '0' IF NONE
E (lp_s3aq34==1)
V1 `self.InRange(0,40)`
M1 WARNING. Number of work days higher than average. Please check your answer.
V2 `self.InRange(0,180)`
M2 ERROR. Number of days recorded is greater than the number of days in the season.

26c. Children

Person days

| | | NUMERIC: INTEGER | lp_s3aq35c |

- . .

I PUT '0' IF NONE
E (lp_s3aq34==1)
V1 `self.InRange(0,10)`
M1 WARNING. Number of work days higher than average. Please check your answer.
V2 `self.InRange(0,180)`
M2 ERROR. Number of days recorded is greater than the number of days in the season.

28. How much did you pay including the value of in-kind payments for these days of labor?

| | | NUMERIC: INTEGER | lp_s3aq36 |

- . .

I UShs
E (lp_s3aq34==1)
V1 `// when all inputs are non-missing (IsAnswered(lp_s3aq36`
   `) && IsAnswered(lp_s3aq35a) && IsAnswered(lp_s3aq35b) &&`
   `IsAnswered(lp_s3aq35c)) ? // value must be between upper`
   `and lower bound ( (lp_s3aq36` And 179 other symbols [4]
M1 Payments per person day is higher or lower than average. Please check your answer.

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER / LABOUR
INPUT APPLICATION

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER / LABOUR / INPUT APPLICATION
FAMILY LABOR

STATIC TEXT

Family labour for all tasks during the 1st season of 2017 for input application

Which members of the household worked on this plot?

| | | MULTI-SELECT: LINKED | inapp_family_lbr |

I Record ALL person who worked

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER / LABOUR / INPUT APPLICATION /

Roster: LABOR
generated by list question h2q2

E // Only ask for members older than 5 years old hhroster[@rowcode].h2q08>4 && inapp_family_lbr.Contains(@rowcode)

25. How many days did %rostertitle% work? (in the season)	NUMERIC: DECIMAL	inapp_s3aq33

V1 self.InRange(0,180)
M1 ERROR. Number of days is greater than number of days in the season. Please correct.

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER / LABOUR / INPUT APPLICATION

HIRED LABOR

STATIC TEXT

Hired labour for all tasks during the 1st season of 2017 for input application

26. Did you hire any labour to work on this plot during the 1st season of 2017?	SINGLE-SELECT	inapp_s3aq34
	01 ◯ Yes	
	02 ◯ No	

STATIC TEXT

For this [Plot] called %rostertitle%, how many days did you hire in:

26a. Men Person days?	NUMERIC: INTEGER	inapp_s3aq35a

I PUT '0' IF NONE
E (inapp_s3aq34==1)
V1 self.InRange(0,50)
M1 WARNING. Number of work days higher than average. Please check your answer.
V2 self.InRange(0,180)
M2 ERROR. Number of days recorded is greater than the number of days in the season.

26b. Women Person days?	NUMERIC: INTEGER	inapp_s3aq35b

I PUT '0' IF NONE
E (inapp_s3aq34==1)
V1 self.InRange(0,40)
M1 WARNING. Number of work days higher than average. Please check your answer.
V2 self.InRange(0,180)
M2 ERROR. Number of days recorded is greater than the number of days in the season.

26c. Children Person days?	NUMERIC: INTEGER	inapp_s3aq35c

I PUT '0' IF NONE
E (inapp_s3aq34==1)
V1 self.InRange(0,10)
M1 WARNING. Number of work days higher than average. Please check your answer.
V2 self.InRange(0,180)
M2 ERROR. Number of days recorded is greater than the number of days in the season.

28. How much did you pay including the value of in-kind payments for these days of labor?

NUMERIC: INTEGER   `inapp_s3aq36`

I   UShs
E   `(inapp_s3aq34==1)`
V1   `// when all inputs are non-missing (IsAnswered(inapp_s3aq36) && IsAnswered(inapp_s3aq35a) && IsAnswered(inapp_s3aq35b) && IsAnswered(inapp_s3aq35c)) ? // value must be between upper and lower bound` [And 215 other symbols [5]](#)
M1   Payments per person day is higher or lower than average. Please check your answer.

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER / LABOUR
WEEDING AND PRUNING

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER / LABOUR / WEEDING AND PRUNING
FAMILY LABOR

STATIC TEXT

Family labour for all tasks during the 1st season of 2017 for weeding and pruning

Which members of the household worked on this plot?

MULTI-SELECT: LINKED   `wp_family_lbr`

I   Record ALL person who worked

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER / LABOUR / WEEDING AND PRUNING / FAMILY LABOR
Roster: LABOR
generated by list question [h2q2](#)

`wp_fam_labour_3b`

E   `// Only ask for members older than 5 years old hhroster[@rowcode].h2q08>4 && wp_family_lbr.Contains(@rowcode)`

---

25. How many days did %rostertitle% work?

(in the season)

NUMERIC: DECIMAL   `wp_s3aq33`

V1   `self.InRange(0,180)`
M1   ERROR. Number of days is greater than number of days in the season. Please correct.

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER / LABOUR / WEEDING AND PRUNING
HIRED LABOR

STATIC TEXT

Hired labour for all tasks during the 1st season of 2017 for weeding and pruning

26. Did you hire any labour to work on this plot during the 1st season of 2017?

SINGLE-SELECT   `wp_s3aq34`

01 ◯ Yes
02 ◯ No

STATIC TEXT

For this [plot] %rostertitle%, how many days did you hire in?

26a. Men	NUMERIC: INTEGER	wp_s3aq35a
Person days	- .	

I PUT '0' IF NONE
E `(wp_s3aq34==1)`
V1 `self.InRange(0,50)`
M1 WARNING. Number of work days higher than average. Please check your answer.
V2 `self.InRange(0,180)`
M2 ERROR. Number of days recorded is greater than the number of days in the season.

26b. Women	NUMERIC: INTEGER	wp_s3aq35b
Person days	- .	

I PUT '0' IF NONE
E `(wp_s3aq34==1)`
V1 `self.InRange(0,40)`
M1 WARNING. Number of work days higher than average. Please check your answer.
V2 `self.InRange(0,180)`
M2 ERROR. Number of days recorded is greater than the number of days in the season.

26c. Children	NUMERIC: INTEGER	wp_s3aq35c
Person days	- .	

I PUT '0' IF NONE
E `(wp_s3aq34==1)`
V1 `self.InRange(0,10)`
M1 WARNING. Number of work days higher than average. Please check your answer.
V2 `self.InRange(0,180)`
M2 ERROR. Number of days recorded is greater than the number of days in the season.

28. How much did you pay including the value of in-kind payments for these days of labor?	NUMERIC: INTEGER	wp_s3aq36
	- .	

I UShs
E `(wp_s3aq34==1)`
V1 `// when all inputs are non-missing (IsAnswered(wp_s3aq36`
`) && IsAnswered(wp_s3aq35a) && IsAnswered(wp_s3aq35b) &&`
`IsAnswered(wp_s3aq35c)) ? // value must be between upper`
`and lower bound ( (wp_s3aq36` And 179 other symbols [6]
M1 Payments per person day is higher or lower than average. Please check your answer.

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER / LABOUR
HARVESTING

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER / LABOUR / HARVESTING
FAMILY LABOR

STATIC TEXT

Family labour for all tasks during the 1st season of 2017 for harvesting – if the harvest of the crop has not started or is on-going, please include the estimated time that each person will spend on harvesting

Which members of the household worked/will work on this plot?	MULTI-SELECT: LINKED	hv_family_lbr

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER / LABOUR / HARVESTING / FAMILY

Roster: LABOR
generated by list question h2q2

E `// Only ask for members older than 5 years old hhroster[@rowcode].h2q08>4 && hv_family_lbr.Contains(@rowcode)`

25. How many days did/will %rostertitle% work? (in the season)	NUMERIC: DECIMAL hv_s3aq33 - .

V1 `self.InRange(0,180)`

M1 ERROR. Number of days is greater than number of days in the season. Please correct.

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - OWNERSHIP / CULITVATED PLOTS ROSTER / LABOUR / HARVESTING

HIRED LABOR

STATIC TEXT

Hired labour for all tasks during the 1st season of 2017 for harvesting – if the harvest of the crop has not started or is on-going, please include the estimated hired labour that will be used for harvesting (and the amount)

26. Did you hire/ will you hire any labour to work on this plot during the 1st season of 2017?	SINGLE-SELECT hv_s3aq34 01 ◯ Yes 02 ◯ No

STATIC TEXT

For this [plot] how many days did you /will you hire in?

26a. Men **Person days**	NUMERIC: INTEGER hv_s3aq35a - .

I PUT '0' IF NONE

E `(hv_s3aq34==1)`

V1 `self.InRange(0,50)`

M1 WARNING. Number of work days higher than average. Please check your answer.

V2 `self.InRange(0,180)`

M2 ERROR. Number of days recorded is greater than the number of days in the season.

26b. Women **Person days**	NUMERIC: INTEGER hv_s3aq35b - .

I PUT '0' IF NONE

E `(hv_s3aq34==1)`

V1 `self.InRange(0,40)`

M1 WARNING. Number of work days higher than average. Please check your answer.

V2 `self.InRange(0,180)`

M2 ERROR. Number of days recorded is greater than the number of days in the season.

26c. Children **Person days**	NUMERIC: INTEGER hv_s3aq35c - .

I PUT '0' IF NONE

E `(hv_s3aq34==1)`

V1 `self.InRange(0,10)`

M1 WARNING. Number of work days higher than average. Please check your answer.

V2 `self.InRange(0,180)`

M2 ERROR. Number of days recorded is greater than the number of days in the season.

28. How much did you/will you pay including the value of in-kind payments for these days of labor?	NUMERIC: INTEGER	hv_s3aq36

I UShs
E (hv_s3aq34==1)
V1 // when all inputs are non-missing (IsAnswered(hv_s3aq36) && IsAnswered(hv_s3aq35a) && IsAnswered(hv_s3aq35b) && IsAnswered(hv_s3aq35c)) ? // value must be between upper and lower bound ((hv_s3aq36 And 179 other symbols [7]
M1 Payments per person day is higher or lower than average. Please check your answer.

[AG-3A] AGRICULTURAL AND LABOR INPUTS
Roster: PARCELS ROSTER - USE RIGHTS
generated by list question s2bq03   cul_parcels_a

List cultivated plots on parcel (%rostertitle%)	LIST	s3aq03_a

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - USE RIGHTS
Roster: CULITVATED PLOTS ROSTER
generated by list question s3aq03_a   cul_plots_a

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - USE RIGHTS / CULITVATED PLOTS ROSTER
PLOT MANAGEMENT

3.1.RECORD RESPONDENT FOR THIS PLOT (%rostertitle%)	SINGLE-SELECT: LINKED	s3aq03_1_a
3.2. Were the decisions concerning the timing of cropping activities, crop choice and input use on the plot made by a single household member or made jointly by multiple household members during the 1st cropping season of 2017?	SINGLE-SELECT 01 ○ Single 02 ○ Multiple	s3aq03_2_a
3.3. Who was the primary decision maker on the plot %rostertitle% during the 1st cropping season of 2017? E (s3aq03_2_a==1)	SINGLE-SELECT: LINKED	s3aq03_3_a
3.4. Who were the decision makers on the plot during the 1st cropping season of 2017? I RECORD UP ALL DECISION MAKERS E (s3aq03_2_a==2)	MULTI-SELECT: LINKED	s3aq03_4_a
3a. Was the plot burned in preparation for planting?	SINGLE-SELECT 01 ○ Yes 02 ○ No	s3aq03a_a

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - USE RIGHTS / CULITVATED PLOTS ROSTER
ORGANIC FERTILIZERS

4. Did you use any organic fertilizer on the parcel/plot?	SINGLE-SELECT 01 ○ Yes 02 ○ No	s3aq04_a

5. What was the quantity used?

KGS

- E `(s3aq04_a==1)`
- V1 `self.InRange(20,3000)`
- M1 WARNING. The amount of fertilizer used is higher or lower than average. Please check your answers.

NUMERIC: INTEGER   s3aq05_a

----

6. Was any of this purchased?

- E `(s3aq04_a==1)`

SINGLE-SELECT   s3aq06_a

- 01 ◯ Yes
- 02 ◯ No

7. How much was purchased?

KGS

- E `(s3aq06_a==1)`
- V1 `// quantity puchased <= quantity used s3aq07_a<=s3aq05_a`
- M1 ERROR. Amount purchased cannot be greater than amount used. Please correct.

NUMERIC: INTEGER   s3aq07_a

----

8. What was the value of the purchase?

UShs

- E `(s3aq06_a==1)`
- V1 `(s3aq08_a/s3aq07_a<1820) && (s3aq08_a/s3aq07_a>25)`
- M1 WARNING. The purchase value per kilogram is higher or lower than average. Please check your answer

NUMERIC: INTEGER   s3aq08_a

----

9. Where did you buy most of it?

- E `(s3aq06_a==1)`

SINGLE-SELECT   s3aq09_a

- 01 ◯ Government/LC
- 02 ◯ Private trader in local market/village
- 03 ◯ Private trader in district market
- 04 ◯ Fellow farmer
- 05 ◯ Neighbor/Relative
- 06 ◯ Other (specify)

9_oth. Specify where you bought most of it.

- E `(s3aq09_a==6)`

TEXT   s3aq09_oth_a

10. What was the main source of organic fertilizer used on the parcel/plot?

- E `s3aq06_a==2`

SINGLE-SELECT   s3aq12_a

- 01 ◯ Own livestock
- 02 ◯ Own crop residues
- 03 ◯ Other (Specify)

10_oth. Specify the main source of organic fertilizer used on the parcel/plot.

- E `(s3aq12_a==3)`

TEXT   s3aq12_oth_a

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - USE RIGHTS / CULITVATED PLOTS ROSTER
INORGANIC / CHEMICAL FERTILIZERS

11. Did you use any inorganic/chemical fertilizer on the parcel/plot?

SINGLE-SELECT   s3aq13_a

- 01 ◯ Yes
- 02 ◯ No

12. What type was used?	SINGLE-SELECT	s3aq14_a
E (s3aq13_a==1)	01 ◯ Nitrate 02 ◯ Phosphate 03 ◯ Potash 04 ◯ Mixed	

13. What was the quantity used?	NUMERIC: INTEGER	s3aq15_a
E (s3aq13_a==1)	- .	

13. What was the quantity used? -UNIT	SINGLE-SELECT	s3aq15_aunit
E (s3aq13_a==1)	01 ◯ KG 02 ◯ Litres 03 ◯ MillLitres	

14. Was any of this purchased?	SINGLE-SELECT	s3aq16_a
E (s3aq13_a==1)	01 ◯ Yes 02 ◯ No	

15. How much was purchased?	NUMERIC: DECIMAL	s3aq17_a
E (s3aq16_a==1) V1 // quantity purchased <= quantity used s3aq17_a<=s3aq15_a M1 ERROR. Amount purchased cannot be greater than amount used. Please correct.	- .	

15. How much was purchased?-UNITS	SINGLE-SELECT	s3aq17_aUnits
E (s3aq16_a==1) V1 // quantity purchased <= quantity used s3aq17_a<=s3aq15_a M1 ERROR. Amount purchased cannot be greater than amount used. Please correct.	01 ◯ KG 02 ◯ Litres 03 ◯ MillLitres	

16. What was the value of the purchase? UShs	NUMERIC: INTEGER	s3aq18_a
E (s3aq16_a==1) V1 (s3aq18_a/s3aq17_a)<231000 M1 WARNING. The purchase value per kilogram is higher than average. Please check your answer.	- .	

17. Where did you buy most of it?	SINGLE-SELECT	s3aq19_a
E (s3aq16_a==1)	01 ◯ Government/LC 02 ◯ Private trader in local market/village 03 ◯ Private trader in district market 04 ◯ Fellow farmer 05 ◯ Neighbor/Relative 06 ◯ Other (specify)	

17_oth. Specify where you bought most of it.	TEXT	s3aq19_oth_a
E (s3aq19_a==6)	....	

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - USE RIGHTS / CULITVATED PLOTS ROSTER
PESTICIDES / HERBICIDES

18. Did you use any pesticides on the parcel/plot?	SINGLE-SELECT	s3aq22_a
	01 ◯ Yes	
	02 ◯ No	

19. What type was used?	SINGLE-SELECT	s3aq23_a
E (s3aq22_a==1)	01 ◯ Insecticides	
	02 ◯ Miticides/Acaricides	
	03 ◯ Fungicides	
	04 ◯ Growth regulators and harvest aids	
	05 ◯ Rodenticides	
	06 ◯ Nematicides/Molluscicides	
	96 ◯ Other (Specify)	

| 19_oth. Specify the type of pesticides used. | TEXT | s3aq23_oth_a |
| E (s3aq23_a==96) | | |

20a. What was the UNIT of quantity used?	SINGLE-SELECT	s3aq24a_a
E (s3aq22_a==1)	01 ◯ Kg	
	02 ◯ Lts	
	03 ◯ mls	

| 20b. What was the QUANTITY used | NUMERIC: DECIMAL | s3aq24b_a |
| E (s3aq22_a==1) | | |

21. Was any of this purchased?	SINGLE-SELECT	s3aq25_a
E (s3aq22_a==1)	01 ◯ Yes	
	02 ◯ No	

22. What quantity was purchased?	NUMERIC: DECIMAL	s3aq26_a
I Use unit of qty from 20a and Should relate to qty reported in 20b		
E (s3aq25_a==1)		
V1 // quantity purchased less than or equal to quantity used s3aq26_a<=s3aq24b_a		
M1 ERROR. Amount purchased cannot be greater than amount used. Please correct.		

23. What was the value of the purchase?	NUMERIC: INTEGER	s3aq27_a
UShs		
E (s3aq25_a==1)		
V1 (s3aq27_a/s3aq26_a)<84000		
M1 WARNING. The purchase value per kg/litre is higher than average. Please check your answer.		

24. Where did you buy most of it?	SINGLE-SELECT	s3aq28_a
E (s3aq25_a==1)	01 ◯ Government/LC	
	02 ◯ Private trader in local market/village	
	03 ◯ Private trader in district market	
	04 ◯ Fellow farmer	
	05 ◯ Neighbor/Relative	
	06 ◯ Other (specify)	

| 24_oth. Specify where you bought most of it. | TEXT | s3aq28_oth_a |
| E (s3aq28_a==6) | | |

LABOUR

LAND PREPARATION AND SOWING

FAMILY LABOR

STATIC TEXT

Family labour during the 1st season of 2017 for land preparation and sowing

Which members of the household worked on this plot?	MULTI-SELECT: LINKED	lp_family_lbr_a
I Record ALL person who worked		

Roster: LABOR

generated by list question h2q2   lp_fam_labour_3b_a

E // Only ask for members older than 5 years old hhroster[@rowcode].h2q08>4 && lp_family_lbr_a.Contains(@rowcode)

25. How many days did %rostertitle% work?	NUMERIC: DECIMAL	lp_s3aq33_a
(in the season)	-------------------------------.	

V1 self.InRange(0,180)
M1 ERROR. Number of days is greater than number of days in the season. Please correct.

HIRED LABOR

STATIC TEXT

Hired labour for all tasks during the 1st season of 2017 for land preparation and sowing

26. Did you hire any labour to work on this plot during the 1st season of 2017?	SINGLE-SELECT	lp_s3aq34_a
	01 ◯ Yes	
	02 ◯ No	

STATIC TEXT

For this [plot] %rostertitle%, how many days did you hire in?

26a. Men	NUMERIC: INTEGER	lp_s3aq35a_a
Person days	-------------------------------.	

I PUT '0' IF NONE
E (lp_s3aq34_a==1)
V1 self.InRange(0,50)
M1 WARNING. Number of work days higher than average. Please check your answer.
V2 self.InRange(0,180)
M2 ERROR. Number of days recorded is greater than the number of days in the season.

26b. Women

Person days

NUMERIC: INTEGER   lp_s3aq35b_a

- I   PUT '0' IF NONE
- E   (lp_s3aq34_a==1)
- V1   self.InRange(0,40)
- M1   WARNING. Number of work days higher than average. Please check your answer.
- V2   self.InRange(0,180)
- M2   ERROR. Number of days recorded is greater than the number of days in the season.

26c. Children

Person days

NUMERIC: INTEGER   lp_s3aq35c_a

- I   PUT '0' IF NONE
- E   (lp_s3aq34_a==1)
- V1   self.InRange(0,10)
- M1   WARNING. Number of work days higher than average. Please check your answer.
- V2   self.InRange(0,180)
- M2   ERROR. Number of days recorded is greater than the number of days in the season.

28. How much did you pay including the value of in-kind payments for these days of labor?

NUMERIC: INTEGER   lp_s3aq36_a

- I   UShs
- E   (lp_s3aq34_a==1)
- V1   // when all inputs are non-missing (IsAnswered(lp_s3aq36_a) && IsAnswered(lp_s3aq35a_a) && IsAnswered(lp_s3aq35b_a) && IsAnswered(lp_s3aq35c_a)) ? // value must be between upper and lower bound ((l And 203 other symbols [8]
- M1   Payments per person day is higher or lower than average. Please check your answer.

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - USE RIGHTS / CULITVATED PLOTS ROSTER / LABOUR
INPUT APPLICATION

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - USE RIGHTS / CULITVATED PLOTS ROSTER / LABOUR / INPUT APPLICATION
FAMILY LABOR

STATIC TEXT

Family labour for all tasks during the 1st season of 2017 for input application

Which members of the household worked on this plot?

MULTI-SELECT: LINKED   inapp_family_lbr_a

- I   Record ALL person who worked

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - USE RIGHTS / CULITVATED PLOTS ROSTER / LABOUR / INPUT APPLICATION / FAMILY LABOR
Roster: LABOR
generated by list question h2q2   inapp_fam_labour_3b_a

- E   // Only ask for members older than 5 years old hhroster[@rowcode].h2q08>4 && inapp_family_lbr_a.Contains(@rowcode)

25. How many days did %rostertitle% work?

(in the season)

NUMERIC: DECIMAL   inapp_s3aq33_a

- V1   self.InRange(0,180)
- M1   ERROR. Number of days is greater than number of days in the season. Please correct.

HIRED LABOR

STATIC TEXT

Hired labour for all tasks during the 1st season of 2017 for input application

26. Did you hire any labour to work on this plot during the 1st season of 2017?	SINGLE-SELECT inapp_s3aq34_a 01 ◯ Yes 02 ◯ No

STATIC TEXT

For this [Plot] called %rostertitle%, how many days did you hire in:

26a. Men **Person days?** I PUT '0' IF NONE E (inapp_s3aq34_a==1) V1 self.InRange(0,50) M1 WARNING. Number of work days higher than average. Please check your answer. V2 self.InRange(0,180) M2 ERROR. Number of days recorded is greater than the number of days in the season.	NUMERIC: INTEGER inapp_s3aq35a_a — — — — — — — — — — — — — — — — .
26b. Women **Person days?** I PUT '0' IF NONE E (inapp_s3aq34_a==1) V1 self.InRange(0,40) M1 WARNING. Number of work days higher than average. Please check your answer. V2 self.InRange(0,180) M2 ERROR. Number of days recorded is greater than the number of days in the season.	NUMERIC: INTEGER inapp_s3aq35b_a — — — — — — — — — — — — — — — — .
26c. Children **Person days?** I PUT '0' IF NONE E (inapp_s3aq34_a==1) V1 self.InRange(0,10) M1 WARNING. Number of work days higher than average. Please check your answer. V2 self.InRange(0,180) M2 ERROR. Number of days recorded is greater than the number of days in the season.	NUMERIC: INTEGER inapp_s3aq35c_a — — — — — — — — — — — — — — — — .
28. How much did you pay including the value of in-kind payments for these days of labor? I UShs E (inapp_s3aq34_a==1) V1 // when all inputs are non-missing (IsAnswered(inapp_s3aq36_a) && IsAnswered(inapp_s3aq35a_a) && IsAnswered(inapp_s3aq35b_a) && IsAnswered(inapp_s3aq35c_a)) ? // value must be between upper and lowe And 239 other symbols [9] M1 Payments per person day is higher or lower than average. Please check your answer.	NUMERIC: INTEGER inapp_s3aq36_a — — — — — — — — — — — — — — — — .

WEEDING AND PRUNING

FAMILY LABOR

STATIC TEXT

Family labour for all tasks during the 1st season of 2017 for weeding and pruning

Which members of the household worked on this plot?	MULTI-SELECT: LINKED	wp_family_lbr_a
I Record ALL person who worked		

Roster: LABOR
generated by list question h2q2

wp_fam_labour_3b_a

E `// Only ask for members older than 5 years old hhroster[@rowcode].h2q08>4 && wp_family_lbr_a.Contains(@rowcode)`

25. **How many days did %rostertitle% work?** **(in the season)**	NUMERIC: DECIMAL	wp_s3aq33_a
V1 `self.InRange(0,180)` M1 ERROR. Number of days is greater than number of days in the season. Please correct.		

HIRED LABOR

STATIC TEXT

Hired labour for all tasks during the 1st season of 2017 for weeding and pruning

26. **Did you hire any labour to work on this plot during the 1st season of 2017?**	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	wp_s3aq34_a

STATIC TEXT

For this [plot] %rostertitle%, how many days did you hire in?

26a. **Men** **Person days**	NUMERIC: INTEGER	wp_s3aq35a_a
I PUT '0' IF NONE E `(wp_s3aq34_a==1)` V1 `self.InRange(0,50)` M1 WARNING. Number of work days higher than average. Please check your answer. V2 `self.InRange(0,180)` M2 ERROR. Number of days recorded is greater than the number of days in the season.		

26b. Women

Person days

NUMERIC: INTEGER   wp_s3aq35b_a

--.

- I PUT '0' IF NONE
- E `(wp_s3aq34_a==1)`
- V1 `self.InRange(0,40)`
- M1 WARNING. Number of work days higher than average. Please check your answer.
- V2 `self.InRange(0,180)`
- M2 ERROR. Number of days recorded is greater than the number of days in the season.

26c. Children

Person days

NUMERIC: INTEGER   wp_s3aq35c_a

--.

- I PUT '0' IF NONE
- E `(wp_s3aq34_a==1)`
- V1 `self.InRange(0,10)`
- M1 WARNING. Number of work days higher than average. Please check your answer.
- V2 `self.InRange(0,180)`
- M2 ERROR. Number of days recorded is greater than the number of days in the season.

28. How much did you pay including the value of in-kind payments for these days of labor?

NUMERIC: INTEGER   wp_s3aq36_a

--.

- I UShs
- E `(wp_s3aq34_a==1)`
- V1 `// when all inputs are non-missing (IsAnswered(wp_s3aq36_a) && IsAnswered(wp_s3aq35a_a) && IsAnswered(wp_s3aq35b_a) && IsAnswered(wp_s3aq35c_a)) ? // value must be between upper and lower bound ( (w` [And 203 other symbols [10]](#)
- M1 Payments per person day is higher or lower than average. Please check your answer.

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - USE RIGHTS / CULITVATED PLOTS ROSTER / LABOUR
HARVESTING

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - USE RIGHTS / CULITVATED PLOTS ROSTER / LABOUR / HARVESTING
FAMILY LABOR

STATIC TEXT

Family labour for all tasks during the 1st season of 2017 for harvesting – if the harvest of the crop has not started or is on-going, please include the estimated time that each person will spend on harvesting

Which members of the household worked/will work on this plot?

MULTI-SELECT: LINKED   hv_family_lbr_a

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - USE RIGHTS / CULITVATED PLOTS ROSTER / LABOUR / HARVESTING / FAMILY LABOR
Roster: LABOR
generated by list question h2q2   hv_fam_labour_3b_a

- E `// Only ask for members older than 5 years old hhroster[@rowcode].h2q08>4 && hv_family_lbr_a.Contains(@rowcode)`

25. How many days did/will %rostertitle% work?

(in the season)

NUMERIC: DECIMAL   hv_s3aq33_a

- .

V1 `self.InRange(0,180)`
M1 ERROR. Number of days is greater than number of days in the season. Please correct.

[AG-3A] AGRICULTURAL AND LABOR INPUTS / PARCELS ROSTER - USE RIGHTS / CULITVATED PLOTS ROSTER / LABOUR / HARVESTING

HIRED LABOR

STATIC TEXT

Hired labour for all tasks during the 1st season of 2017 for harvesting – if the harvest of the crop has not started or is on-going, please include the estimated hired labour that will be used for harvesting (and the amount)

26. Did you hire/ will you hire any labour to work on this plot during the 1st season of 2017?

SINGLE-SELECT   hv_s3aq34_a

01 ◯ Yes
02 ◯ No

STATIC TEXT

For this [plot] how many days did you /will you hire in?

26a. Men

Person days

NUMERIC: INTEGER   hv_s3aq35a_a

- .

I PUT '0' IF NONE
E `(hv_s3aq34_a==1)`
V1 `self.InRange(0,50)`
M1 WARNING. Number of work days higher than average. Please check your answer.
V2 `self.InRange(0,180)`
M2 ERROR. Number of days recorded is greater than the number of days in the season.

26b. Women

Person days

NUMERIC: INTEGER   hv_s3aq35b_a

- .

I PUT '0' IF NONE
E `(hv_s3aq34_a==1)`
V1 `self.InRange(0,40)`
M1 WARNING. Number of work days higher than average. Please check your answer.
V2 `self.InRange(0,180)`
M2 ERROR. Number of days recorded is greater than the number of days in the season.

26c. Children

Person days

NUMERIC: INTEGER   hv_s3aq35c_a

- .

I PUT '0' IF NONE
E `(hv_s3aq34_a==1)`
V1 `self.InRange(0,10)`
M1 WARNING. Number of work days higher than average. Please check your answer.
V2 `self.InRange(0,180)`
M2 ERROR. Number of days recorded is greater than the number of days in the season.

28. How much did you/will you pay including the value of in-kind payments for these days of labor?

I   UShs

E   (hv_s3aq34_a==1)

V1 // when all inputs are non-missing (IsAnswered(hv_s3aq36_a) && IsAnswered(hv_s3aq35a_a) && IsAnswered(hv_s3aq35b_a) && IsAnswered(hv_s3aq35c_a)) ? // value must be between upper and lower bound ((h And 203 other symbols [11]

M1 Payments per person day is higher or lower than average. Please check your answer.

[AG-4A] CROPS GROWN AND TYPES OF SEEDS USED

E // ag filter s19q1==1

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	ag4a_respondent

1. Did you grow any crops in 1st cropping season of 2017?	SINGLE-SELECT 01 ⭕ Yes 02 ⭕ No	s4aq01

STATIC TEXT

Ask about all crops, including perennial crops (e.g. fruits) and fallow land for the parcels which were farmed by the household during the LAST CROPPING SEASON (Jan. – June 2017).

[AG-4A] CROPS GROWN AND TYPES OF SEEDS USED
Roster: PARCELS
generated by list question s2aq03

parcels

E s4aq01==1

VARIABLE plots.Sum(x => x.s4aq07 ?? 0)	DOUBLE	total_acre

[AG-4A] CROPS GROWN AND TYPES OF SEEDS USED / PARCELS
Roster: PLOTS
generated by list question s3aq03

plots

6. SELECT CROP CODE	MULTI-SELECT 111 ☐ Wheat 112 ☐ Barley 120 ☐ Rice 130 ☐ Maize 141 ☐ Finger millet 150 ☐ Sorghum 210 ☐ Beans 221 ☐ Field peas 222 ☐ Cow peas 223 ☐ Pigeon peas 224 ☐ Chick peas 310 ☐ Groundnuts 320 ☐ Soya beans 330 ☐ Sunflower 340 ☐ Simsim 410 ☐ Cabbage And 35 other symbols [24]	s4aq06

7.What was the total area of %rostertitle% planted?	NUMERIC: DECIMAL s4aq07
E (s4aq01==1)	------------------------------------.
V1 s4aq07<=3	
M1 WARNING. Area of plot planted is higher than average. Please confirm your answer.	
V2 IsAnswered(self) ? total_acre <= (s2aq05) : true	
M2 The total area planted on this parcel is greater than the total parcel area. Please correct.	
V3 // area planted on current plot self <= s2aq05	
M3 ERROR. Area planted on this plot cannot be greater than the total parcel size. Please correct.	

[AG-4A] CROPS GROWN AND TYPES OF SEEDS USED / PARCELS / PLOTS
Roster: CROP CODE
generated by multi-select question s4aq06

crop_code

6.1. RECORD RESPONDENT FOR THIS CROP	SINGLE-SELECT: LINKED s4aq06_1

8. What type of crop stand was on the plot %rostertitle%?	SINGLE-SELECT s4aq08
	01 ○ Pure Stand
E (s4aq01==1)	02 ○ Mixed Stand
V1 // if pure stand, then should only have one crop only self==1 ? s4aq06.Length==1 : // if mixed stand, then should have more than one crop self==2 ? s4aq06.Length>1 : true	
M1 ERROR. Answer inconsistent with the number of crops recorded on this plot. Correct your answer to this question or to question 6.	

9. Approximately what percentage of the plot area was under this %rostertitle%?	NUMERIC: INTEGER s4aq09
E (s4aq08==2)	------------------------------------.
V1 self.InRange(1,99)	
M1 The percentage of the plot area must be between 1 and 99. Please correct.	

VARIABLE	DOUBLE percentCovered
// if crop stand, 100 % coverage s4aq08==1 ? (double) 100 : // if mixed crop, then whatever % is recorded (double) s4aq09	

9.1. What month was the crop planted?	SINGLE-SELECT s4aq09_1
	01 ○ January
	02 ○ February
	03 ○ March
	04 ○ April
	05 ○ May
	06 ○ June
	07 ○ July
	08 ○ August
	09 ○ September
	10 ○ October
	11 ○ November
	12 ○ December

9.2. What year was the crop planted? (YYYY)	NUMERIC: INTEGER s4aq09_2
	------------------------------------.
I Enter 9998 if response is "Don't Know"	
V1 self.InRange(1950,2017) || self.InList(9998)	
M1 The year the crop was planted seems incorrect. Please double check.	

10. Did you use any seed/seedlings?	SINGLE-SELECT s4aq10
	01 ◯ Yes
	02 ◯ No

11a. How much seed did you use for this %rostertitle% Qty E (s4aq10==1)	NUMERIC: DECIMAL s4aq11a -

11a. How much seed did you use for this %rostertitle% UNIT F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@ro And 974 other symbols [1] E (s4aq10==1)	SINGLE-SELECT s4aq11b
	001 ◯ Kilogram (KG)
	009 ◯ Sack (120 kgs)
	010 ◯ Sack (100 kgs)
	012 ◯ Sack (50 kgs)
	014 ◯ Jerrican (20 lts)
	015 ◯ Jerrican(10 lts)
	016 ◯ Jerrican (5 lts)
	017 ◯ Jerrican (3 lts)
	018 ◯ Jerrican (2 lts)
	020 ◯ Tin (20 lts)
	021 ◯ Tin (5 lts)
	022 ◯ Plastic Basin (15 lts)
	029 ◯ Kimbo/Cowboy/Blueband Tin (2 kg)
	030 ◯ Kimbo/Cowboy/Blueband Tin (1 kg)
	031 ◯ Kimbo/Cowboy/Blueband Tin (0.5 kg)
	032 ◯ Cup/Mug(0.5 lt)
	And 26 other symbols [26]

Please specify Other E s4aq11b==96	TEXT s4aq11b_othr ....

12a. How much seed would you have used for this %rostertitle% if you had planted it pure stand on this [PLOT]? Qty E (s4aq10==1) && (s4aq08==2)	NUMERIC: DECIMAL s4aq12a -

12a. How much seed would you have used for this %rostertitle% if you had planted it pure stand on this [PLOT]? UNIT F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@ro And 974 other symbols [2] E (s4aq10==1) && (s4aq08==2)	SINGLE-SELECT s4aq12b 001 ◯ Kilogram (KG) 009 ◯ Sack (120 kgs) 010 ◯ Sack (100 kgs) 012 ◯ Sack (50 kgs) 014 ◯ Jerrican (20 lts) 015 ◯ Jerrican(10 lts) 016 ◯ Jerrican (5 lts) 017 ◯ Jerrican (3 lts) 018 ◯ Jerrican (2 lts) 020 ◯ Tin (20 lts) 021 ◯ Tin (5 lts) 022 ◯ Plastic Basin (15 lts) 029 ◯ Kimbo/Cowboy/Blueband Tin (2 kg) 030 ◯ Kimbo/Cowboy/Blueband Tin (1 kg) 031 ◯ Kimbo/Cowboy/Blueband Tin (0.5 kg) 032 ◯ Cup/Mug(0.5 lt) And 26 other symbols [27]
12b. Please specify the other type of unit E s4aq12b==96	TEXT s4aq11b_oth ∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙
13. What type of seed/seedlings did you use for this crop(%rostertitle%)? E (s4aq10==1)	SINGLE-SELECT s4aq13 01 ◯ Traditional 02 ◯ Improved
14. What type of improved seed did you use for this %rostertitle%? E // improved seeds s4aq13==2	SINGLE-SELECT s4aq14 01 ◯ Certified 02 ◯ Quality declared 03 ◯ Don't know
15. Did you purchase any seed/seedlings for this crop (%rostertitle%)? E s4aq10==1	SINGLE-SELECT s4aq15 01 ◯ Yes 02 ◯ No
16. How much did you pay (cash & in-kind payments) for all purchased seeds/seedlings used for this crop (%rostertitle%)? E s4aq15==1 V1 self.InRange(0,60000) M1 WARNING. Amount paid is higher than average. Please check your answer.	NUMERIC: INTEGER s4aq16 ∙ – – – – – – – – – – – – – – – – – – ∙
Check-4a Q9: The percentage coverage on a plot needs to sum up to 100 percent. V1 true || (crop_code.Sum(x=>x.percentCovered ?? 0)==100 && check_01==1) || crop_code.Sum(x=>x.percentCovered ?? 0)> 100 && check_01==2 M1 The percentage coverage on a plot needs to sum up to 100 percent. V2 crop_code.Sum(x=>x.s4aq09??0)<=100 M2 The percentage coverage on a plot needs to sum up to 100 percent.	SINGLE-SELECT check_01 01 ◯ YES 02 ◯ NO

[AG-4A] CROPS GROWN AND TYPES OF SEEDS USED
Roster: PARCELS - USE RIGHTS

E   s4aq01==1

VARIABLE	DOUBLE	total_acre_a
plots_a.Sum(x => x.s4aq07_a ?? 0)		

[AG-4A] CROPS GROWN AND TYPES OF SEEDS USED / PARCELS - USE RIGHTS
Roster: PLOTS - USE RIGHTS
generated by list question s3aq03_a

plots_a

6. SELECT CROP CODE	MULTI-SELECT	s4aq06_a
	111 ☐ Wheat	
	112 ☐ Barley	
	120 ☐ Rice	
	130 ☐ Maize	
	141 ☐ Finger millet	
	150 ☐ Sorghum	
	210 ☐ Beans	
	221 ☐ Field peas	
	222 ☐ Cow peas	
	223 ☐ Pigeon peas	
	224 ☐ Chick peas	
	310 ☐ Groundnuts	
	320 ☐ Soya beans	
	330 ☐ Sunflower	
	340 ☐ Simsim	
	410 ☐ Cabbage	
	And 35 other symbols [25]	

7.What was the total area of %rostertitle% planted?

NUMERIC: DECIMAL   s4aq07_a

E   (s4aq01==1)
V1 s4aq07_a<=3
M1 WARNING. Area of plot planted is higher than average. Please confirm your answer.
V2 IsAnswered(self) ? total_acre_a<= (s2bq05) : true
M2 The total area planted on this parcel is greater than the total parcel area. Please correct.
V3 // area planted on current plot self <= s2bq05
M3 ERROR. Area planted on this plot cannot be greater than the total parcel size. Please correct.

[AG-4A] CROPS GROWN AND TYPES OF SEEDS USED / PARCELS - USE RIGHTS / PLOTS - USE RIGHTS
Roster: CROP CODE
generated by multi-select question s4aq06_a

crop_code_a

6.1. RECORD RESPONDENT FOR THIS CROP	SINGLE-SELECT: LINKED	s4aq06_1_a

8. What type of crop stand was on the plot %rostertitle%?

SINGLE-SELECT   s4aq08_a

01 ◯ Pure Stand
02 ◯ Mixed Stand

E   (s4aq01==1)
V1 // if pure stand, then should only have one crop only self==1 ? s4aq06_a.Length==1 : // if mixed stand, then should have more than one crop self==2 ? s4aq06_a.Length>1 : true
M1 ERROR. Answer inconsistent with the number of crops recorded on this plot. Correct your answer to this question or to question 6.

9. Approximately what percentage of the plot area was under this %rostertitle%? E (s4aq08_a==2) V1 self.InRange(1,99) M1 The percentage of the plot area must be between 1 and 99. Please correct.	NUMERIC: INTEGER s4aq09_a ------------------------------
VARIABLE // if crop stand, 100 % coverage s4aq08_a==1 ? (double) 100 : // if mixed crop, then whatever % is recorded (double) s4aq09_a	DOUBLE percentCovered_a
9.1. What month was the crop planted?	SINGLE-SELECT s4aq09_1_a 01 ◯ January 02 ◯ February 03 ◯ March 04 ◯ April 05 ◯ May 06 ◯ June 07 ◯ July 08 ◯ August 09 ◯ September 10 ◯ October 11 ◯ November 12 ◯ December
9.2. What year was the crop planted? (YYYY) I Enter 9998 if response is "Don't Know" V1 self.InRange(1950,2017) || self.InList(9998) M1 The year the crop was planted seems incorrect. Please double check.	NUMERIC: INTEGER s4aq09_2_a ------------------------------
10. Did you use any seed/seedlings?	SINGLE-SELECT s4aq10_a 01 ◯ Yes 02 ◯ No
11a. How much seed did you use for this %rostertitle% Qty E (s4aq10_a==1)	NUMERIC: DECIMAL s4aq11a_a ------------------------------

11a. How much seed did you use for this %rostertitle% UNIT F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@ro And 974 other symbols [3] E (s4aq10_a==1)	SINGLE-SELECT s4aq11b_a 001 ◯ Kilogram (KG) 009 ◯ Sack (120 kgs) 010 ◯ Sack (100 kgs) 012 ◯ Sack (50 kgs) 014 ◯ Jerrican (20 lts) 015 ◯ Jerrican(10 lts) 016 ◯ Jerrican (5 lts) 017 ◯ Jerrican (3 lts) 018 ◯ Jerrican (2 lts) 020 ◯ Tin (20 lts) 021 ◯ Tin (5 lts) 022 ◯ Plastic Basin (15 lts) 029 ◯ Kimbo/Cowboy/Blueband Tin (2 kg) 030 ◯ Kimbo/Cowboy/Blueband Tin (1 kg) 031 ◯ Kimbo/Cowboy/Blueband Tin (0.5 kg) 032 ◯ Cup/Mug(0.5 lt) And 26 other symbols [28]
Please specify Other E s4aq11b_a==96	TEXT s4aq11b_othr_a ··
12a. How much seed would you have used for this %rostertitle% if you had planted it pure stand on this [PLOT]? Qty E (s4aq10_a==1) &&(s4aq08_a==2)	NUMERIC: DECIMAL s4aq12a_a –
12a. How much seed would you have used for this %rostertitle% if you had planted it pure stand on this [PLOT]? UNIT F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@ro And 974 other symbols [4] E (s4aq10_a==1) && (s4aq08_a==2)	SINGLE-SELECT s4aq12b_a 001 ◯ Kilogram (KG) 009 ◯ Sack (120 kgs) 010 ◯ Sack (100 kgs) 012 ◯ Sack (50 kgs) 014 ◯ Jerrican (20 lts) 015 ◯ Jerrican(10 lts) 016 ◯ Jerrican (5 lts) 017 ◯ Jerrican (3 lts) 018 ◯ Jerrican (2 lts) 020 ◯ Tin (20 lts) 021 ◯ Tin (5 lts) 022 ◯ Plastic Basin (15 lts) 029 ◯ Kimbo/Cowboy/Blueband Tin (2 kg) 030 ◯ Kimbo/Cowboy/Blueband Tin (1 kg) 031 ◯ Kimbo/Cowboy/Blueband Tin (0.5 kg) 032 ◯ Cup/Mug(0.5 lt) And 26 other symbols [29]
12b. Please specify the other type of unit E s4aq12b_a==96	TEXT s4aq11b_oth_a ··

13. What type of seed/seedlings did you use for this crop(%rostertitle%)? E (s4aq10_a==1)	SINGLE-SELECT s4aq13_a 01 ◯ Traditional 02 ◯ Improved
14. What type of improved seed did you use for this %rostertitle%? E // improved seeds s4aq13_a==2	SINGLE-SELECT s4aq14_a 01 ◯ Certified 02 ◯ Quality declared 03 ◯ Don't know
15. Did you purchase any seed/seedlings for this crop (%rostertitle%)? E s4aq10_a==1	SINGLE-SELECT s4aq15_a 01 ◯ Yes 02 ◯ No
16. How much did you pay (cash & in-kind payments) for all purchased seeds/seedlings used for this crop (%rostertitle%)? E s4aq15_a==1 V1 self.InRange(0,60000) M1 WARNING. Amount paid is higher than average. Please check your answer.	NUMERIC: INTEGER s4aq16_a -
Check-4a Q9: The percentage coverage on a plot needs to sum up to 100 percent. V1 true || (crop_code_a.Sum(x=>x.percentCovered_a ?? 0)==100 && check_01_a==1) || crop_code_a.Sum(x=>x.percentCovered_a ?? 0)>100 && check_01_a==2 M1 The percentage coverage on a plot needs to sum up to 100 percent. V2 crop_code_a.Sum(x=>x.s4aq09_a??0)<=100 M2 The percentage coverage on a plot needs to sum up to 100 percent.	SINGLE-SELECT check_01_a 01 ◯ YES 02 ◯ NO

[AG-5A] QUANTIFICATION OF PRODUCTION

E // ag filter s19q1==1

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	ag5a_respondent

STATIC TEXT

I would now like to ask about your harvest from crops that were planted during a previous season. Please provide the following information related to quantity of [CROP] harvested and sold – that were planted in the first season of 2017 (first cropping Season of 2017).

[AG-5A] QUANTIFICATION OF PRODUCTION
Roster: PARCELS
generated by list question s2aq03

parcels2

[AG-5A] QUANTIFICATION OF PRODUCTION / PARCELS
Roster: PLOTS
generated by list question s3aq03

plots2

[AG-5A] QUANTIFICATION OF PRODUCTION / PARCELS / PLOTS
Roster: CROPS
generated by multi-select question s4aq06

crops2

5.1. RECORD RESPONDENT FOR THIS CROP (%rostertitle%)	SINGLE-SELECT: LINKED	s5aq05_1
5.2. Is this crop harvested?	SINGLE-SELECT 01 ◯ Yes, fully harvested 02 ◯ Yes, partly harvested 03 ◯ No	s5aq05_2

[AG-5A] QUANTIFICATION OF PRODUCTION / PARCELS / PLOTS / CROPS
SUBSECTION 5A

E s5aq05_2==1

6a. How much %rostertitle% did you harvest during the 1st season of 2017, and in what condition/state? Qty I IF THE ENTIRE CROP WAS LOST BEFORE HARVEST WRITE '00' E s5aq05_2.InList(1,2)	NUMERIC: DECIMAL -----------------------------	s5aq06a_1

6b. Unit

F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@ro
And 974 other symbols [5]

E // harvested something s5aq05_2.InList(1,2) && s5aq06a_1 >0

SINGLE-SELECT   s5aq06b_1

- 001 ○ Kilogram (KG)
- 009 ○ Sack (120 kgs)
- 010 ○ Sack (100 kgs)
- 012 ○ Sack (50 kgs)
- 014 ○ Jerrican (20 lts)
- 015 ○ Jerrican(10 lts)
- 016 ○ Jerrican (5 lts)
- 017 ○ Jerrican (3 lts)
- 018 ○ Jerrican (2 lts)
- 020 ○ Tin (20 lts)
- 021 ○ Tin (5 lts)
- 022 ○ Plastic Basin (15 lts)
- 029 ○ Kimbo/Cowboy/Blueband Tin (2 kg)
- 030 ○ Kimbo/Cowboy/Blueband Tin (1 kg)
- 031 ○ Kimbo/Cowboy/Blueband Tin (0.5 kg)
- 032 ○ Cup/Mug(0.5 lt)

And 26 other symbols [30]

6c. Condition / state

E // harvest not completely lost s5aq05_2.InList(1,2) && (s5aq06a_1>0)

SINGLE-SELECT   s5aq06c_1

- 11 ○ Green harvested - with shell/cob and with stalk
- 12 ○ Green harvested - with shell/cob without stalk
- 13 ○ Green harvested - in the cob
- 14 ○ Green harvested - in the pods
- 20 ○ Fresh/raw harvested - state not applicable
- 21 ○ Fresh/raw harvested - with shell/cob and with stalk
- 22 ○ Fresh/raw harvested - with shell/cob without stalk
- 23 ○ Fresh/raw harvested - in the cob
- 24 ○ Fresh/raw harvested - in pods
- 31 ○ Dry at harvest - with shell/cob and with stalk
- 32 ○ Dry at harvest - with shell
- 33 ○ Dry at harvest - in the cob
- 35 ○ Dry at harvest - grain
- 40 ○ Dry after additional drying - state not applicable
- 41 ○ Dry after additional drying - with shell and with stalk
- 42 ○ Dry after additional drying - with shell

And 4 other symbols [31]

6d. Conversion factor into kg?

E // harvest not completely lost s5aq05_2.InList(1,2) && (s5aq06a_1>0)

NUMERIC: DECIMAL   s5aq06d_1

- -

6e. In what month did the harvest begin?	SINGLE-SELECT s5aq06e_1
E `// harvest not completely lost s5aq05_2.InList(1,2) && ( s5aq06a_1>0)`	01 ◯ January 02 ◯ February 03 ◯ March 04 ◯ April 05 ◯ May 06 ◯ June 07 ◯ July 08 ◯ August 09 ◯ September 10 ◯ October 11 ◯ November 12 ◯ December

6e_1. In what year did the harvest begin? (YYYY)	NUMERIC: INTEGER s5aq06e_1_1
E `// harvest not completely lost s5aq05_2.InList(1,2) && ( s5aq06a_1>0)` V1 `// should be before start of interview s1bq02 >= new DateTime((int) self,(int) s5aq06e_1,1)` M1 ERROR. The beginning of harvest should be before the date of interview. Please correct.	- .

6f. In what month did the harvest end?	SINGLE-SELECT s5aq06f_1
E `// harvest not completely lost s5aq05_2.InList(1,2) && ( s5aq06a_1>0)`	01 ◯ Jan 02 ◯ Feb 03 ◯ Mar 04 ◯ Apr 05 ◯ May 06 ◯ Jun 07 ◯ Jul 08 ◯ Aug 09 ◯ Sep 10 ◯ Oct 11 ◯ Nov 12 ◯ Dec

6f_1. In what year did the harvest end? (YYYY)	NUMERIC: INTEGER s5aq06f_1_1
E `// harvest not completely lost s5aq05_2.InList(1,2) && ( s5aq06a_1>0)` V1 `// harvest end date (new DateTime((int) self,(int) s5aq06f_1,(int)1)) >= // comes later than harvest start (new DateTime((int) s5aq06e_1_1,(int) s5aq06e_1,(int)1))` M1 ERROR. Harvest end must be AFTER harvest began. Please correct. V2 `// should be before start of interview s1bq02 >= new DateTime((int) self,(int) s5aq06f_1,1)` M2 ERROR. The end of harvest should be before the interview date. Please correct.	- .

6a1. Were the decisions concerning the use of the crop output made by a single HH member or made jointly by multiple HH members?	SINGLE-SELECT s5aq06a_1_1
E `// harvest not completely lost (s5aq06a_1>0)`	01 ◯ Single member 02 ◯ Jointly

6a2. Who is the primary decision maker concerning the use of crop output?	SINGLE-SELECT: LINKED s5aq06a_2_1
E `(s5aq06a_1_1==1)`	

6a3. Who are the decision makers concerning the use of crop output?	MULTI-SELECT: LINKED	s5aq06a_3_1
E (s5aq06a_1_1==2)		

7a. How much of the %rostertitle% you harvested during the 1st season of 2017 was sold and in what condition/state? Quantity I IF NONE, WRITE 0 E // harvest not completely lost s5aq05_2.InList(1,2) && (s5aq06a_1>0)	NUMERIC: DECIMAL	s5aq07a_1
	- -	

7b.Condition / state	SINGLE-SELECT	s5aq07b_1
E //Crop was harvested s5aq05_2.InList(1,2) && // sold some harvest (s5aq07a_1 >0) && // harvest not completely lost (s5aq06a_1>0)	11 ◯ Green harvested - with shell/cob and with stalk 12 ◯ Green harvested - with shell/cob without stalk 13 ◯ Green harvested - in the cob 14 ◯ Green harvested - in the pods 20 ◯ Fresh/raw harvested - state not applicable 21 ◯ Fresh/raw harvested - with shell/cob and with stalk 22 ◯ Fresh/raw harvested - with shell/cob without stalk 23 ◯ Fresh/raw harvested - in the cob 24 ◯ Fresh/raw harvested - in pods 31 ◯ Dry at harvest - with shell/cob and with stalk 32 ◯ Dry at harvest - with shell 33 ◯ Dry at harvest - in the cob 35 ◯ Dry at harvest - grain 40 ◯ Dry after additional drying - state not applicable 41 ◯ Dry after additional drying - with shell and with stalk 42 ◯ Dry after additional drying - with shell And 4 other symbols [32]	

7c. Unit

F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@ro
[And 974 other symbols [6]](#)

E // sold something s5aq05_2.InList(1,2) && s5aq07a_1>0

SINGLE-SELECT   s5aq07c_1

- 001 ⃝ Kilogram (KG)
- 009 ⃝ Sack (120 kgs)
- 010 ⃝ Sack (100 kgs)
- 012 ⃝ Sack (50 kgs)
- 014 ⃝ Jerrican (20 lts)
- 015 ⃝ Jerrican(10 lts)
- 016 ⃝ Jerrican (5 lts)
- 017 ⃝ Jerrican (3 lts)
- 018 ⃝ Jerrican (2 lts)
- 020 ⃝ Tin (20 lts)
- 021 ⃝ Tin (5 lts)
- 022 ⃝ Plastic Basin (15 lts)
- 029 ⃝ Kimbo/Cowboy/Blueband Tin (2 kg)
- 030 ⃝ Kimbo/Cowboy/Blueband Tin (1 kg)
- 031 ⃝ Kimbo/Cowboy/Blueband Tin (0.5 kg)
- 032 ⃝ Cup/Mug(0.5 lt)

[And 26 other symbols [33]](#)

---

8. What was the value?

I UShs

E //crop was harvested s5aq05_2.InList(1,2) && // sold some harvest (s5aq07a_1 >0) && // harvest not completely lost (s5aq06a_1>0)

NUMERIC: INTEGER   s5aq08_1

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

---

9. Who bought the largest part?

E s5aq05_2.InList(1,2) && // sold some harvest (s5aq07a_1 >0) && // harvest not completely lost (s5aq06a_1>0)

SINGLE-SELECT   s5aq09_1

- 01 ⃝ Government/ LC
- 02 ⃝ Private trader in local market/ village
- 03 ⃝ Private trader in district market
- 04 ⃝ Consumer at market
- 05 ⃝ Neighbor/ Relative
- 06 ⃝ Other (specify)

9_oth. Specify who bought the largest part.

E (s5aq09_1==6) && (s5aq06a_1!=00)

TEXT   s5aq09_1_oth

....

---

10. How much was spent on transport?

I UShs If none write 0

E s5aq05_2.InList(1,2) && (s5aq07a_1 >0)

V1 self.InRange(0,3000)

M1 WARNING. Amount spent is higher than average. Please confirm your answer.

NUMERIC: INTEGER   s5aq10_1

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

11e.Were the decisions concerning the use of the earnings from the crop sales made by a single HH member or made jointly by multiple members?

E s5aq05_2.InList(1,2) && // sold some harvest (s5aq07a_1 >0) && // harvest not completely lost (s5aq06a_1>0)

SINGLE-SELECT   s5aq11e_1

- 01 ⃝ single
- 02 ⃝ jointly

11f. Who was the primary decision maker concerning the use of earnings from the crop sales?	SINGLE-SELECT: LINKED	s5aq11f_1

E s5aq05_2.InList(1,2) && // single decision-maker (s5aq11e_1==1) && // sold some harvest (s5aq07a_1 >0) && // harvest not completely lost (s5aq06a_1>0)

11. Who will be the decision makers concerning the use of earning from the crops?	MULTI-SELECT: LINKED	s5aq11g_1

E s5aq05_2.InList(1,2) && s5aq11e_1==2

12. How much of the %rostertitle% harvested during the 1st cropping season of 2017 was given out as gifts or reimbursements for land, labour, oxen etc? Qty	NUMERIC: DECIMAL	s5aq12_1

E // harvest not completely lost (s5aq06a_1>0)
V1 s5aq05_2.InList(1,2) && s5aq06a_1>=s5aq12_1
M1 Cannot be greater than total harvest. Please correct.

13. How much of the %rostertitle% harvested during the 1st cropping season of 2017 has already been consumed by your household?	NUMERIC: DECIMAL	s5aq13_1

I Quantity
E // harvest not completely lost (s5aq06a_1>0)
V1 s5aq05_2.InList(1,2) && s5aq06a_1>=s5aq13_1
M1 Cannot be greater than total harvest. Please correct.
V2 // harvest >= gifts + consumption s5aq06a_1 >= s5aq12_1 + self
M2 ERROR. The reported quantities for gifts and household consumption are greater than the quantity harvested. Please correct.

14a. How much of the %rostertitle% harvested during the 1st season of 2017 was used to produce processed food products for sale?	NUMERIC: DECIMAL	s5aq14a_1

I Quantity
E // harvest not completely lost s5aq05_2.InList(1,2) && (s5aq06a_1>0)
V1 s5aq06a_1>=s5aq14a_1
M1 Cannot be greater than total harvest. Please correct.
V2 // harvest >= gifts + consumption + sale s5aq06a_1 >= s5aq12_1 + s5aq13_1 + self
M2 ERROR. The total quantity reported--for gifts, consumption, and sale--is greater than the quantity harvested. Please correct.

14b. How much of the %rostertitle% harvested during the 1st season of 2017 was used for animal feed?	NUMERIC: DECIMAL	s5aq14b_1

I Quantity
E // harvest not completely lost s5aq05_2.InList(1,2) && (s5aq06a_1>0)
V1 s5aq06a_1>=s5aq14b_1
M1 Cannot be greater than total harvest. Please correct.
V2 // harvest >= gifts + consumption + sale + feed s5aq06a_1 >= s5aq12_1 + s5aq13_1 + s5aq14a_1 + self
M2 ERROR. The total quantity reported--for gifts, consumption, sale, and animal feed--is greater than the quantity harvested. Please correct.

15. How much of the SEED from the %rostertitle% harvested during the 1st season of 2017 was saved for seed?

NUMERIC: DECIMAL   s5aq15_1

- .

I   Quantity
E   // harvest not completely lost s5aq05_2.InList(1,2) && (s5aq06a_1>0)
V1   s5aq06a_1>=self
M1   Cannot be greater than total harvest. Please correct.

---

16. What percentage of the %rostertitle% harvested during the 1st season of 2017 did you lose or waste after harvest?

NUMERIC: DECIMAL   s5aq16_1

- .

I   Percentage (%)
E   // harvest not completely lost s5aq05_2.InList(1,2) && (s5aq06a_1>0)
V1   self.InRange(0,100)
M1   The percentage must be between 0 and 100. Please correct.

---

17. What was the main reason for the loss?

SINGLE-SELECT   s5aq17_1

01 ○ Insects
02 ○ Rodents
03 ○ Flood
04 ○ Stolen
06 ○ Other (specify)

E   //crop harvested s5aq05_2.InList(1,2) && // lost some harvest (s5aq16_1>0) && // harvest not completely lost (s5aq06a_1>0)

17_oth. Specify the main reason for the loss.

TEXT   s5aq17_1_oth

··

E   (s5aq17_1==6) && (s5aq06a_1!=00)

---

18. What is your main method of storage for this crop?

SINGLE-SELECT   s5aq18_1

01 ○ Locally made traditional structure
02 ○ Improved locally made structure
03 ○ Modern store
04 ○ Sacks/ open drum
05 ○ Airtight drum
06 ○ Unprotected pile
07 ○ In ceiling of dwelling
96 ○ Other (specify)

E   // harvest not completely lost s5aq05_2.InList(1,2) && (s5aq06a_1>0)

18_oth. Specify your main method of storage for this crop (%rostertitle%).

TEXT   s5aq18_1_oth

··

E   (s5aq18_1==96) && (s5aq06a_1!=00)

---

19. Did you do anything to protect the stored crop?

SINGLE-SELECT   s5aq19_1

01 ○ Yes
02 ○ No

E   // harvest not completely lost s5aq05_2.InList(1,2) && (s5aq06a_1>0)

---

20. What did you do?

SINGLE-SELECT   s5aq20_1

01 ○ Spraying
02 ○ Smoking
03 ○ Other (specify)

E   //crop harvested s5aq05_2.InList(1,2) && // tried to protect stored harvest (s5aq19_1==1) && // harvest not completely lost (s5aq06a_1>0)

20_oth. Specify what you did to protect the stored crop.

TEXT   s5aq20_1_oth

··

E   (s5aq20_1==3) && (s5aq06a_1!=00)

21. How much of the %rostertitle% harvested during the 1st season of 2017 is still being stored by your household? Qty E // harvest not completely lost (s5aq06a_1>0) V1 s5aq05_2.InList(1,2) && // harvest >= storage s5aq06a_1>=self M1 ERROR. Cannot be greater than total harvest. Please correct.	NUMERIC: DECIMAL s5aq21_1 -
22.In case there was no harvest,what was the main reason for the pre- harvest loss? E // no harvest s5aq06a_1==0	SINGLE-SELECT s5aq22_1 01 ⃝ Pests 02 ⃝ Animals 03 ⃝ Floods 04 ⃝ Drought 05 ⃝ Hailstones 06 ⃝ Other (Specify)
22_oth. Specify the main reason for the pre-harvest loss. E (s5aq22_1==6)	TEXT s5aq22_1_oth ·
23a. Did you harvest any %rostertitle% residues?	SINGLE-SELECT s5aq23a_1 01 ⃝ Yes - Harvested 02 ⃝ No - Residues Left in the field 03 ⃝ No - No residues
23b. What was the main use? E // had crop residue s5aq23a_1.InRange(1,2)	SINGLE-SELECT s5aq23b_1 01 ⃝ Animal feed 02 ⃝ Fuel 03 ⃝ Thatching/ Other HH Items (e.g. Mats) 96 ⃝ Other Specify
23b_oth. Specify the main use. E (s5aq23b_1==96)	TEXT s5aq23b_1_oth ·

[AG-5A] QUANTIFICATION OF PRODUCTION / PARCELS / PLOTS / CROPS
SUBSECTION 5B

E s5aq05_2==2

6a. How much %rostertitle% did you harvest during the 1st season of 2017 and in what condition/state? Qty I IF THE ENTIRE CROP WAS LOST BEFORE HARVEST WRITE '00'	NUMERIC: DECIMAL s5bq06a_1 -

6b. Unit

F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@ro
And 974 other symbols [7]

E // harvested something s5bq06a_1>0

SINGLE-SELECT   s5bq06b_1

- 001 ◯ Kilogram (KG)
- 009 ◯ Sack (120 kgs)
- 010 ◯ Sack (100 kgs)
- 012 ◯ Sack (50 kgs)
- 014 ◯ Jerrican (20 lts)
- 015 ◯ Jerrican(10 lts)
- 016 ◯ Jerrican (5 lts)
- 017 ◯ Jerrican (3 lts)
- 018 ◯ Jerrican (2 lts)
- 020 ◯ Tin (20 lts)
- 021 ◯ Tin (5 lts)
- 022 ◯ Plastic Basin (15 lts)
- 029 ◯ Kimbo/Cowboy/Blueband Tin (2 kg)
- 030 ◯ Kimbo/Cowboy/Blueband Tin (1 kg)
- 031 ◯ Kimbo/Cowboy/Blueband Tin (0.5 kg)
- 032 ◯ Cup/Mug(0.5 lt)

And 26 other symbols [34]

6c. Condition / state

E // harvest not completely lost (s5bq06a_1>0)

SINGLE-SELECT   s5bq06c_1

- 11 ◯ Green harvested - with shell/cob and with stalk
- 12 ◯ Green harvested - with shell/cob without stalk
- 13 ◯ Green harvested - in the cob
- 14 ◯ Green harvested - in the pods
- 20 ◯ Fresh/raw harvested - state not applicable
- 21 ◯ Fresh/raw harvested - with shell/cob and with stalk
- 22 ◯ Fresh/raw harvested - with shell/cob without stalk
- 23 ◯ Fresh/raw harvested - in the cob
- 24 ◯ Fresh/raw harvested - in pods
- 31 ◯ Dry at harvest - with shell/cob and with stalk
- 32 ◯ Dry at harvest - with shell
- 33 ◯ Dry at harvest - in the cob
- 35 ◯ Dry at harvest - grain
- 40 ◯ Dry after additional drying - state not applicable
- 41 ◯ Dry after additional drying - with shell and with stalk
- 42 ◯ Dry after additional drying - with shell

And 4 other symbols [35]

6d. Conversion factor into kg?

E // harvest not completely lost (s5bq06a_1>0)

NUMERIC: DECIMAL   s5bq06d_1

- -

6e. In what month did the harvest begin?	SINGLE-SELECT s5bq06e_1
E // harvest not completely lost (s5bq06a_1>0)	01 ◯ January 02 ◯ February 03 ◯ March 04 ◯ April 05 ◯ May 06 ◯ June 07 ◯ July 08 ◯ August 09 ◯ September 10 ◯ October 11 ◯ November 12 ◯ December
6e_1. In what year did the harvest begin? (YY) E // harvest not completely lost (s5bq06a_1>0) V1 // should be before start of interview s1bq02 >= new Dat eTime((int) self,(int) s5bq06e_1,1) M1 ERROR. The beginning of harvest should be before the date of intervie w. Please correct.	NUMERIC: INTEGER s5bq06e_1_1 ------------------------------ .
6f. In what month do you expect the harvest end? E // harvest not completely lost (s5bq06a_1>0)	SINGLE-SELECT s5bq06f_1 01 ◯ Jan 02 ◯ Feb 03 ◯ Mar 04 ◯ Apr 05 ◯ May 06 ◯ Jun 07 ◯ Jul 08 ◯ Aug 09 ◯ Sep 10 ◯ Oct 11 ◯ Nov 12 ◯ Dec
6f_1. In what year do you expect the harvest end? (YY) E // harvest not completely lost (s5bq06a_1>0) V1 // harvest end date (new DateTime((int) self,(int) s5bq0 6f_1,(int)1)) >= // comes later than harvest start (new DateTime((int) s5bq06e_1_1,(int) s5bq06e_1,(int)1)) M1 ERROR. Harvest end must be AFTER harvest began. Please correct.	NUMERIC: INTEGER s5bq06f_1_1 ------------------------------ .
6.g how much in percentage of the crop has been harvested? E // harvest not completely lost (s5bq06a_1>0)	NUMERIC: DECIMAL s5bq6g ------------------------------ .

6b_1. How much %rostertitle% do you expect to still be harvest during the 1st season of 2017 and in what condition/state?	SINGLE-SELECT	s5bq6b_1_unit

F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@ro
And 974 other symbols [8]

E (s5bq06a_1>0)

001 ○ Kilogram (KG)
009 ○ Sack (120 kgs)
010 ○ Sack (100 kgs)
012 ○ Sack (50 kgs)
014 ○ Jerrican (20 lts)
015 ○ Jerrican(10 lts)
016 ○ Jerrican (5 lts)
017 ○ Jerrican (3 lts)
018 ○ Jerrican (2 lts)
020 ○ Tin (20 lts)
021 ○ Tin (5 lts)
022 ○ Plastic Basin (15 lts)
029 ○ Kimbo/Cowboy/Blueband Tin (2 kg)
030 ○ Kimbo/Cowboy/Blueband Tin (1 kg)
031 ○ Kimbo/Cowboy/Blueband Tin (0.5 kg)
032 ○ Cup/Mug(0.5 lt)

And 26 other symbols [36]

6b_2. How much %rostertitle% do you expect to still be harvest during the 1st season of 2017 and in what condition/state? QTY

NUMERIC: DECIMAL   s5bq6b_1_qty

E (s5bq06a_1>0)

- .

6b_3. How much %rostertitle% do you expect to still be harvest during the 1st season of 2017 and in what condition/state? condition

SINGLE-SELECT   s5bq6b_1_condition

E (s5bq06a_1>0)

11 ○ Green harvested - with shell/cob and with stalk
12 ○ Green harvested - with shell/cob without stalk
13 ○ Green harvested - in the cob
14 ○ Green harvested - in the pods
20 ○ Fresh/raw harvested - state not applicable
21 ○ Fresh/raw harvested - with shell/cob and with stalk
22 ○ Fresh/raw harvested - with shell/cob without stalk
23 ○ Fresh/raw harvested - in the cob
24 ○ Fresh/raw harvested - in pods
31 ○ Dry at harvest - with shell/cob and with stalk
32 ○ Dry at harvest - with shell
33 ○ Dry at harvest - in the cob
35 ○ Dry at harvest - grain
40 ○ Dry after additional drying - state not applicable
41 ○ Dry after additional drying - with shell and with stalk
42 ○ Dry after additional drying - with shell

And 4 other symbols [37]

6b_4. Conversion factor into kg?

TEXT   s5bq6b_1_conversion

E (s5bq06a_1>0)

....

6a1. Were/will the decisions concerning the use of the crop output made by a single HH member or made jointly by multiple HH members? E // harvest not completely lost (s5bq06a_1>0)	SINGLE-SELECT s5bq06a_1_1 01 ◯ Single member 02 ◯ Jointly
6a2.Who is the primary decision maker concerning the use of crop output? E // harvest not completely lost (s5bq06a_1>0) && // single decision-maker (s5bq06a_1_1==1)	SINGLE-SELECT: LINKED s5bq06a_2_1
6a3.Who are the decision makers concerning the use of crop output? E // multiple decision-makers (s5bq06a_1_1==2)	MULTI-SELECT: LINKED s5bq06a_3_1
7a. How much of the %rostertitle% you harvested during the 1st season of 2017 was sold and in what condition/state? **Quantity** I IF NONE, WRITE 0 E // harvest not completely lost (s5bq06a_1>0)	NUMERIC: DECIMAL s5bq07a_1 - .
7b.Condition / state E // sold some harvest (s5bq07a_1 >0) && // harvest not completely lost (s5bq06a_1>0)	SINGLE-SELECT s5bq07b_1 11 ◯ Green harvested - with shell/cob and with stalk 12 ◯ Green harvested - with shell/cob without stalk 13 ◯ Green harvested - in the cob 14 ◯ Green harvested - in the pods 20 ◯ Fresh/raw harvested - state not applicable 21 ◯ Fresh/raw harvested - with shell/cob and with stalk 22 ◯ Fresh/raw harvested - with shell/cob without stalk 23 ◯ Fresh/raw harvested - in the cob 24 ◯ Fresh/raw harvested - in pods 31 ◯ Dry at harvest - with shell/cob and with stalk 32 ◯ Dry at harvest - with shell 33 ◯ Dry at harvest - in the cob 35 ◯ Dry at harvest - grain 40 ◯ Dry after additional drying - state not applicable 41 ◯ Dry after additional drying - with shell and with stalk 42 ◯ Dry after additional drying - with shell And 4 other symbols [38]

7c. <mark>Unit</mark> F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@ro [And 974 other symbols [9]](#) E // sold something s5bq07a_1>0	SINGLE-SELECT s5bq07c_1 001 ◯ Kilogram (KG) 009 ◯ Sack (120 kgs) 010 ◯ Sack (100 kgs) 012 ◯ Sack (50 kgs) 014 ◯ Jerrican (20 lts) 015 ◯ Jerrican(10 lts) 016 ◯ Jerrican (5 lts) 017 ◯ Jerrican (3 lts) 018 ◯ Jerrican (2 lts) 020 ◯ Tin (20 lts) 021 ◯ Tin (5 lts) 022 ◯ Plastic Basin (15 lts) 029 ◯ Kimbo/Cowboy/Blueband Tin (2 kg) 030 ◯ Kimbo/Cowboy/Blueband Tin (1 kg) 031 ◯ Kimbo/Cowboy/Blueband Tin (0.5 kg) 032 ◯ Cup/Mug(0.5 lt) [And 26 other symbols [39]](#)
8. What was the value? I UShs E // sold some harvest (s5bq07a_1 >0) && // harvest not completely lost (s5bq06a_1>0)	NUMERIC: INTEGER s5bq08_1 - .
9. Who bought the largest part? E // sold some harvest (s5bq07a_1 >0) && // harvest not completely lost (s5bq06a_1>0)	SINGLE-SELECT s5bq09_1 01 ◯ Government/ LC 02 ◯ Private trader in local market/ village 03 ◯ Private trader in district market 04 ◯ Consumer at market 05 ◯ Neighbor/ Relative 06 ◯ Other (specify)
9_oth. Specify who bought the largest part. E (s5bq09_1==6) && (s5bq06a_1!=00)	TEXT s5bq09_1_oth ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯
10. How much was spent on transport? I UShs If none write 0 E (s5bq07a_1 >0) V1 self.InRange(0,3000) M1 WARNING. Amount spent is higher than average. Please confirm your answer.	NUMERIC: INTEGER s5bq10_1 - .
11a. Do you expect more of the harvest to be sold? E (s5bq06a_1>0)	SINGLE-SELECT s5bq11a 01 ◯ Yes 02 ◯ No
7a_1. How much of the %rostertitle% do you expect will still be sold and in what condition/state? E s5bq11a==1	NUMERIC: DECIMAL s5bq7a_1_qty - .

7b_1. How much of the %rostertitle% do you expect will still be sold and in what condition/state? Condition:	SINGLE-SELECT	s5bq7a_1_cond

E s5bq11a==1

11 ◯ Green harvested - with shell/cob and with stalk
12 ◯ Green harvested - with shell/cob without stalk
13 ◯ Green harvested - in the cob
14 ◯ Green harvested - in the pods
20 ◯ Fresh/raw harvested - state not applicable
21 ◯ Fresh/raw harvested - with shell/cob and with stalk
22 ◯ Fresh/raw harvested - with shell/cob without stalk
23 ◯ Fresh/raw harvested - in the cob
24 ◯ Fresh/raw harvested - in pods
31 ◯ Dry at harvest - with shell/cob and with stalk
32 ◯ Dry at harvest - with shell
33 ◯ Dry at harvest - in the cob
35 ◯ Dry at harvest - grain
40 ◯ Dry after additional drying - state not applicable
41 ◯ Dry after additional drying - with shell and with stalk
42 ◯ Dry after additional drying - with shell

And 4 other symbols [40]

7C_1: Unit Code

SINGLE-SELECT   s5bq7a_1_unit

F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@ro
And 974 other symbols [10]
E s5bq11a==1

001 ◯ Kilogram (KG)
009 ◯ Sack (120 kgs)
010 ◯ Sack (100 kgs)
012 ◯ Sack (50 kgs)
014 ◯ Jerrican (20 lts)
015 ◯ Jerrican(10 lts)
016 ◯ Jerrican (5 lts)
017 ◯ Jerrican (3 lts)
018 ◯ Jerrican (2 lts)
020 ◯ Tin (20 lts)
021 ◯ Tin (5 lts)
022 ◯ Plastic Basin (15 lts)
029 ◯ Kimbo/Cowboy/Blueband Tin (2 kg)
030 ◯ Kimbo/Cowboy/Blueband Tin (1 kg)
031 ◯ Kimbo/Cowboy/Blueband Tin (0.5 kg)
032 ◯ Cup/Mug(0.5 lt)

And 26 other symbols [41]

8_1: What is the total value expected from the future sell?

NUMERIC: INTEGER   s5bq8_1

E s5bq11a==1

- -

11e. Were/will the decisions concerning the use of the earnings from the crop sales made by a single HH member or made jointly by multiple members?	SINGLE-SELECT s5bq11e_1 01 ◯ single 02 ◯ jointly
E `// sold some harvest (s5bq07a_1 >0) && // harvest not completely lost (s5bq06a_1>0)`	

11f. Who was/will be the primary decision maker concerning the use of earnings from the crop sales?	SINGLE-SELECT: LINKED s5bq11f_1
E `// single decision-maker (s5bq11e_1==1) && // sold some harvest (s5bq07a_1 >0) && // harvest not completely lost (s5bq06a_1>0)`	

11. Who were/will be the decision makers concerning the use of earning from the crops?	MULTI-SELECT: LINKED s5bq11g_1
E `(s5bq11e_1==2)`	

12. How much of the %rostertitle% harvested during the 1st cropping season of 2017 was given out as gifts or reimbursements for land, labour, oxen etc? Qty	NUMERIC: DECIMAL s5bq12_1 – – – – – – – – – – – – – – – – – .
E `// harvest not completely lost (s5bq06a_1>0)` V1 `s5bq06a_1>=s5bq12_1` M1 Cannot be greater than total harvest. Please correct.	

13. How much of the %rostertitle% harvested during the 1st cropping season of 2017 has already been consumed by your household?	NUMERIC: DECIMAL s5bq13_1 – – – – – – – – – – – – – – – – – .
I Quantity E `// harvest not completely lost (s5bq06a_1>0)` V1 `s5bq06a_1>=s5bq13_1` M1 Cannot be greater than total harvest. Please correct. V2 `// harvest >= gifts + consumption s5bq06a_1 >= s5bq12_1 + self` M2 ERROR. The reported quantities for gifts and household consumption are greater than the quantity harvested. Please correct.	

14a. How much of the %rostertitle% harvested during the 1st season of 2017 was used to produce processed food products for sale?	NUMERIC: DECIMAL s5bq14a_1 – – – – – – – – – – – – – – – – – .
I Quantity E `// harvest not completely lost (s5bq06a_1>0)` V1 `s5bq06a_1>=s5bq14a_1` M1 Cannot be greater than total harvest. Please correct. V2 `// harvest >= gifts + consumption + sale s5bq06a_1 >= s5bq12_1 + s5bq13_1 + self` M2 ERROR. The total quantity reported--for gifts, consumption, and sale--is greater than the quantity harvested. Please correct.	

14b. How much of the %rostertitle% harvested during the 1st season of 2017 was used for animal feed?	NUMERIC: DECIMAL s5bq14b_1 – – – – – – – – – – – – – – – – – .
I Quantity E `// harvest not completely lost (s5bq06a_1>0)` V1 `s5bq06a_1>=s5bq14b_1` M1 Cannot be greater than total harvest. Please correct. V2 `// harvest >= gifts + consumption + sale + feed s5bq06a_1 >= s5bq12_1 + s5bq13_1 + s5bq14a_1 + self` M2 ERROR. The total quantity reported--for gifts, consumption, sale, and animal feed--is greater than the quantity harvested. Please correct.	

15. How much of the SEED from the %rostertitle% harvested during the 1st season of 2017 was saved for seed?

- I Quantity
- E // harvest not completely lost (s5bq06a_1>0)
- V1 s5bq06a_1>=self
- M1 Cannot be greater than total harvest. Please correct.

NUMERIC: DECIMAL   s5bq15_1

----

16. What percentage of the %rostertitle% harvested during the 1st season of 2017 did you lose or waste after harvest?

- I Percentage (%)
- E // harvest not completely lost (s5bq06a_1>0)
- V1 self.InRange(0,100)
- M1 The percentage must be between 0 and 100. Please correct.

NUMERIC: DECIMAL   s5bq16_1

----

17. What was the main reason for the loss?

- E // lost some harvest (s5bq16_1>0) && // harvest not completely lost (s5bq06a_1>0)

SINGLE-SELECT   s5bq17_1

- 01 ○ Insects
- 02 ○ Rodents
- 03 ○ Flood
- 04 ○ Stolen
- 06 ○ Other (specify)

17_oth. Specify the main reason for the loss.

- E (s5bq17_1==6) && (s5bq06a_1!=00)

TEXT   s5bq17_1_oth

18. What is your main method of storage for this crop?

- E // harvest not completely lost (s5bq06a_1>0)

SINGLE-SELECT   s5bq18_1

- 01 ○ Locally made traditional structure
- 02 ○ Improved locally made structure
- 03 ○ Modern store
- 04 ○ Sacks/ open drum
- 05 ○ Airtight drum
- 06 ○ Unprotected pile
- 07 ○ In ceiling of dwelling
- 96 ○ Other (specify)

18_oth. Specify your main method of storage for this crop (%rostertitle%).

- E (s5bq18_1==96) && (s5bq06a_1!=00)

TEXT   s5bq18_1_oth

19. Did you do anything to protect the stored crop?

- E // harvest not completely lost (s5bq06a_1>0)

SINGLE-SELECT   s5bq19_1

- 01 ○ Yes
- 02 ○ No

20. What did you do?

- E // tried to protect stored harvest (s5bq19_1==1) && // harvest not completely lost (s5bq06a_1>0)

SINGLE-SELECT   s5bq20_1

- 01 ○ Spraying
- 02 ○ Smoking
- 03 ○ Other (specify)

20_oth. Specify what you did to protect the stored crop.

- E (s5bq20_1==3) && (s5bq06a_1!=00)

TEXT   s5bq20_1_oth

21. How much of the %rostertitle% harvested during the 1st season of 2017 is still being stored by your household? Qty	NUMERIC: DECIMAL s5bq21_1
E `// harvest not completely lost (s5bq06a_1>0)` V1 `// harvest >= storage s5bq06a_1>=self` M1 ERROR. Cannot be greater than total harvest. Please correct.	
22.In case there was no harvest,what was the main reason for the pre- harvest loss? E `// no harvest s5bq06a_1==0`	SINGLE-SELECT s5bq22_1 01 ○ Pests 02 ○ Animals 03 ○ Floods 04 ○ Drought 05 ○ Hailstones 06 ○ Other (Specify)
22_oth. Specify the main reason for the pre-harvest loss. E `(s5bq22_1==6)`	TEXT s5bq22_1_oth
23a. Did you harvest any %rostertitle% residues?	SINGLE-SELECT s5bq23a_1 01 ○ Yes - Harvested 02 ○ No - Residues Left in the field 03 ○ No - No residues
23b. What was the main use? E `// had crop residue s5bq23a_1.InRange(1,2)`	SINGLE-SELECT s5bq23b_1 01 ○ Animal feed 02 ○ Fuel 03 ○ Thatching/ Other HH Items (e.g. Mats) 96 ○ Other Specify
23b_oth. Specify the main use. E `(s5bq23b_1==96)`	TEXT s5bq23b_1_oth

[AG-5A] QUANTIFICATION OF PRODUCTION / PARCELS / PLOTS / CROPS
SUBSECTION 5C

E `s5aq05_2==3`

6a. How much %rostertitle% did you expect to be harvested during the 1st season of 2017 and in what condition/state? Qty I IF THE ENTIRE CROP WAS LOST BEFORE HARVEST WRITE '00'	NUMERIC: DECIMAL s5cq06a_1

6b. Unit

F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optio ncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@ro
And 974 other symbols [11]

E // harvested something s5cq06a_1>0

SINGLE-SELECT   s5cq06b_1

- 001 ◯ Kilogram (KG)
- 009 ◯ Sack (120 kgs)
- 010 ◯ Sack (100 kgs)
- 012 ◯ Sack (50 kgs)
- 014 ◯ Jerrican (20 lts)
- 015 ◯ Jerrican(10 lts)
- 016 ◯ Jerrican (5 lts)
- 017 ◯ Jerrican (3 lts)
- 018 ◯ Jerrican (2 lts)
- 020 ◯ Tin (20 lts)
- 021 ◯ Tin (5 lts)
- 022 ◯ Plastic Basin (15 lts)
- 029 ◯ Kimbo/Cowboy/Blueband Tin (2 kg)
- 030 ◯ Kimbo/Cowboy/Blueband Tin (1 kg)
- 031 ◯ Kimbo/Cowboy/Blueband Tin (0.5 kg)
- 032 ◯ Cup/Mug(0.5 lt)

And 26 other symbols [42]

6c. Condition / state

E // harvest not completely lost (s5cq06a_1>0)

SINGLE-SELECT   s5cq06c_1

- 11 ◯ Green harvested - with shell/cob and with stalk
- 12 ◯ Green harvested - with shell/cob without stalk
- 13 ◯ Green harvested - in the cob
- 14 ◯ Green harvested - in the pods
- 20 ◯ Fresh/raw harvested - state not applicable
- 21 ◯ Fresh/raw harvested - with shell/cob and with stalk
- 22 ◯ Fresh/raw harvested - with shell/cob without stalk
- 23 ◯ Fresh/raw harvested - in the cob
- 24 ◯ Fresh/raw harvested - in pods
- 31 ◯ Dry at harvest - with shell/cob and with stalk
- 32 ◯ Dry at harvest - with shell
- 33 ◯ Dry at harvest - in the cob
- 35 ◯ Dry at harvest - grain
- 40 ◯ Dry after additional drying - state not applicable
- 41 ◯ Dry after additional drying - with shell and with stalk
- 42 ◯ Dry after additional drying - with shell

And 4 other symbols [43]

6d. Conversion factor into kg?

E // harvest not completely lost (s5cq06a_1>0)

NUMERIC: DECIMAL   s5cq06d_1

- -

6e. In what month did the harvest begin?	SINGLE-SELECT　　　　　　　　　　　　　　s5cq06e_1
	01 ○ January
	02 ○ February
	03 ○ March
	04 ○ April
	05 ○ May
	06 ○ June
	07 ○ July
	08 ○ August
	09 ○ September
	10 ○ October
	11 ○ November
	12 ○ December

6e_1. In what year did the harvest begin? (YY)	NUMERIC: INTEGER　　　　　　　　　　　　s5cq06e_1_1
V1 (int)self<=s1bq02.Value.Year	
M1 ERROR. The beginning of harvest year should be before or equal to the date of interview year. Please correct.	- -

6f. In what month do you expect the harvest end?	SINGLE-SELECT　　　　　　　　　　　　　　s5cq06f_1
	01 ○ Jan
	02 ○ Feb
	03 ○ Mar
	04 ○ Apr
	05 ○ May
	06 ○ Jun
	07 ○ Jul
	08 ○ Aug
	09 ○ Sep
	10 ○ Oct
	11 ○ Nov
	12 ○ Dec

6f_1. In what year do you expect harvest end? (YY)	NUMERIC: INTEGER　　　　　　　　　　　　s5cq06f_1_1
V1 // harvest end date (new DateTime((int) self,(int) s5cq06f_1,(int)1)) >= // comes later than harvest start (new DateTime((int) s5cq06e_1_1,(int) s5cq06e_1,(int)1))	- -
M1 ERROR. Harvest end must be AFTER harvest began. Please correct.	
V2 // should be before start of interview //s1bq02 >= new DateTime((int) self,(int) s5cq06f_1,1) (int)self>=s1bq02.Value.Year	
M2 ERROR. The end of harvest year should come after or similar to the interview date year. Please correct.	

6a1.Will the decisions concerning the use of the crop output made by a single HH member or made jointly by multiple HH members?	SINGLE-SELECT　　　　　　　　　　　　　　s5cq06a_1_1
	01 ○ Single member
	02 ○ Jointly

6a2.Who is the primary decision maker concerning the use of crop output?	SINGLE-SELECT: LINKED　　　　　　　　　　s5cq06a_2_1
E // single decision-maker (s5cq06a_1_1==1)	

6a3.Who are the decision makers concerning the use of crop output?	MULTI-SELECT: LINKED　　　　　　　　　　s5cq06a_3_1
E s5cq06a_1_1==2	

7a. How much of the %rostertitle% do you expect to sell and in what condition/state? Quantity I IF NONE, WRITE 0	NUMERIC: DECIMAL s5cq07a_1 -
7b. Condition / state E // sold some harvest (s5cq07a_1 >0)	SINGLE-SELECT s5cq07b_1 11 ◯ Green harvested - with shell/cob and with stalk 12 ◯ Green harvested - with shell/cob without stalk 13 ◯ Green harvested - in the cob 14 ◯ Green harvested - in the pods 20 ◯ Fresh/raw harvested - state not applicable 21 ◯ Fresh/raw harvested - with shell/cob and with stalk 22 ◯ Fresh/raw harvested - with shell/cob without stalk 23 ◯ Fresh/raw harvested - in the cob 24 ◯ Fresh/raw harvested - in pods 31 ◯ Dry at harvest - with shell/cob and with stalk 32 ◯ Dry at harvest - with shell 33 ◯ Dry at harvest - in the cob 35 ◯ Dry at harvest - grain 40 ◯ Dry after additional drying - state not applicable 41 ◯ Dry after additional drying - with shell and with stalk 42 ◯ Dry after additional drying - with shell And 4 other symbols [44]
7c. Unit F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@ro And 974 other symbols [12] E // sold something s5cq07a_1>0	SINGLE-SELECT s5cq07c_1 001 ◯ Kilogram (KG) 009 ◯ Sack (120 kgs) 010 ◯ Sack (100 kgs) 012 ◯ Sack (50 kgs) 014 ◯ Jerrican (20 lts) 015 ◯ Jerrican(10 lts) 016 ◯ Jerrican (5 lts) 017 ◯ Jerrican (3 lts) 018 ◯ Jerrican (2 lts) 020 ◯ Tin (20 lts) 021 ◯ Tin (5 lts) 022 ◯ Plastic Basin (15 lts) 029 ◯ Kimbo/Cowboy/Blueband Tin (2 kg) 030 ◯ Kimbo/Cowboy/Blueband Tin (1 kg) 031 ◯ Kimbo/Cowboy/Blueband Tin (0.5 kg) 032 ◯ Cup/Mug(0.5 lt) And 26 other symbols [45]
7d. Conversion factor into kg? E // sold something s5cq07a_1>0	NUMERIC: DECIMAL s5cq07d_1 -

8. What is the total value expected from the future sell?	NUMERIC: INTEGER	s5cq08_1
I UShs E // sold some harvest (s5cq07a_1 >0)	- -	
11e.Will the decisions concerning the use of the earnings from the crop sales made by a single HH member or made jointly by multiple members? E // sold some harvest (s5cq07a_1 >0)	SINGLE-SELECT 01 ○ single 02 ○ jointly	s5cq11e_1
11f. Who will be the primary decision maker concerning the use of earnings from the crop sales? E // single decision-maker (s5cq11e_1==1) && // sold some harvest (s5cq07a_1 >0)	SINGLE-SELECT: LINKED	s5cq11f_1
11. Who will be the decision makers concerning the use of earning from the crops? E s5cq11e_1==2	MULTI-SELECT: LINKED	s5cq11g_1

[AG-5A] QUANTIFICATION OF PRODUCTION
Roster: PARCELS - USE RIGHTS
generated by list question s2bq03

parcels2_a

[AG-5A] QUANTIFICATION OF PRODUCTION / PARCELS - USE RIGHTS
Roster: PLOTS - USE RIGHTS
generated by list question s3aq03_a

plots2_a

[AG-5A] QUANTIFICATION OF PRODUCTION / PARCELS - USE RIGHTS / PLOTS - USE RIGHTS
Roster: CROPS
generated by multi-select question s4aq06_a

crops2_a

5.1. RECORD RESPONDENT FOR THIS CROP (%rostertitle%)	SINGLE-SELECT: LINKED	s5aq05_1_a
5.2. Is this crop harvested?	SINGLE-SELECT 01 ○ Yes, fully harvested 02 ○ Yes, partly harvested 03 ○ No	s5aq05_2_a

[AG-5A] QUANTIFICATION OF PRODUCTION / PARCELS - USE RIGHTS / PLOTS - USE RIGHTS / CROPS
SUBSECTION 5A
E s5aq05_2_a==1

6a. How much %rostertitle% did you harvest during the 1st season of 2017, and in what condition/state? Qty I IF THE ENTIRE CROP WAS LOST BEFORE HARVEST WRITE '00'	NUMERIC: DECIMAL -	s5aq06a_1_a

6b. Unit

F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optio ncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@ro [And 974 other symbols [13]](#)

E // harvested something s5aq06a_1_a>0

- 001 ○ Kilogram (KG)
- 009 ○ Sack (120 kgs)
- 010 ○ Sack (100 kgs)
- 012 ○ Sack (50 kgs)
- 014 ○ Jerrican (20 lts)
- 015 ○ Jerrican(10 lts)
- 016 ○ Jerrican (5 lts)
- 017 ○ Jerrican (3 lts)
- 018 ○ Jerrican (2 lts)
- 020 ○ Tin (20 lts)
- 021 ○ Tin (5 lts)
- 022 ○ Plastic Basin (15 lts)
- 029 ○ Kimbo/Cowboy/Blueband Tin (2 kg)
- 030 ○ Kimbo/Cowboy/Blueband Tin (1 kg)
- 031 ○ Kimbo/Cowboy/Blueband Tin (0.5 kg)
- 032 ○ Cup/Mug(0.5 lt)

[And 26 other symbols [46]](#)

6c. Condition / state

E // harvest not completely lost (s5aq06a_1_a>0)

SINGLE-SELECT   s5aq06c_1_a

- 11 ○ Green harvested - with shell/cob and with stalk
- 12 ○ Green harvested - with shell/cob without stalk
- 13 ○ Green harvested - in the cob
- 14 ○ Green harvested - in the pods
- 20 ○ Fresh/raw harvested - state not applicable
- 21 ○ Fresh/raw harvested - with shell/cob and with stalk
- 22 ○ Fresh/raw harvested - with shell/cob without stalk
- 23 ○ Fresh/raw harvested - in the cob
- 24 ○ Fresh/raw harvested - in pods
- 31 ○ Dry at harvest - with shell/cob and with stalk
- 32 ○ Dry at harvest - with shell
- 33 ○ Dry at harvest - in the cob
- 35 ○ Dry at harvest - grain
- 40 ○ Dry after additional drying - state not applicable
- 41 ○ Dry after additional drying - with shell and with stalk
- 42 ○ Dry after additional drying - with shell

[And 4 other symbols [47]](#)

6d. Conversion factor into kg?

E // harvest not completely lost (s5aq06a_1_a>0)

NUMERIC: DECIMAL   s5aq06d_1_a

‑ ‑

6e. In what month did the harvest begin?

E // harvest not completely lost (s5aq06a_1_a>0)

SINGLE-SELECT   s5aq06e_1_a

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

6e_1. In what year did the harvest begin? (YY)

E // harvest not completely lost (s5aq06a_1_a>0)

V1 // should be before start of interview s1bq02 >= new Dat
eTime((int) self,(int) s5aq06e_1_a,1)

M1 ERROR. The beginning of harvest should be before the date of intervie
w. Please correct.

NUMERIC: INTEGER   s5aq06e_1_1_a

- .

6f. In what month did the harvest end?

E // harvest not completely lost (s5aq06a_1_a>0)

SINGLE-SELECT   s5aq06f_1_a

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

6f_1. In what year did the harvest end? (YY)

E // harvest not completely lost (s5aq06a_1_a>0)

V1 // harvest end date (new DateTime((int) self,(int) s5aq0
6f_1_a,(int)1)) >= // comes later than harvest start (ne
w DateTime((int) s5aq06e_1_1_a,(int) s5aq06e_1_a,(int)1)
)

M1 ERROR. Harvest end must be AFTER harvest began. Please correct.

V2 // should be before start of interview s1bq02 >= new Dat
eTime((int) self,(int) s5aq06f_1_a,1)

M2 ERROR. The end of harvest should be before the interview date. Please
correct.

NUMERIC: INTEGER   s5aq06f_1_1_a

- .

6a1. Were the decisions concerning the use of the crop output made by a single HH member or made jointly by multiple HH members?

E // harvest not completely lost (s5aq06a_1_a>0)

SINGLE-SELECT   s5aq06a_1_1_a

- 01 ○ Single member
- 02 ○ Jointly

6a2. Who is the primary decision maker concerning the use of crop output?

E (s5aq06a_1_1_a==1)

SINGLE-SELECT: LINKED   s5aq06a_2_1_a

6a3. Who are the decision makers concerning the use of crop output? E (s5aq06a_1_1_a==2)	MULTI-SELECT: LINKED	s5aq06a_3_1_a

7a. How much of the %rostertitle% you harvested during the 1st season of 2017 was sold and in what condition/state? Quantity I IF NONE, WRITE 0 E // harvest not completely lost (s5aq06a_1_a>0)	NUMERIC: DECIMAL	s5aq07a_1_a

7b.Condition / state E // sold some harvest (s5aq07a_1_a >0) && // harvest not completely lost (s5aq06a_1_a>0)	SINGLE-SELECT	s5aq07b_1_a
	11 ◯ Green harvested - with shell/cob and with stalk	
	12 ◯ Green harvested - with shell/cob without stalk	
	13 ◯ Green harvested - in the cob	
	14 ◯ Green harvested - in the pods	
	20 ◯ Fresh/raw harvested - state not applicable	
	21 ◯ Fresh/raw harvested - with shell/cob and with stalk	
	22 ◯ Fresh/raw harvested - with shell/cob without stalk	
	23 ◯ Fresh/raw harvested - in the cob	
	24 ◯ Fresh/raw harvested - in pods	
	31 ◯ Dry at harvest - with shell/cob and with stalk	
	32 ◯ Dry at harvest - with shell	
	33 ◯ Dry at harvest - in the cob	
	35 ◯ Dry at harvest - grain	
	40 ◯ Dry after additional drying - state not applicable	
	41 ◯ Dry after additional drying - with shell and with stalk	
	42 ◯ Dry after additional drying - with shell	
	And 4 other symbols [48]	

7c. Unit

F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@ro
[And 974 other symbols [14]](#)

E // sold something s5aq07a_1_a>0

SINGLE-SELECT s5aq07c_1_a

- 001 ◯ Kilogram (KG)
- 009 ◯ Sack (120 kgs)
- 010 ◯ Sack (100 kgs)
- 012 ◯ Sack (50 kgs)
- 014 ◯ Jerrican (20 lts)
- 015 ◯ Jerrican(10 lts)
- 016 ◯ Jerrican (5 lts)
- 017 ◯ Jerrican (3 lts)
- 018 ◯ Jerrican (2 lts)
- 020 ◯ Tin (20 lts)
- 021 ◯ Tin (5 lts)
- 022 ◯ Plastic Basin (15 lts)
- 029 ◯ Kimbo/Cowboy/Blueband Tin (2 kg)
- 030 ◯ Kimbo/Cowboy/Blueband Tin (1 kg)
- 031 ◯ Kimbo/Cowboy/Blueband Tin (0.5 kg)
- 032 ◯ Cup/Mug(0.5 lt)

[And 26 other symbols [49]](#)

8. What was the value?

I UShs
E // sold some harvest (s5aq07a_1_a >0) && // harvest not completely lost (s5aq06a_1_a>0)

NUMERIC: INTEGER s5aq08_1_a

- .

9. Who bought the largest part?

E // sold some harvest (s5aq07a_1_a >0) && // harvest not completely lost (s5aq06a_1_a>0)

SINGLE-SELECT s5aq09_1_a

- 01 ◯ Government/ LC
- 02 ◯ Private trader in local market/ village
- 03 ◯ Private trader in district market
- 04 ◯ Consumer at market
- 05 ◯ Neighbor/ Relative
- 06 ◯ Other (specify)

9_oth. Specify who bought the largest part.

E (s5aq09_1_a==6) && (s5aq06a_1_a!=00)

TEXT s5aq09_1_oth_a

....

10. How much was spent on transport?

I UShs If none write 0
E (s5aq07a_1_a >0)
V1 self.InRange(0,3000)
M1 WARNING. Amount spent is higher than average. Please confirm your answer.

NUMERIC: INTEGER s5aq10_1_a

- .

11e.Were the decisions concerning the use of the earnings from the crop sales made by a single HH member or made jointly by multiple members?

E // sold some harvest (s5aq07a_1_a >0) && // harvest not completely lost (s5aq06a_1_a>0)

SINGLE-SELECT s5aq11e_1_a

- 01 ◯ single
- 02 ◯ jointly

11f. Who was the primary decision maker concerning the use of earnings from the crop sales?	SINGLE-SELECT: LINKED	s5aq11f_1_a
E // single decision-maker (s5aq11e_1_a==1) && // sold some harvest (s5aq07a_1_a >0) && // harvest not completely lost (s5aq06a_1_a>0)		
11. Who will be the decision makers concerning the use of earning from the crops?	MULTI-SELECT: LINKED	s5aq11g_1_a
E s5aq11e_1_a==2		
12. How much of the %rostertitle% harvested during the 1st cropping season of 2017 was given out as gifts or reimbursements for land, labour, oxen etc? Qty	NUMERIC: DECIMAL	s5aq12_1_a
E // harvest not completely lost (s5aq06a_1_a>0) V1 s5aq06a_1_a>=s5aq12_1_a M1 Cannot be greater than total harvest. Please correct.		
13.How much of the %rostertitle% harvested during the 1st cropping season of 2017 has already been consumed by your household?	NUMERIC: DECIMAL	s5aq13_1_a
I Quantity E // harvest not completely lost (s5aq06a_1_a>0) V1 s5aq06a_1_a>=s5aq13_1_a M1 Cannot be greater than total harvest. Please correct. V2 // harvest >= gifts + consumption s5aq06a_1_a >= s5aq12_1_a + self M2 ERROR. The reported quantities for gifts and household consumption are greater than the quantity harvested. Please correct.		
14a. How much of the %rostertitle% harvested during the 1st season of 2017 was used to produce processed food products for sale?	NUMERIC: DECIMAL	s5aq14a_1_a
I Quantity E // harvest not completely lost (s5aq06a_1_a>0) V1 s5aq06a_1_a>=s5aq14a_1_a M1 Cannot be greater than total harvest. Please correct. V2 // harvest >= gifts + consumption + sale s5aq06a_1_a >= s5aq12_1_a + s5aq13_1_a + self M2 ERROR. The total quantity reported--for gifts, consumption, and sale--is greater than the quantity harvested. Please correct.		
14b. How much of the %rostertitle% harvested during the 1st season of 2017 was used for animal feed?	NUMERIC: DECIMAL	s5aq14b_1_a
I Quantity E // harvest not completely lost (s5aq06a_1_a>0) V1 s5aq06a_1_a>=s5aq14b_1_a M1 Cannot be greater than total harvest. Please correct. V2 // harvest >= gifts + consumption + sale + feed s5aq06a_1_a >= s5aq12_1_a + s5aq13_1_a + s5aq14a_1_a + self M2 ERROR. The total quantity reported--for gifts, consumption, sale, and animal feed--is greater than the quantity harvested. Please correct.		

15. How much of the SEED from the %rostertitle% harvested during the 1st season of 2017 was saved for seed?

NUMERIC: DECIMAL s5aq15_1_a

I   Quantity
E   // harvest not completely lost (s5aq06a_1_a>0)
V1 s5aq06a_1_a>=self
M1 Cannot be greater than total harvest. Please correct.

---

16. What percentage of the %rostertitle% harvested during the 1st season of 2017 did you lose or waste after harvest?

NUMERIC: DECIMAL s5aq16_1_a

I   Percentage (%)
E   // harvest not completely lost (s5aq06a_1_a>0)
V1 self.InRange(0,100)
M1 The percentage must be between 0 and 100. Please correct.

---

17. What was the main reason for the loss?

SINGLE-SELECT s5aq17_1_a

01 ◯ Insects
02 ◯ Rodents
03 ◯ Flood
04 ◯ Stolen
06 ◯ Other (specify)

E   // lost some harvest (s5aq16_1_a>0) && // harvest not completely lost (s5aq06a_1_a>0)

17_oth. Specify the main reason for the loss.

TEXT s5aq17_1_oth_a

E   (s5aq17_1_a==6) && (s5aq06a_1_a!=00)

---

18. What is your main method of storage for this crop?

SINGLE-SELECT s5aq18_1_a

01 ◯ Locally made traditional structure
02 ◯ Improved locally made structure
03 ◯ Modern store
04 ◯ Sacks/ open drum
05 ◯ Airtight drum
06 ◯ Unprotected pile
07 ◯ In ceiling of dwelling
96 ◯ Other (specify)

E   // harvest not completely lost (s5aq06a_1_a>0)

18_oth. Specify your main method of storage for this crop (%rostertitle%).

TEXT s5aq18_1_oth_a

E   (s5aq18_1_a==96) && (s5aq06a_1_a!=00)

---

19. Did you do anything to protect the stored crop?

SINGLE-SELECT s5aq19_1_a

01 ◯ Yes
02 ◯ No

E   // harvest not completely lost (s5aq06a_1_a>0)

---

20. What did you do?

SINGLE-SELECT s5aq20_1_a

01 ◯ Spraying
02 ◯ Smoking
03 ◯ Other (specify)

E   // tried to protect stored harvest (s5aq19_1_a==1) && // harvest not completely lost (s5aq06a_1_a>0)

20_oth. Specify what you did to protect the stored crop.

TEXT s5aq20_1_oth_a

E   (s5aq20_1_a==3) && (s5aq06a_1_a!=00)

21. How much of the %rostertitle% harvested during the 1st season of 2017 is still being stored by your household? Qty	NUMERIC: DECIMAL	s5aq21_1_a

E // harvest not completely lost (s5aq06a_1_a>0)
V1 // harvest >= storage s5aq06a_1_a>=self
M1 ERROR. Cannot be greater than total harvest. Please correct.

22.In case there was no harvest,what was the main reason for the pre- harvest loss?

E // no harvest s5aq06a_1_a==0

SINGLE-SELECT   s5aq22_1_a
01 ◯ Pests
02 ◯ Animals
03 ◯ Floods
04 ◯ Drought
05 ◯ Hailstones
06 ◯ Other (Specify)

22_oth. Specify the main reason for the pre-harvest loss.

E (s5aq22_1_a==6)

TEXT   s5aq22_1_oth_a

23a. Did you harvest any %rostertitle% residues?

SINGLE-SELECT   s5aq23a_1_a
01 ◯ Yes - Harvested
02 ◯ No - Residues Left in the field
03 ◯ No - No residues

23b. What was the main use?

E // had crop residue s5aq23a_1_a.InRange(1,2)

SINGLE-SELECT   s5aq23b_1_a
01 ◯ Animal feed
02 ◯ Fuel
03 ◯ Thatching/ Other HH Items (e.g. Mats)
96 ◯ Other Specify

23b_oth. Specify the main use.

E (s5aq23b_1_a==96)

TEXT   s5aq23b_1_oth_a

[AG-5A] QUANTIFICATION OF PRODUCTION / PARCELS - USE RIGHTS / PLOTS - USE RIGHTS / CROPS
SUBSECTION 5B

E s5aq05_2_a==2

6a. How much %rostertitle% did you harvest during the 1st season of 2017 and in what condition/state?

Qty

NUMERIC: DECIMAL   s5bq06a_1_a

I IF THE ENTIRE CROP WAS LOST BEFORE HARVEST WRITE '00'

6b. Unit

F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@ro
And 974 other symbols [15]

E // harvested something s5bq06a_1_a>0

SINGLE-SELECT   s5bq06b_1_a

- 001 ○ Kilogram (KG)
- 009 ○ Sack (120 kgs)
- 010 ○ Sack (100 kgs)
- 012 ○ Sack (50 kgs)
- 014 ○ Jerrican (20 lts)
- 015 ○ Jerrican(10 lts)
- 016 ○ Jerrican (5 lts)
- 017 ○ Jerrican (3 lts)
- 018 ○ Jerrican (2 lts)
- 020 ○ Tin (20 lts)
- 021 ○ Tin (5 lts)
- 022 ○ Plastic Basin (15 lts)
- 029 ○ Kimbo/Cowboy/Blueband Tin (2 kg)
- 030 ○ Kimbo/Cowboy/Blueband Tin (1 kg)
- 031 ○ Kimbo/Cowboy/Blueband Tin (0.5 kg)
- 032 ○ Cup/Mug(0.5 lt)

And 26 other symbols [50]

6c. Condition / state

E // harvest not completely lost (s5bq06a_1_a>0)

SINGLE-SELECT   s5bq06c_1_a

- 11 ○ Green harvested - with shell/cob and with stalk
- 12 ○ Green harvested - with shell/cob without stalk
- 13 ○ Green harvested - in the cob
- 14 ○ Green harvested - in the pods
- 20 ○ Fresh/raw harvested - state not applicable
- 21 ○ Fresh/raw harvested - with shell/cob and with stalk
- 22 ○ Fresh/raw harvested - with shell/cob without stalk
- 23 ○ Fresh/raw harvested - in the cob
- 24 ○ Fresh/raw harvested - in pods
- 31 ○ Dry at harvest - with shell/cob and with stalk
- 32 ○ Dry at harvest - with shell
- 33 ○ Dry at harvest - in the cob
- 35 ○ Dry at harvest - grain
- 40 ○ Dry after additional drying - state not applicable
- 41 ○ Dry after additional drying - with shell and with stalk
- 42 ○ Dry after additional drying - with shell

And 4 other symbols [51]

6d. Conversion factor into kg?

E // harvest not completely lost (s5bq06a_1_a>0)

NUMERIC: DECIMAL   s5bq06d_1_a

- -

6e. In what month did harvest begin?

E // harvest not completely lost (s5bq06a_1_a>0)

SINGLE-SELECT   s5bq06e_1_a

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

6e_1. In what year did the harvest begin? (YY)

E   // harvest not completely lost (s5bq06a_1_a>0)
V1 // should be before start of interview s1bq02 >= new Dat
    eTime((int) self,(int) s5bq06e_1_a,1)
M1 ERROR. The beginning of harvest should be before the date of intervie
    w. Please correct.

NUMERIC: INTEGER   s5bq06e_1_1_a

- .

6f. In what month do you expect the harvest end?

E // harvest not completely lost (s5bq06a_1_a>0)

SINGLE-SELECT   s5bq06f_1_a

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

6f_1. In what year do you expect harvest end? (YY)

E   // harvest not completely lost (s5bq06a_1_a>0)
V1 // harvest end date (new DateTime((int) self,(int) s5bq0
    6f_1_a,(int)1)) >= // comes later than harvest start (ne
    w DateTime((int) s5bq06e_1_1_a,(int) s5bq06e_1_a,(int)1)
)
M1 ERROR. Harvest end must be AFTER harvest began. Please correct.
V2 // should be before start of interview s1bq02 >= new Dat
    eTime((int) self,(int) s5bq06f_1_a,1)
M2 ERROR. The end of harvest should be before the interview date. Please
    correct.

NUMERIC: INTEGER   s5bq06f_1_1_a

- .

6.g how much in percentage of the crop has been harvested?

E // harvest not completely lost (s5bq06a_1_a>0)

NUMERIC: DECIMAL   s5bq6g_a

- .

6b_1. How much %rostertitle% do you expect to still be harvest during the 1st season of 2017 and in what condition/state? F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@ro And 974 other symbols [16] E (s5bq06a_1_a>0)	SINGLE-SELECT s5bq6b_1_unit_a 001 ⭕ Kilogram (KG) 009 ⭕ Sack (120 kgs) 010 ⭕ Sack (100 kgs) 012 ⭕ Sack (50 kgs) 014 ⭕ Jerrican (20 lts) 015 ⭕ Jerrican(10 lts) 016 ⭕ Jerrican (5 lts) 017 ⭕ Jerrican (3 lts) 018 ⭕ Jerrican (2 lts) 020 ⭕ Tin (20 lts) 021 ⭕ Tin (5 lts) 022 ⭕ Plastic Basin (15 lts) 029 ⭕ Kimbo/Cowboy/Blueband Tin (2 kg) 030 ⭕ Kimbo/Cowboy/Blueband Tin (1 kg) 031 ⭕ Kimbo/Cowboy/Blueband Tin (0.5 kg) 032 ⭕ Cup/Mug(0.5 lt) And 26 other symbols [52]
6b_2. How much %rostertitle% do you expect to still be harvest during the 1st season of 2017 and in what condition/state? QTY E (s5bq06a_1_a>0)	NUMERIC: DECIMAL s5bq6b_1_qty_a ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ .
6b_3. How much %rostertitle% do you expect to still be harvest during the 1st season of 2017 and in what condition/state? condition E (s5bq06a_1_a>0)	SINGLE-SELECT s5bq6b_1_condition_a 11 ⭕ Green harvested - with shell/cob and with stalk 12 ⭕ Green harvested - with shell/cob without stalk 13 ⭕ Green harvested - in the cob 14 ⭕ Green harvested - in the pods 20 ⭕ Fresh/raw harvested - state not applicable 21 ⭕ Fresh/raw harvested - with shell/cob and with stalk 22 ⭕ Fresh/raw harvested - with shell/cob without stalk 23 ⭕ Fresh/raw harvested - in the cob 24 ⭕ Fresh/raw harvested - in pods 31 ⭕ Dry at harvest - with shell/cob and with stalk 32 ⭕ Dry at harvest - with shell 33 ⭕ Dry at harvest - in the cob 35 ⭕ Dry at harvest - grain 40 ⭕ Dry after additional drying - state not applicable 41 ⭕ Dry after additional drying - with shell and with stalk 42 ⭕ Dry after additional drying - with shell And 4 other symbols [53]
6b_4. Conversion factor into kg? E (s5bq06a_1_a>0)	TEXT s5bq6b_1_conversion_a ....

6a1. Were/will the decisions concerning the use of the crop output made by a single HH member or made jointly by multiple HH members?	SINGLE-SELECT	s5bq06a_1_1_a
	01 ◯ Single member	
E // harvest not completely lost (s5bq06a_1_a>0)	02 ◯ Jointly	

6a2.Who is the primary decision maker concerning the use of crop output?	SINGLE-SELECT: LINKED	s5bq06a_2_1_a
E // harvest not completely lost (s5bq06a_1_a>0) && // single decision-maker (s5bq06a_1_1_a==1)		

6a3.Who are the decision makers concerning the use of crop output?	MULTI-SELECT: LINKED	s5bq06a_3_1_a
E // multiple decision-makers (s5bq06a_1_1_a==2)		

7a. How much of the %rostertitle% you harvested during the 1st season of 2017 was sold and in what condition/state? Quantity	NUMERIC: DECIMAL	s5bq07a_1_a
I IF NONE, WRITE 0 E // harvest not completely lost (s5bq06a_1_a>0)	- .	

7b.Condition / state	SINGLE-SELECT	s5bq07b_1_a
E // sold some harvest (s5bq07a_1_a >0) && // harvest not completely lost (s5bq06a_1_a>0)	11 ◯ Green harvested - with shell/cob and with stalk	
	12 ◯ Green harvested - with shell/cob without stalk	
	13 ◯ Green harvested - in the cob	
	14 ◯ Green harvested - in the pods	
	20 ◯ Fresh/raw harvested - state not applicable	
	21 ◯ Fresh/raw harvested - with shell/cob and with stalk	
	22 ◯ Fresh/raw harvested - with shell/cob without stalk	
	23 ◯ Fresh/raw harvested - in the cob	
	24 ◯ Fresh/raw harvested - in pods	
	31 ◯ Dry at harvest - with shell/cob and with stalk	
	32 ◯ Dry at harvest - with shell	
	33 ◯ Dry at harvest - in the cob	
	35 ◯ Dry at harvest - grain	
	40 ◯ Dry after additional drying - state not applicable	
	41 ◯ Dry after additional drying - with shell and with stalk	
	42 ◯ Dry after additional drying - with shell	
	And 4 other symbols [54]	

7c. Unit	SINGLE-SELECT	s5bq07c_1_a

F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@ro
[And 974 other symbols [17]](#)

E `// sold something s5bq07a_1_a>0`

- 001 ○ Kilogram (KG)
- 009 ○ Sack (120 kgs)
- 010 ○ Sack (100 kgs)
- 012 ○ Sack (50 kgs)
- 014 ○ Jerrican (20 lts)
- 015 ○ Jerrican(10 lts)
- 016 ○ Jerrican (5 lts)
- 017 ○ Jerrican (3 lts)
- 018 ○ Jerrican (2 lts)
- 020 ○ Tin (20 lts)
- 021 ○ Tin (5 lts)
- 022 ○ Plastic Basin (15 lts)
- 029 ○ Kimbo/Cowboy/Blueband Tin (2 kg)
- 030 ○ Kimbo/Cowboy/Blueband Tin (1 kg)
- 031 ○ Kimbo/Cowboy/Blueband Tin (0.5 kg)
- 032 ○ Cup/Mug(0.5 lt)

[And 26 other symbols [55]](#)

---

8. What was the value?

I UShs
E `// sold some harvest (s5bq07a_1_a >0) && // harvest not completely lost (s5bq06a_1_a>0)`

NUMERIC: INTEGER s5bq08_1_a

`- - - - - - - - - - - - - - - - - - - - - - - .`

---

9. Who bought the largest part?

E `// sold some harvest (s5bq07a_1_a >0) && // harvest not completely lost (s5bq06a_1_a>0)`

SINGLE-SELECT s5bq09_1_a

- 01 ○ Government/ LC
- 02 ○ Private trader in local market/ village
- 03 ○ Private trader in district market
- 04 ○ Consumer at market
- 05 ○ Neighbor/ Relative
- 06 ○ Other (specify)

9_oth. Specify who bought the largest part.

E `(s5bq09_1_a==6) && (s5bq06a_1_a!=00)`

TEXT s5bq09_1_oth_a

`........................................................`

---

10. How much was spent on transport?

I UShs If none write 0
E `(s5bq07a_1_a >0)`
V1 `self.InRange(0,3000)`
M1 WARNING. Amount spent is higher than average. Please confirm your answer.

NUMERIC: INTEGER s5bq10_1_a

`- - - - - - - - - - - - - - - - - - - - - - - .`

11a. Do you expect more of the harvest to be sold?

E `(s5bq06a_1_a>0)`

SINGLE-SELECT s5bq11a_a

- 01 ○ Yes
- 02 ○ No

7a_1. How much of the %rostertitle% do you expect will still be sold and in what condition/state?

E `s5bq11a_a==1`

NUMERIC: INTEGER s5bq7a_1_qty_a

`- - - - - - - - - - - - - - - - - - - - - - - .`

7b_1. How much of the %rostertitle% do you expect will still be sold and in what condition/state? Condition:	SINGLE-SELECT s5bq7a_1_cond_a
E s5bq11a_a==1	11 ◯ Green harvested - with shell/cob and with stalk
	12 ◯ Green harvested - with shell/cob without stalk
	13 ◯ Green harvested - in the cob
	14 ◯ Green harvested - in the pods
	20 ◯ Fresh/raw harvested - state not applicable
	21 ◯ Fresh/raw harvested - with shell/cob and with stalk
	22 ◯ Fresh/raw harvested - with shell/cob without stalk
	23 ◯ Fresh/raw harvested - in the cob
	24 ◯ Fresh/raw harvested - in pods
	31 ◯ Dry at harvest - with shell/cob and with stalk
	32 ◯ Dry at harvest - with shell
	33 ◯ Dry at harvest - in the cob
	35 ◯ Dry at harvest - grain
	40 ◯ Dry after additional drying - state not applicable
	41 ◯ Dry after additional drying - with shell and with stalk
	42 ◯ Dry after additional drying - with shell
	And 4 other symbols [56]

7C_1: Unit Code	SINGLE-SELECT s5bq7a_1_unit_a
F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@ro And 974 other symbols [18]	001 ◯ Kilogram (KG)
	009 ◯ Sack (120 kgs)
	010 ◯ Sack (100 kgs)
E s5bq11a_a==1	012 ◯ Sack (50 kgs)
	014 ◯ Jerrican (20 lts)
	015 ◯ Jerrican(10 lts)
	016 ◯ Jerrican (5 lts)
	017 ◯ Jerrican (3 lts)
	018 ◯ Jerrican (2 lts)
	020 ◯ Tin (20 lts)
	021 ◯ Tin (5 lts)
	022 ◯ Plastic Basin (15 lts)
	029 ◯ Kimbo/Cowboy/Blueband Tin (2 kg)
	030 ◯ Kimbo/Cowboy/Blueband Tin (1 kg)
	031 ◯ Kimbo/Cowboy/Blueband Tin (0.5 kg)
	032 ◯ Cup/Mug(0.5 lt)
	And 26 other symbols [57]

8_1: What is the total value expected from the future sell?	NUMERIC: INTEGER s5bq8_1_a
E s5bq11a_a==1	- -

11e.Were/will the decisions concerning the use of the earnings from the crop sales made by a single HH member or made jointly by multiple members?	SINGLE-SELECT 01 ◯ single 02 ◯ jointly	s5bq11e_1_a
E // sold some harvest (s5bq07a_1_a >0) && // harvest not completely lost (s5bq06a_1_a>0)		

11f. Who was/will be the primary decision maker concerning the use of earnings from the crop sales?	SINGLE-SELECT: LINKED	s5bq11f_1_a
E // single decision-maker (s5bq11e_1_a==1) && // sold some harvest (s5bq07a_1_a >0) && // harvest not completely lost (s5bq06a_1_a>0)		

11. Who were/will be the decision makers concerning the use of earning from the crops?	MULTI-SELECT: LINKED	s5bq11g_1_a
E (s5bq11e_1_a==2)		

12. How much of the %rostertitle% harvested during the 1st cropping season of 2017 was given out as gifts or reimbursements for land, labour, oxen etc? **Qty**	NUMERIC: DECIMAL - .	s5bq12_1_a
E // harvest not completely lost (s5bq06a_1_a>0) V1 s5bq06a_1_a>=s5bq12_1_a M1 Cannot be greater than total harvest. Please correct.		

13.How much of the %rostertitle% harvested during the 1st cropping season of 2017 has already been consumed by your household?	NUMERIC: DECIMAL - .	s5bq13_1_a
I Quantity E // harvest not completely lost (s5bq06a_1_a>0) V1 s5bq06a_1_a>=s5bq13_1_a M1 Cannot be greater than total harvest. Please correct. V2 // harvest >= gifts + consumption s5bq06a_1_a >= s5bq12_1_a + self M2 ERROR. The reported quantities for gifts and household consumption are greater than the quantity harvested. Please correct.		

14a. How much of the %rostertitle% harvested during the 1st season of 2017 was used to produce processed food products for sale?	NUMERIC: DECIMAL - .	s5bq14a_1_a
I Quantity E // harvest not completely lost (s5bq06a_1_a>0) V1 s5bq06a_1_a>=s5bq14a_1_a M1 Cannot be greater than total harvest. Please correct. V2 // harvest >= gifts + consumption + sale s5bq06a_1_a >= s5bq12_1_a + s5bq13_1_a + self M2 ERROR. The total quantity reported--for gifts, consumption, and sale--is greater than the quantity harvested. Please correct.		

14b. How much of the %rostertitle% harvested during the 1st season of 2017 was used for animal feed?	NUMERIC: DECIMAL - .	s5bq14b_1_a
I Quantity E // harvest not completely lost (s5bq06a_1_a>0) V1 s5bq06a_1_a>=s5bq14b_1_a M1 Cannot be greater than total harvest. Please correct. V2 // harvest >= gifts + consumption + sale + feed s5bq06a_1_a >= s5bq12_1_a + s5bq13_1_a + s5bq14a_1_a + self M2 ERROR. The total quantity reported--for gifts, consumption, sale, and animal feed--is greater than the quantity harvested. Please correct.		

15. How much of the SEED from the %rostertitle% harvested during the 1st season of 2017 was saved for seed?	NUMERIC: DECIMAL s5bq15_1_a
I Quantity E // harvest not completely lost (s5bq06a_1_a>0) V1 s5bq06a_1_a>=self M1 Cannot be greater than total harvest. Please correct.	- .

16. What percentage of the %rostertitle% harvested during the 1st season of 2017 did you lose or waste after harvest?	NUMERIC: DECIMAL s5bq16_1_a
I Percentage (%) E // harvest not completely lost (s5bq06a_1_a>0) V1 self.InRange(0,100) M1 The percentage must be between 0 and 100. Please correct.	- .

17. What was the main reason for the loss?	SINGLE-SELECT s5bq17_1_a
E // lost some harvest (s5bq16_1_a>0) && // harvest not completely lost (s5bq06a_1_a>0)	01 ◯ Insects 02 ◯ Rodents 03 ◯ Flood 04 ◯ Stolen 06 ◯ Other (specify)

17_oth. Specify the main reason for the loss.	TEXT s5bq17_1_oth_a
E (s5bq17_1_a==6) && (s5bq06a_1_a!=00)	....

18. What is your main method of storage for this crop?	SINGLE-SELECT s5bq18_1_a
E // harvest not completely lost (s5bq06a_1_a>0)	01 ◯ Locally made traditional structure 02 ◯ Improved locally made structure 03 ◯ Modern store 04 ◯ Sacks/ open drum 05 ◯ Airtight drum 06 ◯ Unprotected pile 07 ◯ In ceiling of dwelling 96 ◯ Other (specify)

18_oth. Specify your main method of storage for this crop (%rostertitle%).	TEXT s5bq18_1_oth_a
E (s5bq18_1_a==96) && (s5bq06a_1_a!=00)	....

19. Did you do anything to protect the stored crop?	SINGLE-SELECT s5bq19_1_a
E // harvest not completely lost (s5bq06a_1_a>0)	01 ◯ Yes 02 ◯ No

20. What did you do?	SINGLE-SELECT s5bq20_1_a
E // tried to protect stored harvest (s5bq19_1_a==1) && // harvest not completely lost (s5bq06a_1_a>0)	01 ◯ Spraying 02 ◯ Smoking 03 ◯ Other (specify)

20_oth. Specify what you did to protect the stored crop.	TEXT s5bq20_1_oth_a
E (s5bq20_1_a==3) && (s5bq06a_1_a!=00)	....

21. How much of the %rostertitle% harvested during the 1st season of 2017 is still being stored by your household? Qty	NUMERIC: DECIMAL s5bq21_1_a
E // harvest not completely lost (s5bq06a_1_a>0) V1 // harvest >= storage s5bq06a_1_a>=self M1 ERROR. Cannot be greater than total harvest. Please correct.	- -
22.In case there was no harvest,what was the main reason for the pre- harvest loss? E // no harvest s5bq06a_1_a==0	SINGLE-SELECT s5bq22_1_a 01 ◯ Pests 02 ◯ Animals 03 ◯ Floods 04 ◯ Drought 05 ◯ Hailstones 06 ◯ Other (Specify)
22_oth. Specify the main reason for the pre-harvest loss. E (s5bq22_1_a==6)	TEXT s5bq22_1_oth_a ....
23a. Did you harvest any %rostertitle% residues?	SINGLE-SELECT s5bq23a_1_a 01 ◯ Yes - Harvested 02 ◯ No - Residues Left in the field 03 ◯ No - No residues
23b. What was the main use? E // had crop residue s5bq23a_1_a.InRange(1,2)	SINGLE-SELECT s5bq23b_1_a 01 ◯ Animal feed 02 ◯ Fuel 03 ◯ Thatching/ Other HH Items (e.g. Mats) 96 ◯ Other Specify
23b_oth. Specify the main use. E (s5bq23b_1_a==96)	TEXT s5bq23b_1_oth_a ....

[AG-5A] QUANTIFICATION OF PRODUCTION / PARCELS - USE RIGHTS / PLOTS - USE RIGHTS / CROPS
SUBSECTION 5C
E s5aq05_2_a==3

6a. How much %rostertitle% do you expect to be harvested during the 1st season of 2017 and in what condition/state? Qty	NUMERIC: DECIMAL s5cq06a_1_a -
I IF THE ENTIRE CROP WAS LOST BEFORE HARVEST WRITE '00'	

6b. Unit

F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@ro
And 974 other symbols [19]

- 001 ○ Kilogram (KG)
- 009 ○ Sack (120 kgs)
- 010 ○ Sack (100 kgs)
- 012 ○ Sack (50 kgs)
- 014 ○ Jerrican (20 lts)
- 015 ○ Jerrican(10 lts)
- 016 ○ Jerrican (5 lts)
- 017 ○ Jerrican (3 lts)
- 018 ○ Jerrican (2 lts)
- 020 ○ Tin (20 lts)
- 021 ○ Tin (5 lts)
- 022 ○ Plastic Basin (15 lts)
- 029 ○ Kimbo/Cowboy/Blueband Tin (2 kg)
- 030 ○ Kimbo/Cowboy/Blueband Tin (1 kg)
- 031 ○ Kimbo/Cowboy/Blueband Tin (0.5 kg)
- 032 ○ Cup/Mug(0.5 lt)

And 26 other symbols [58]

6c. Condition / state

- 11 ○ Green harvested - with shell/cob and with stalk
- 12 ○ Green harvested - with shell/cob without stalk
- 13 ○ Green harvested - in the cob
- 14 ○ Green harvested - in the pods
- 20 ○ Fresh/raw harvested - state not applicable
- 21 ○ Fresh/raw harvested - with shell/cob and with stalk
- 22 ○ Fresh/raw harvested - with shell/cob without stalk
- 23 ○ Fresh/raw harvested - in the cob
- 24 ○ Fresh/raw harvested - in pods
- 31 ○ Dry at harvest - with shell/cob and with stalk
- 32 ○ Dry at harvest - with shell
- 33 ○ Dry at harvest - in the cob
- 35 ○ Dry at harvest - grain
- 40 ○ Dry after additional drying - state not applicable
- 41 ○ Dry after additional drying - with shell and with stalk
- 42 ○ Dry after additional drying - with shell

And 4 other symbols [59]

6d. Conversion factor into kg?

- -

6e. In what month do you expect the harvest begin?	SINGLE-SELECT	s5cq06e_1_a
	01 ◯ January	
	02 ◯ February	
	03 ◯ March	
	04 ◯ April	
	05 ◯ May	
	06 ◯ June	
	07 ◯ July	
	08 ◯ August	
	09 ◯ September	
	10 ◯ October	
	11 ◯ November	
	12 ◯ December	

6e_1. In what year do you expect the harvest begin? (YY)	NUMERIC: INTEGER	s5cq06e_1_1_a
V1 `// should be before start of interview s1bq02 >= new Dat eTime((int) self,(int) s5cq06e_1_a,1)`	‑ ‑ ‑ ‑ ‑ ‑ ‑ ‑ ‑ ‑ ‑ ‑ ‑ ‑ ‑ .	
M1 ERROR. The beginning of harvest should be before the date of interview. Please correct.		

6f. In what month do you expect the harvest end?	SINGLE-SELECT	s5cq06f_1_a
	01 ◯ Jan	
	02 ◯ Feb	
	03 ◯ Mar	
	04 ◯ Apr	
	05 ◯ May	
	06 ◯ Jun	
	07 ◯ Jul	
	08 ◯ Aug	
	09 ◯ Sep	
	10 ◯ Oct	
	11 ◯ Nov	
	12 ◯ Dec	

6f_1. In what year do you expect the harvest end? (YY)	NUMERIC: INTEGER	s5cq06f_1_1_a
V1 `// harvest end date (new DateTime((int) self,(int) s5cq06f_1_a,(int)1)) >= // comes later than harvest start (ne w DateTime((int) s5cq06e_1_1_a,(int) s5cq06e_1_a,(int)1))`	‑ ‑ ‑ ‑ ‑ ‑ ‑ ‑ ‑ ‑ ‑ ‑ ‑ ‑ ‑ .	
M1 ERROR. Harvest end must be AFTER harvest began. Please correct.		

6a1. Will the decisions concerning the use of the crop output made by a single HH member or made jointly by multiple HH members?	SINGLE-SELECT	s5cq06a_1_1_a
	01 ◯ Single member	
	02 ◯ Jointly	

6a2. Who is the primary decision maker concerning the use of crop output?	SINGLE-SELECT: LINKED	s5cq06a_2_1_a
E `// single decision-maker (s5cq06a_1_1_a==1)`		

6a3. Who are the decision makers concerning the use of crop output?	MULTI-SELECT: LINKED	s5cq06a_3_1_a
E `s5cq06a_1_1_a==2`		

7a. How much of the %rostertitle% do you expect to sell and in what condition/state? Quantity I IF NONE, WRITE 0	NUMERIC: DECIMAL s5cq07a_1_a –
7b. Condition / state E // sold some harvest (s5cq07a_1_a >0)	SINGLE-SELECT s5cq07b_1_a 11 ⭘ Green harvested - with shell/cob and with stalk 12 ⭘ Green harvested - with shell/cob without stalk 13 ⭘ Green harvested - in the cob 14 ⭘ Green harvested - in the pods 20 ⭘ Fresh/raw harvested - state not applicable 21 ⭘ Fresh/raw harvested - with shell/cob and with stalk 22 ⭘ Fresh/raw harvested - with shell/cob without stalk 23 ⭘ Fresh/raw harvested - in the cob 24 ⭘ Fresh/raw harvested - in pods 31 ⭘ Dry at harvest - with shell/cob and with stalk 32 ⭘ Dry at harvest - with shell 33 ⭘ Dry at harvest - in the cob 35 ⭘ Dry at harvest - grain 40 ⭘ Dry after additional drying - state not applicable 41 ⭘ Dry after additional drying - with shell and with stalk 42 ⭘ Dry after additional drying - with shell And 4 other symbols [60]
7c. Unit F @optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 || @optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@ro And 974 other symbols [20] E // sold something s5cq07a_1_a>0	SINGLE-SELECT s5cq07c_1_a 001 ⭘ Kilogram (KG) 009 ⭘ Sack (120 kgs) 010 ⭘ Sack (100 kgs) 012 ⭘ Sack (50 kgs) 014 ⭘ Jerrican (20 lts) 015 ⭘ Jerrican(10 lts) 016 ⭘ Jerrican (5 lts) 017 ⭘ Jerrican (3 lts) 018 ⭘ Jerrican (2 lts) 020 ⭘ Tin (20 lts) 021 ⭘ Tin (5 lts) 022 ⭘ Plastic Basin (15 lts) 029 ⭘ Kimbo/Cowboy/Blueband Tin (2 kg) 030 ⭘ Kimbo/Cowboy/Blueband Tin (1 kg) 031 ⭘ Kimbo/Cowboy/Blueband Tin (0.5 kg) 032 ⭘ Cup/Mug(0.5 lt) And 26 other symbols [61]
7d. Conversion factor into kg? E // sold something s5cq07a_1_a>0	NUMERIC: DECIMAL s5cq07d_1_a –

8. What is the total value expected from the future sell? I UShs E // sold some harvest (s5cq07a_1_a >0)	NUMERIC: INTEGER ------------------------------------ .	s5cq08_1_a
11e.Will the decisions concerning the use of the earnings from the crop sales made by a single HH member or made jointly by multiple members? E // sold some harvest (s5cq07a_1_a >0)	SINGLE-SELECT 01 ◯ single 02 ◯ jointly	s5cq11e_1_a
11f. Who will be the primary decision maker concerning the use of earnings from the crop sales? E // single decision-maker (s5cq11e_1_a==1) && // sold some harvest (s5cq07a_1_a >0)	SINGLE-SELECT: LINKED	s5cq11f_1_a
11. Who will be the decision makers concerning the use of earning from the crops? E s5cq11e_1_a==2	MULTI-SELECT: LINKED	s5cq11g_1_a

[AG-6A] CATTLE AND PACK ANIMALS

E `// livestock filter s19q2==1`

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	ag6a_respondent

1. Has any member of your household raised or owned cattle and pack animals during the last 12 months?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	s6aq01

2. During the last 12 months, has any member of your household raised or owned any..... E s6aq01==1 V1 `// must have at least 1 yes if all yes/no have been answered self.Missing.Length==0 ? self.Yes.Length>=1 : true` M1 Household must have raised or owned at least 1 of these animal types based on previous response	MULTI-SELECT: YES/NO 01 ☐ / ☐ EXOTIC/CROSS - Calves 02 ☐ / ☐ EXOTIC/CROSS - Bulls 03 ☐ / ☐ EXOTIC/CROSS - Oxen 04 ☐ / ☐ EXOTIC/CROSS - Heifers 05 ☐ / ☐ EXOTIC/CROSS - Cows 06 ☐ / ☐ INDIGENOUS - Calves 07 ☐ / ☐ INDIGENOUS - Bulls 08 ☐ / ☐ INDIGENOUS - Oxen 09 ☐ / ☐ INDIGENOUS - Heifers 10 ☐ / ☐ INDIGENOUS - Cows 11 ☐ / ☐ INDIGENOUS - Donkeys/mules 12 ☐ / ☐ INDIGENOUS - Horses	s6aq02

[AG-6A] CATTLE AND PACK ANIMALS
Roster: CATTLE AND PACK ANIMALS
generated by multi-select question s6aq02

s6a_roster

3a. How many %rostertitle% are owned by your household now (present at your farm or away)? I NUMBER IF NONE, WRITE 0	NUMERIC: INTEGER - .	s6aq03a

3bc. Who owns the %rostertitle%? I Record all Person IDs E s6aq03a>0	MULTI-SELECT: LINKED	s6aq03bc

3de. Who keeps the %rostertitle% that your household owns? I Record all Person IDs E s6aq03a>0	MULTI-SELECT: ORDERED, LINKED	s6aq03de

4a. How many %rostertitle% are kept but not owned by your household now? I IF NONE, WRITE 0	NUMERIC: INTEGER - .	s6aq04a

4bc. Who keeps the %rostertitle% that your household keeps but not owns? I Record all Person IDs E s6aq04a>0	MULTI-SELECT: LINKED	s6aq04bc

5a. Has your household hired any labour for keeping/herding %rostertitle% in the last 12 months? I IF NONE, WRITE 0	SINGLE-SELECT s6aq05a 01 ◯ Yes 02 ◯ No
5b. What is the main type of labour employed while keeping %rostertitle%? E // hired labor s6aq05a==1	SINGLE-SELECT s6aq05b 01 ◯ Family 02 ◯ Hired Casual 03 ◯ Hired Permanent
5c. How much did you pay to the paid labour for keeping/herding %rostertitle% in the last 12 months? I In Ush E // hired labor s6aq05a==1	NUMERIC: INTEGER s6aq05c ------------------------------- --
6. How many %rostertitle% did you own exactly 12 months ago (present or away)?	NUMERIC: INTEGER s6aq06 ------------------------------- --
7. Did you buy any %rostertitle% to raise during the last 12 months? I IF NONE, WRITE 0	NUMERIC: INTEGER s6aq07 ------------------------------- --
8. What was, on average, the value of each %rostertitle% bought? I Ush E s6aq07>0	NUMERIC: INTEGER s6aq08 ------------------------------- --
9. Did you sell any alive %rostertitle% during the last 12 months? I IF NONE, WRITE 0	NUMERIC: INTEGER s6aq09 ------------------------------- --
10. What was, on average, the value of %rostertitle% sold? I IF NONE, WRITE 0 E s6aq09>0	NUMERIC: INTEGER s6aq10 ------------------------------- --

[AG-6B] SMALL ANIMALS

E `// livestock filter s19q2==1`

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED ag6b_respondent
1. Has any member of your household raised or owned small animals during the last 6 months?	SINGLE-SELECT s6bq01 01 ◯ Yes 02 ◯ No
2. During the last 6 months, has any member of your household raised or owned any...? E `s6bq01==1` V1 `// must have at least 1 yes self.Missing.Length==0 ? self.Yes.Length>=1 : true` M1 Household must have raised or owned at least 1 of these animal types based on previous response	MULTI-SELECT: YES/NO s6bq02 13 ☐ / ☐ EXOTIC/CROSS - Male goats 14 ☐ / ☐ EXOTIC/CROSS - Female goats 15 ☐ / ☐ EXOTIC/CROSS - Male sheep 16 ☐ / ☐ EXOTIC/CROSS - Female sheep 17 ☐ / ☐ EXOTIC/CROSS - Pigs 18 ☐ / ☐ INDIGENOUS - Male goats 19 ☐ / ☐ INDIGENOUS - Female goats 20 ☐ / ☐ INDIGENOUS - Male sheep 21 ☐ / ☐ INDIGENOUS - Female sheep 22 ☐ / ☐ INDIGENOUS - Pigs

[AG-6B] SMALL ANIMALS
Roster: SMALL ANIMALS
generated by multi-select question s6bq02

s6b_roster

3a. How many %rostertitle% are owned by your household now (present at your farm or away)? I IF NONE, WRITE 0	NUMERIC: INTEGER s6bq03a `- - - - - - - - - - - - - - - - - - - - - - - - - - - - .`
3bc. Who owns the %rostertitle%? I Record all Person IDs E `s6bq03a>0`	MULTI-SELECT: LINKED s6bq03bc
3de. Who keeps the %rostertitle% that your household owns? I Record all Person IDs E `s6bq03a>0`	MULTI-SELECT: LINKED s6bq3de
4a. How many %rostertitle% are kept but not owned by your household now? I IF NONE, WRITE 0	NUMERIC: INTEGER s6bq04a `- - - - - - - - - - - - - - - - - - - - - - - - - - - - .`
4bc. Who keeps the %rostertitle% that your household keeps but not owns? I Record all Person IDs E `s6bq04a>0`	MULTI-SELECT: LINKED s6bq04bc

5a. Has your household hired any labour for keeping / herding %rostertitle% in the last 6 months? I IF NONE, WRITE 0	NUMERIC: INTEGER s6bq05a -
5b. What is the main type of labour employed while keeping %rostertitle%? E s6bq05a>0	SINGLE-SELECT s6b05b 01 ◯ Family 02 ◯ Hired Casual 03 ◯ Hire Permanent
5c. How much did you pay to the paid labour for keeping/herding %rostertitle% in the last 6 months? I In Ush E s6bq05a>0	NUMERIC: DECIMAL s6bq05c -
6. How many %rostertitle% did you own exactly 6 months ago (present or away)?	NUMERIC: INTEGER s6bq06 -
7. Did you buy any %rostertitle% to raise during the last 6 months? I IF NONE, WRITE 0	NUMERIC: INTEGER s6bq07 -
8. What was, on average, the value of each %rostertitle% bought? I IF NONE, WRITE 0 E s6bq07>0	NUMERIC: INTEGER s6bq08 -
9. Did you sell any alive %rostertitle% during the last 6 months? I IF NONE, WRITE 0	NUMERIC: INTEGER s6bq09 -
10. What was, on average, the value of each %rostertitle% sold? I IF NONE, WRITE 0 E s6bq09>0	NUMERIC: INTEGER s6bq10 -

[AG-6C] POULTRY & OTHERS

E `// livestock filter s19q2==1`

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	ag6c_respondent

1. Has any member of your household raised or owned rabbits, poultry, or other domestic birds during the last 3 months?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	s6cq01

During the last 3 months, has any member of your household raised or owned any… E `s6cq01==1` V1 `// must have at least 1 yes self.Missing.Length==0 ? self.Yes.Length>=1 : true` M1 Error: Inconsistency. Household must have raised or owned at least 1 of these animal types based on previous response	MULTI-SELECT: YES/NO 23 ☐ / ☐ Indigenous dual-purpose chicken 24 ☐ / ☐ Layers (exotic/cross chicken) 25 ☐ / ☐ Broilers (Exotic/cross chicken) 26 ☐ / ☐ Other poultry and birds (turkeys / ducks / geese) 27 ☐ / ☐ Rabbits	s6cq02a

[AG-6C] POULTRY & OTHERS
Roster: POULTRY & OTHERS
generated by multi-select question s6cq02a

s6c_roster

E `s6cq02a.Missing.Length==0`

3a. How many %rostertitle% are owned by your household now (present at your farm or away)? If none write 0	NUMERIC: INTEGER - - - - - - - - - - - - - - - - - - .	s6cq03a

3bc. Who owns the %rostertitle%? Record all Person IDs E `s6cq03a>0`	MULTI-SELECT: LINKED	s6cq03bc

3de. Who keeps the %rostertitle% that your household owns? Record all Person IDs E `s6cq03a>0`	MULTI-SELECT: LINKED	s6cq03de

4a. How many %rostertitle% are kept but not owned by your household now? If none write 0	NUMERIC: INTEGER - - - - - - - - - - - - - - - - - - .	s6cq04a

4bc. Who keeps the %rostertitle% that your household keeps but not owns? E `s6cq04a>0`	MULTI-SELECT: LINKED	s6cq04bc

5a. Has your household hired any labour for keeping / herding %rostertitle% in the last 3 months? If none write 0	NUMERIC: INTEGER - - - - - - - - - - - - - - - - - - .	s6cq05a

5b. What is the main type of labour employed while keeping %rostertitle%? E `s6cq05a>0`	SINGLE-SELECT 01 ◯ Family 02 ◯ Hired Casual 03 ◯ Hire Permanent	s6cq05b

5c. How much did you pay to the paid labour for keeping/herding %rostertitle% in the last 3 months? In Ush

E   s6cq05a>0

NUMERIC: DECIMAL   s6cq05c

- -

[AG-7A] LIVESTOCK PRODUCTION - MEAT

E `// livestock filter s19q2==1`

VARIABLE `(s6aq02.Yes.ContainsAny(1,2,3,4,5)) ? 1:0`	LONG	meat_exotic
VARIABLE `(s6aq02.Yes.ContainsAny(6,7,8,9,10,11,12)) ? 1:0`	LONG	meat_indigenous
VARIABLE `(s6bq02.Yes.ContainsAny(13,14,15,16)) ? 1:0`	LONG	meat_exotic_small
VARIABLE `(s6bq02.Yes.ContainsAny(18,19,20,21)) ? 1:0`	LONG	meat_indigenous_small
VARIABLE `(s6bq02.Yes.Contains(17)) ? 1:0`	LONG	exotic_pigs
VARIABLE `(s6cq02a.Yes.ContainsAny(24,25)) ? 1:0`	LONG	exotic_poultry
VARIABLE `(s6cq02a.Yes.ContainsAny(23,26,27)) ? 1:0`	LONG	indigenous_poultry
VARIABLE `(s6bq02.Yes.Contains(22)) ? 1:0`	LONG	indigenous_pigs
Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	ag7a_respondent

[AG-7A] LIVESTOCK PRODUCTION - MEAT

Roster: LIVESTOCK PRODUCTION – MEAT
generated by fixed list

s7a_roster

- 101 EXOTIC/CROSS - Large ruminants
- 102 EXOTIC/CROSS - Small ruminants
- 103 EXOTIC/CROSS - Poultry
- 104 EXOTIC/CROSS - Pigs
- 105 INDIGENOUS - Large ruminants
- 106 INDIGENOUS - Small ruminants
- 107 INDIGENOUS - Poultry
- 108 INDIGENOUS - Pigs

E `(@rowcode==101 && meat_exotic==1) || (@rowcode==105 && meat_indigenous==1) || (@rowcode==102 && meat_exotic_small==1) || (@rowcode==103 && exotic_poultry==1) || (@rowcode==104 && exotic_pigs==1) || (` And 127 other symbols [4]

VARIABLE `(@rowcode==101 || @rowcode==105) ? "12 Months":// (@rowcode==102 || @rowcode==106 || @rowcode ==104 || @rowcode ==108) ? "6 Months" :// "3 Months"`	STRING	ref_period
1. How many %rostertitle% were slaughtered for meat in the last recall period? (%ref_period%)	NUMERIC: INTEGER	s7aq01

I (12 mths Large ruminants, 6 mths small ruminants, 3 mths poultry)
E `(@rowcode==101 && meat_exotic==1) || (@rowcode==105 && meat_indigenous==1) || (@rowcode==102 && meat_exotic_small==1) || (@rowcode==103 && exotic_poultry==1) || (@rowcode==104 && exotic_pigs==1) || (` And 127 other symbols [3]

2. How much has this household earned by selling %rostertitle% meat in the past recall period In Ush? (%ref_period%) E s7aq01>0	NUMERIC: INTEGER	s7aq02
3ab. Who controls the revenue from this product? Record up to 2 IDs E s7aq01>0	MULTI-SELECT: LINKED	s7aq03ab

[AG-7B] LIVESTOCK PRODUCTION - MILK

E `// livestock filter s19q2==1`

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	ag7b_respondent

[AG-7B] LIVESTOCK PRODUCTION - MILK
Roster: LIVESTOCK PRODUCTION – MILK
generated by fixed list

s7b_roster

101	EXOTIC/CROSS - Large ruminants
102	EXOTIC/CROSS - Small ruminants
105	INDIGENOUS - Large ruminants
106	INDIGENOUS - Small ruminants

VARIABLE `(@rowcode==101 || @rowcode==105) ? "12 Months":"6 Months "`	STRING	ref_period_milk

1. How many %rostertitle% were milked in the last %ref_period_milk%?

E `(@rowcode==101 && meat_exotic==1) || (@rowcode==105 && meat_indigenous==1) || (@rowcode==102 && meat_exotic_small==1) || (@rowcode==106 && meat_indigenous_small==1)`

NUMERIC: INTEGER — s7bq01

---

2. How many MONTHS on average, were %rostertitle% milked for?

E `s7bq01>0`
V1 `self.InRange(1,12)`
M1 The number of months must be between 1 and 12. Please correct.

NUMERIC: INTEGER — s7bq02

---

3. What was the average %rostertitle% milk production per day per milked animal, DURING THIS PERIOD? LITRES/DAY

INCLUDE ALL CONSUMED, SOLD AND PROCESSED MILK

E `s7bq01>0`

NUMERIC: DECIMAL — s7bq03

---

4. DURING THIS PERIOD, how much of the milk produced by %rostertitle% was consumed by your household EACH DAY in the form of LIQUID milk? LITRES/DAY

E `s7bq01>0`
V1 `self <= s7bq03`
M1 ERROR. Cannot consume more milk than was produced. Please correct.

NUMERIC: DECIMAL — s7bq04

---

5. DURING THIS PERIOD, how many litres of %rostertitle% liquid milk did you sell per day? LITRES/DAY

E `s7bq01>0`
V1 `self <= s7bq03`
M1 ERROR. Cannot sell more milk than produced. Please correct.

NUMERIC: DECIMAL — s7bq05

6. DURING THIS PERIOD, how much of the milk produced by %rostertitle% did you convert EACH DAY into processed dairy products? LITRES/DAY E s7bq01>0	NUMERIC: DECIMAL s7bq06 _ . _
7. DURING THIS PERIOD, how much of this production of processed dairy products did you sell per day? LITRES/DAY E s7bq06>0	NUMERIC: INTEGER s7bq07 _ . _
8. How much has this household earned by selling %rostertitle% milk AND DAIRY PRODUCTS in the past 12 months? In Ush E //milked s7bq01>0	NUMERIC: INTEGER s7bq08 _ . _
9ab. Who controls the revenue from this product? E //milked s7bq01>0	MULTI-SELECT: LINKED s7bq9a

[AG-8] ANIMAL POWER

E `// livestock filter s19q2==1`

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	ag8_respondent

---

[AG-8] ANIMAL POWER
Roster: ANIMAL POWER
generated by fixed list

s11_roster

101	EXOTIC/CROSS - Large ruminants
102	EXOTIC/CROSS - Small ruminants
103	EXOTIC/CROSS - Poultry
104	EXOTIC/CROSS - Pigs
105	INDIGENOUS - Large ruminants
106	INDIGENOUS - Small ruminants
107	INDIGENOUS - Poultry
108	INDIGENOUS - Pigs
109	INDIGENOUS - Donkey/mules
110	INDIGENOUS - Horses

E `// Only enable for animals that the household has (@rowcode==101 && s6aq02.Yes.ContainsAny(1,2,3,4,5)) || (@rowcode==102 && s6bq02.Yes.ContainsAny(13,14,15,16)) || (@rowcode==103 && s6cq02a.Yes.Cont` And 382 other symbols [5]

1ab. Has this household made any use of the dung produced by %rostertitle% in the past 12 months?

V1 `self.Length>=2 ? !self.Contains(6) : true`

M1 ERROR. Cannot select "no, none" as well as some other option. Please correct

MULTI-SELECT — s8q01ab

- 01 ☐ manure
- 02 ☐ fuel (cooking)
- 03 ☐ feed to other animals
- 04 ☐ construction of building
- 05 ☐ sales
- 06 ☐ no, no use
- 07 ☐ other (specify)

Please, specify Other

E `s8q01ab.Contains (7)`

TEXT — s8q01bc_oth

1c. What was the total value from the sales of dung from %rostertitle% in the past 12 months? In Ush

E `s8q01ab.Contains(5)`

NUMERIC: INTEGER — s8q01c

---

2. Has this household used any of its %rostertitle% for its own transport (persons, crops, etc.) in the past 12 months?

E `(@rowcode==101 || @rowcode==109 || @rowcode==110 || @rowcode==105)`

SINGLE-SELECT — s8q02

- 01 ◯ Yes
- 02 ◯ No

---

3. Has this household used any of its %rostertitle% for ploughing its own field in the past 12 months?

E `(@rowcode==101 || @rowcode==109 || @rowcode==110 || @rowcode==105)`

SINGLE-SELECT — s8q03

- 01 ◯ Yes
- 02 ◯ No

4a. Has this household used any of its %rostertitle% to provide transport or ploughing services to other households? E (@rowcode==101 || @rowcode==109 || @rowcode==110 || @row code==105)	SINGLE-SELECT s8q04a 01 ◯ Yes 02 ◯ No
5a. How much has this household earned in cash/kind by providing draught power for ploughing or transport with %rostertitle% in the past 12 months? I In Ush (estimated value of in-kind benefits) E s8q04a==1	NUMERIC: INTEGER s8q05a -

[AG-9] EXTENSION SERVICES

E `s19q1==1 || s19q2==1`

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	ag9_respondent

Did anyone in this household receive advice/information about agricultural/ livestock activities from any of the following sources in the past 12 months?	MULTI-SELECT: YES/NO 01 ☐ / ☐ NATIONAL AGRICULTURAL ADVISORY SERVICES (NAADS) 02 ☐ / ☐ INPUT SUPPLIER 03 ☐ / ☐ NGO 04 ☐ / ☐ COOPERATIVE/FARMER'S ASSOCIATION 05 ☐ / ☐ LARGE SCALE FARMER 06 ☐ / ☐ OTHER (SPECIFY)	h9q03a

[AG-9] EXTENSION SERVICES
Roster: EXTENSION SERVICES
generated by multi-select question h9q03a

s9_roster

Specify Other E `@rowcode==6`	TEXT	h9q03a_oth
4. Which household members received advice/information?	MULTI-SELECT: LINKED	h9q04abcd
5. Was the advice from %rostertitle% about ….	MULTI-SELECT: YES/NO 01 ☐ / ☐ Agricultural production 02 ☐ / ☐ Agricultural prices 03 ☐ / ☐ Agroprocessing 04 ☐ / ☐ Crop Marketing 05 ☐ / ☐ Livestock Marketing 06 ☐ / ☐ Fishing production 07 ☐ / ☐ Livestock production Meat 08 ☐ / ☐ Livestock production Milk 09 ☐ / ☐ Prevention of Livestock diseases	h9q05ag
6a. How many times did someone from %rostertitle% visit any of the household's plots in the past 12 months? Solicited visits	NUMERIC: INTEGER	h9q06a
6b. How many times did someone from %rostertitle% visit any of the household's plots in the past 12 months? Unsolicited visits	NUMERIC: INTEGER	h9q06b
7. How many times did anyone in the household visit the %rostertitle% in the past 12 months?	NUMERIC: INTEGER	h9q07a

8. Did anyone in the household pay anything in order to receive any type of advice from %rostertitle% in the past 12 months? E (h9q06a>0) || (h9q06b>0) || (h9q07a>0)	SINGLE-SELECT h9q08a 01 ○ Yes 02 ○ No
9. How much was paid? I Ushs E // non-zero answer ((h9q06a>0) || (h9q06b>0) || (h9q07a>0)) && // paid for advice (h9q08a==1) V1 self.InRange(1,40000) M1 WARNING. Amount paid is higher than average. Please check your answer.	NUMERIC: INTEGER h9q09 ------------------------------
10. How would you rate the advice received? E // non-zero answer ((h9q06a>0) || (h9q06b>0) || (h9q07a>0))	SINGLE-SELECT h9q10a 01 ○ Good 02 ○ Average 03 ○ Bad
11. Are you informed of training programs organized by NAADS?	SINGLE-SELECT h9q11a 01 ○ Yes 02 ○ No
12. Has any member of your household participated in a training program organized by NAADS in the past 12 months? E h9q11a==1	SINGLE-SELECT h9q12a 01 ○ Yes 02 ○ No
13. Are you informed of farmers' groups established under the farmer institutional development scheme of NAADS?	SINGLE-SELECT h9q13a 01 ○ Yes 02 ○ No
14. Is any member of your household a member of such a farmers' group? E h9q13a==1	SINGLE-SELECT h9q14a 01 ○ Yes 02 ○ No
15. Are you informed of NAADS initiatives to prioritize enterprises to demand for advisory services?	SINGLE-SELECT h9q15a 01 ○ Yes 02 ○ No
16. Has any member of your household participated in such initiatives in the past 12 months?	SINGLE-SELECT h9q16a 01 ○ Yes 02 ○ No

[AG-10] FARM IMPLEMENTS AND MACHINERY

E s19q1==1 || s19q2==1

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	ag10_respondent

Did you own or use [item] during the last 12 months?	MULTI-SELECT: YES/NO 01 ☐ / ☐ Hoe 02 ☐ / ☐ Ploughs 03 ☐ / ☐ Pangas 04 ☐ / ☐ Slashers 05 ☐ / ☐ Wheel barrows 06 ☐ / ☐ Tractor 07 ☐ / ☐ Watering cans 08 ☐ / ☐ Pruning knives 09 ☐ / ☐ Pruning saws 10 ☐ / ☐ Chain/band saws 11 ☐ / ☐ Sheller 12 ☐ / ☐ Spade 13 ☐ / ☐ Fork hoe 14 ☐ / ☐ Ox-plough 15 ☐ / ☐ Trailer 16 ☐ / ☐ Harrow/cultivator And 6 other symbols [62]	sa10q1

[AG-10] FARM IMPLEMENTS AND MACHINERY
Roster: FARM IMPLEMENTS AND MACHINERY
generated by multi-select question sa10q1

s10_roster

Please, specify Other E @rowcode==22	TEXT ┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄	s10q0_oth
1. How many %rostertitle% does your household currently own? If none write 0 V1 self.ToString().Length<=2 M1 WARNING. Number reported seems too large. Please check.	NUMERIC: INTEGER ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ .	s10q01a
2. What is the total estimated value of all %rostertitle% owned by your household? In Ushs E s10q01a>0	NUMERIC: DECIMAL ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ .	s10q02a
3. How many %rostertitle% did your household own exactly 12 months ago? V1 self.ToString().Length<=2 M1 WARNING. Number reported seems too large. Please check.	NUMERIC: INTEGER ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ ┄ .	s10q03aa
4. Did your household use the %rostertitle% during the last 12 months?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	s10q04a

5. What was the main reason for not using the %rostertitle% E s10q04a==2	SINGLE-SELECT s10q05aa 01 ○ No need for one 02 ○ Needs repairs 03 ○ Lent to others 04 ○ Rented to others 05 ○ Other(Specify)
Please, specify Other E s10q05aa==5	TEXT s10q05aa_oth ....
6. Did your household rent or borrow any %rostertitle% during the last 12 months? E s10q04a==1	SINGLE-SELECT s10q06a 01 ○ Yes 02 ○ No
7. How many %rostertitle% did your household rent or borrow during the last 12 months? E s10q06a==1 && s10q04a==1	NUMERIC: INTEGER s10q07aa _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
8. How much did your household pay to rent or borrow %rostertitle% during the last 12 months? In Ushs ESTIMATE THE VALUE OF INKIND PAYMENTS E s10q06a==1 && s10q04a==1	NUMERIC: INTEGER s10q08a _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

[AG-11] LAND MARKET AND RELATED ACTIVITIES

E // ag filter s19q1==1 || // livestock filter s19q2==1

Enumerator: Who is responding to this section?	SINGLE-SELECT: LINKED	ag11_respondent

1. Has your household sold any agricultural land during the past 5 years?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	A12Q1

2a. What was the total area of the agricultural land that was sold during the past 5 years? AREA E A12Q1==1	NUMERIC: DECIMAL -	A12Q2A

2b. UNIT E A12Q1==1	SINGLE-SELECT 01 ◯ Square Metres 02 ◯ Hectares 03 ◯ Acres 04 ◯ Square feet 96 ◯ Other (specify)	A12Q2B

Specify other land unit E A12Q2B==96	TEXT	A12Q2B_oth

3. Has your household given away any agricultural land (in the form of inheritance, gift, donation, etc.) during the past 5 years?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	A12Q3

4a. What was the total area of the agricultural land that was given away during the past 5 years? AREA E A12Q3==1	NUMERIC: DECIMAL -	A12Q4A

4b. UNIT E A12Q3==1	SINGLE-SELECT 01 ◯ Square Metres 02 ◯ Hectares 03 ◯ Acres 04 ◯ Square feet 96 ◯ Other (specify)	A12Q4B

Specify other land unit E A12Q4B==96	TEXT	A12Q4B_oth

5. Has your household lost any agricultural land (due to government or local authorities' expropriation) during the past 5 years?	SINGLE-SELECT 01 ◯ Yes 02 ◯ No	A12Q5

6a. What was the total area of the agricultural land that was given away during the past 5 years? AREA E A12Q5==1	NUMERIC: DECIMAL A12Q6A -
6b. UNIT E A12Q5==1	SINGLE-SELECT A12Q6B 01 ◯ Square Metres 02 ◯ Hectares 03 ◯ Acres 04 ◯ Square feet 96 ◯ Other (specify)
End Date & Time of Agric Interview for first visit	DATE: CURRENT TIME Ag_EndTime_visit1 ....
End Date & Time of Agric Interview for second visit	DATE: CURRENT TIME Ag_EndTime_visit2 ....

INTERVIEW RESULT

6a.Response Code: 1st VISIT	SINGLE-SELECT s1bq06a
	01 ◯ Completed
	02 ◯ Partially done
	03 ◯ No household member at home/no competent respondent at the time of visit
	04 ◯ Entire household absent for extended period of time
	05 ◯ Refused
	06 ◯ Dwelling vacant or address not a dwelling
	07 ◯ Dwelling destroyed
	08 ◯ Dwelling not found
	96 ◯ Other
Other-Reponse 1st Visit E s1bq06a==96	TEXT s1bq06a_othr ┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉
6b. Response Code: FINAL VISIT E s1bq06a !=1	SINGLE-SELECT s1bq06b
	01 ◯ Completed
	02 ◯ Partially done
	03 ◯ No household member at home/no competent respondent at the time of visit
	04 ◯ Entire household absent for extended period of time
	05 ◯ Refused
	06 ◯ Dwelling vacant or address not a dwelling
	07 ◯ Dwelling destroyed
	08 ◯ Dwelling not found
	96 ◯ Other
Other-Reponse Final Visit E s1bq06b==96	TEXT s1bq06b_othr ┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉┉

APPENDIX A — ENABLING CONDITIONS

[1] s10q3a: 3a. Who owns %rostertitle%?
Enablement Condition:

```
s10q3.InList(1,2,3)
&&
// disable for some assets
!(@rowcode==3 || @rowcode==4 ||
  @rowcode==5 || @rowcode==23 || @rowcode==15 ||
  @rowcode==24 || @rowcode==25 || @rowcode==19 || @rowcode==14 ||
  @rowcode==20 || @rowcode==21 || @rowcode==22 || @rowcode==18)
```

[2] s10q4: 4. How many %rostertitle% do your household own at present? Number
Enablement Condition:

```
s10q3.InList(1,2,3)
&&
// disable for some assets
!(@rowcode==3 || @rowcode==4 ||
  @rowcode==5 || @rowcode==23 || @rowcode==15 ||
  @rowcode==24 || @rowcode==25 || @rowcode==19 || @rowcode==14 ||
  @rowcode==20 || @rowcode==21 || @rowcode==22 || @rowcode==18)
```

[3] s7aq01: 1. How many %rostertitle% were slaughtered for meat in the last recall period?(%ref_period%)
Enablement Condition:

```
(@rowcode==101 && meat_exotic==1) || (@rowcode==105 && meat_indigenous==1) ||
(@rowcode==102 && meat_exotic_small==1) || (@rowcode==103 && exotic_poultry==1) ||
(@rowcode==104 && exotic_pigs==1) || (@rowcode==106 && meat_indigenous_small==1) ||
(@rowcode==107 && indigenous_poultry==1) || (@rowcode==108 && indigenous_pigs==1)
```

[4] : Livestock Production – Meat
Enablement Condition:

```
(@rowcode==101 && meat_exotic==1) || (@rowcode==105 && meat_indigenous==1) ||
(@rowcode==102 && meat_exotic_small==1) || (@rowcode==103 && exotic_poultry==1) ||
(@rowcode==104 && exotic_pigs==1) || (@rowcode==106 && meat_indigenous_small==1) ||
(@rowcode==107 && indigenous_poultry==1) || (@rowcode==108 && indigenous_pigs==1)
```

[5] : Animal Power
Enablement Condition:

```
// Only enable for animals that the household has
(@rowcode==101 && s6aq02.Yes.ContainsAny(1,2,3,4,5))
|| (@rowcode==102 && s6bq02.Yes.ContainsAny(13,14,15,16))
|| (@rowcode==103 && s6cq02a.Yes.ContainsAny(23,24,25,26))
|| (@rowcode==104 && s6bq02.Yes.Contains(17))
|| (@rowcode==105 && s6aq02.Yes.ContainsAny(6,7,8,9,10,11,12))
|| (@rowcode==106 && s6bq02.Yes.ContainsAny(18,19,20,21))
|| (@rowcode==107 && s6cq02a.Yes.Contains(23))
|| (@rowcode==108 && s6bq02.Yes.Contains(22))
|| (@rowcode==109 && s6aq02.Yes.Contains(11))
|| (@rowcode==110 && s6aq02.Yes.Contains(12))
```

APPENDIX B — VALIDATION CONDITIONS AND MESSAGES

[1] h2q04: 4. What is the relationship of %rostertitle% to the head of the household?

Validation Condition:

```
(h2q04==1 && (hhroster.Count(x=>x.h2q04==1)==1)) || (h2q04>1)
```

Validation Message: Each household can have only one head.
Validation Condition:

```
// If household head...
h2q04== 1 ?

//...then no spouse of the same sex
hhroster.Count (x=>x.h2q04 ==2
&& x.h2q03 == h2q03) ==0  :

// If spouse...
h2q04== 2 ?

//...then no head of same sex
hhroster.Count (x=>x.h2q04==1
&& x.h2q03 == h2q03) ==0 :

true
```

Validation Message: ERROR. The head and spouse cannot be of the same gender.
Validation Condition:

```
hhroster.Count(x=>x.h2q04==1 &&
x.h2q04==4)<=1
```

Validation Message: ERROR. There is is more than one member marked as father of the head. Please correct.
Validation Condition:

```
hhroster.Count(x=> x.h2q04==2 &&
x.h2q04==4)<=1
```

Validation Message: ERROR. There is is more than one member marked as mother of the head. Please correct.

[2] h2q09c: 9c. YEAR

Validation Condition:

```
h2q08==Date_check
```

Validation Message: Error! Reported Age not matching with Date of Birth! Confirm and re-calculate the Age in Qn8!
Validation Condition:

```
// if day, month, and year are all known...
h2q09a!=98 && h2q09b!=99 && self!=9998 ?

// ...the combination must map to a valid calendar date
IsDate( (double?) self, (double?) h2q09b, (double?) h2q09a ):

// otherwise, nothing to check
true
```

Validation Message: ERROR. The date recorded is not a valid calendar date. Please correct.
Validation Condition:

```
// If the member is child of a male head ...
h2q04==3 && hhroster.Count(x=>x.h2q04==1
&& x.h2q03==1)==1 ?

// ... then there is no head who is less than 14 years older than the child
hhroster.Count(x=>x.h2q04==1 &&
x.h2q03==1 && h2q04==3 && (x.Date_check-Date_check)<=14)==0
|| self==9998:

// If the member is the child of a female head ...
h2q04==3 && hhroster.Count(x=>x.h2q04==1 &&
x.h2q03==2)==1 ?

// then there is no head who is less than 12 years older than the child
hhroster.Count(x=>x.h2q04==1 && x.h2q03==2 &&
h2q04==3 && (x.Date_check- Date_check)<=12)==0
|| self==9998:

// otherwise, nothing to check
true
```

Validation Message: ERROR. The head's child is too old compared to the head. Please correct.

[3] h2q10: 10. What is the present marital status of %rostertitle%?

Validation Condition:

```
(h2q04 ==2 && h2q10<=2)||(h2q10>=1 && new decimal?[]{1,3,4,5,6,7,8,9,10}.Contains(h2q04))
```

Validation Message: Confirm relationship to the head of household (question 4) and marital status.
Validation Condition:

```
// if spouse of the head..
h2q04==2 &&
hhroster.Count (x=>x.h2q04 ==1)==1?

//... must have the same marital status as the head
hhroster.Count (x=>x.h2q04 ==1 && x.h2q10!=h2q10)==0:

// otherwise, nothing to check
true
```

Validation Message: ERROR. Spouse should have the same marital status as the head. Please correct.

[4] lp_s3aq36: 28. How much did you pay including the value of in-kind payments for these days of labor?
Validation Condition:

```
// when all inputs are non-missing
(IsAnswered(lp_s3aq36) && IsAnswered(lp_s3aq35a) &&
IsAnswered(lp_s3aq35b) && IsAnswered(lp_s3aq35c)) ?

// value must be between upper and lower bound
(
(lp_s3aq36/(lp_s3aq35a + lp_s3aq35b + lp_s3aq35c))<150000 // upper bound

&&

(lp_s3aq36/(lp_s3aq35a + lp_s3aq35b + lp_s3aq35c))>2000 // lower bound
) :

// otherwise, can't evaluate
true
```

Validation Message: Payments per person day is higher or lower than average. Please check your answer.

[5] inapp_s3aq36: 28. How much did you pay including the value of in-kind payments for these days of labor?
Validation Condition:

```
// when all inputs are non-missing
(IsAnswered(inapp_s3aq36) && IsAnswered(inapp_s3aq35a) &&
IsAnswered(inapp_s3aq35b) && IsAnswered(inapp_s3aq35c)) ?

// value must be between upper and lower bound
(
(inapp_s3aq36/(inapp_s3aq35a + inapp_s3aq35b + inapp_s3aq35c))<150000 // upper bound

&&

(inapp_s3aq36/(inapp_s3aq35a + inapp_s3aq35b + inapp_s3aq35c))>2000 // lower bound
) :

// otherwise, can't evaluate
true
```

Validation Message: Payments per person day is higher or lower than average. Please check your answer.

[6] wp_s3aq36: 28. How much did you pay including the value of in-kind payments for these days of labor?
Validation Condition:

```
// when all inputs are non-missing
(IsAnswered(wp_s3aq36) && IsAnswered(wp_s3aq35a) &&
IsAnswered(wp_s3aq35b) && IsAnswered(wp_s3aq35c)) ?

// value must be between upper and lower bound
(
(wp_s3aq36/(wp_s3aq35a + wp_s3aq35b + wp_s3aq35c))<150000 // upper bound

&&

(wp_s3aq36/(wp_s3aq35a + wp_s3aq35b + wp_s3aq35c))>2000 // lower bound
) :

// otherwise, can't evaluate
true
```

Validation Message: Payments per person day is higher or lower than average. Please check your answer.

[7] hv_s3aq36: 28. How much did you/will you pay including the value of in-kind payments for these days of labor?
Validation Condition:

```
// when all inputs are non-missing
(IsAnswered(hv_s3aq36) && IsAnswered(hv_s3aq35a) &&
IsAnswered(hv_s3aq35b) && IsAnswered(hv_s3aq35c)) ?

// value must be between upper and lower bound
(
(hv_s3aq36/(hv_s3aq35a + hv_s3aq35b + hv_s3aq35c))<150000 // upper bound

&&

(hv_s3aq36/(hv_s3aq35a + hv_s3aq35b + hv_s3aq35c))>2000 // lower bound
) :

// otherwise, can't evaluate
true
```

Validation Message: Payments per person day is higher or lower than average. Please check your answer.

[8] lp_s3aq36_a: 28. How much did you pay including the value of in-kind payments for these days of labor?
Validation Condition:

```
// when all inputs are non-missing
(IsAnswered(lp_s3aq36_a) && IsAnswered(lp_s3aq35a_a) &&
IsAnswered(lp_s3aq35b_a) && IsAnswered(lp_s3aq35c_a)) ?

// value must be between upper and lower bound
(
(lp_s3aq36_a/(lp_s3aq35a_a + lp_s3aq35b_a + lp_s3aq35c_a))<150000 // upper bound

&&

(lp_s3aq36_a/(lp_s3aq35a_a + lp_s3aq35b_a + lp_s3aq35c_a))>2000 // lower bound
) :

// otherwise, can't evaluate
true
```

Validation Message: Payments per person day is higher or lower than average. Please check your answer.

[9] inapp_s3aq36_a: 28. How much did you pay including the value of in-kind payments for these days of labor?
Validation Condition:

```
// when all inputs are non-missing
(IsAnswered(inapp_s3aq36_a) && IsAnswered(inapp_s3aq35a_a) &&
IsAnswered(inapp_s3aq35b_a) && IsAnswered(inapp_s3aq35c_a)) ?

// value must be between upper and lower bound
(
(inapp_s3aq36_a/(inapp_s3aq35a_a + inapp_s3aq35b_a + inapp_s3aq35c_a))<150000 // upper bound

&&

(inapp_s3aq36_a/(inapp_s3aq35a_a + inapp_s3aq35b_a + inapp_s3aq35c_a))>2000 // lower bound
) :

// otherwise, can't evaluate
true
```

Validation Message: Payments per person day is higher or lower than average. Please check your answer.

[10] wp_s3aq36_a: 28. How much did you pay including the value of in-kind payments for these days of labor?
Validation Condition:

```
// when all inputs are non-missing
(IsAnswered(wp_s3aq36_a) && IsAnswered(wp_s3aq35a_a) &&
IsAnswered(wp_s3aq35b_a) && IsAnswered(wp_s3aq35c_a)) ?

// value must be between upper and lower bound
(
(wp_s3aq36_a/(wp_s3aq35a_a + wp_s3aq35b_a + wp_s3aq35c_a))<150000 // upper bound

&&

(wp_s3aq36_a/(wp_s3aq35a_a + wp_s3aq35b_a + wp_s3aq35c_a))>2000 // lower bound
) :

// otherwise, can't evaluate
true
```

Validation Message: Payments per person day is higher or lower than average. Please check your answer.

[11] hv_s3aq36_a: 28. How much did you/will you pay including the value of in-kind payments for these days of labor?
Validation Condition:

```
// when all inputs are non-missing
(IsAnswered(hv_s3aq36_a) && IsAnswered(hv_s3aq35a_a) &&
IsAnswered(hv_s3aq35b_a) && IsAnswered(hv_s3aq35c_a)) ?

// value must be between upper and lower bound
(
(hv_s3aq36_a/(hv_s3aq35a_a + hv_s3aq35b_a + hv_s3aq35c_a))<150000 // upper bound

&&

(hv_s3aq36_a/(hv_s3aq35a_a + hv_s3aq35b_a + hv_s3aq35c_a))>2000 // lower bound
) :

// otherwise, can't evaluate
true
```

Validation Message: Payments per person day is higher or lower than average. Please check your answer.

APPENDIX C — INSTRUCTIONS

[1] s4q30: 30. In the last 7 days, how much time in hours did %rostertitle% spend on milling and other food processing for the household?

(This includes threshing and milling grain, making butter and cheese, slaughtering livestock, curing hides and skins, preserving food for later consumption, making beer and alcohol, and other similar activities. It does not include preparing food for immediate consumption)

APPENDIX D — CATEGORIES

[1] h2q06: 6. If %rostertitle% has not stayed for 12 months, what is the main reason for absence?
Categories: 1：New arrivals - New born, 2：New arrivals - Returned home from abduction/displacement, 3：New arrivals - To escape insecurity from home area, 4：New arrivals - Bad living conditions at home, 5：New arrivals - To look for work, 6：New arrivals - Other economic reasons, 7：New arrivals - Education, 8：New arrivals - Marriage, 9：New arrivals - Divorce, 10：Members that left - Deceased, 11：Members that left - To escape insecurity from this area, 12：Members that left - Looking for work elsewhere, 13：Members that left - Other economic reasons, 14：Members that left - Illness, 15：Members that left - Education, 16：Members that left - Marriage, 17：Members that left - Divorce, 18：Members that left - Started own household, 19：Members that left - Abducted/disappeared, 20：Members that left - Other (Specify)

[2] s3q05: 5. What was the highest grade/class that %rostertitle% completed ?
Categories: 10：Some schooling but not completed P.1, 11：Completed P.1, 12：Completed P.2, 13：Completed P.3, 14：Completed P.4, 15：Completed P.5, 16：Completed P.6, 17：Completed P.7, 21：Completed J.1, 22：Completed J.2, 23：Completed J.3, 31：Completed S.1, 32：Completed S.2, 33：Completed S.3, 34：Completed S.4, 35：Completed S.5, 36：Completed S.6, 41：Completed post primary/junior specialized traing/certificat/diploma, 51：Completed Post secondary Specialized training or diploma, 61：Completed Degree and above, 98：Don't Know

[3] s3q07: 7. What grade/class was %rostertitle% attending in [THE LAST COMPLETED SCHOOL YEAR]?
Categories: 0：Had not begun school last year, 1：Attending nursery, kindergarten etc (lower than P.1), 10：Attending P.1, 11：Attending P.2, 12：Attending P.3, 13：Attending P.4, 14：Attending P.5, 15：Attending P.6, 16：Attending P.7, 30：Attending S.1, 31：Attending S.2, 32：Attending S.3, 33：Attending S.4, 34：Attending S.5, 35：Attending S.6, 40：Attending postprimary/junior specializd training/certifict/diploma, 50：Attending Post secondary Specialized training or diploma, 60：Attending Degree and above, 98：Dont know

[4] s3q08: 8. What grade/class is %rostertitle% currently attending?
Categories: 0：Had not begun school last year, 1：Attending nursery, kindergarten etc (lower than P.1), 10：Attending P.1, 11：Attending P.2, 12：Attending P.3, 13：Attending P.4, 14：Attending P.5, 15：Attending P.6, 16：Attending P.7, 30：Attending S.1, 31：Attending S.2, 32：Attending S.3, 33：Attending S.4, 34：Attending S.5, 35：Attending S.6, 40：Attending postprimary/junior specializd training/certifict/diploma, 50：Attending Post secondary Specialized training or diploma, 60：Attending Degree and above, 98：Dont know

[5] B2_twoDigit: SubCategory Level1 - ISCO code
Categories: 11：Chief executives, senior officials and legislators, 12：Administrative and commercial managers, 13：Production and specialized services managers, 14：Hospitality, retail and other services managers, 21：Science and engineering professionals, 22：Health professionals, 23：Teaching professionals, 24：Business and administration professionals, 25：Information and communications technology professionals, 26：Legal, social and cultural professionals, 31：Science and engineering associate professionals, 32：Health associate professionals, 33：Business and administration associate professionals, 34：Legal, social, cultural and related associate professionals, 35：Information and communications technicians, 41：General and keyboard clerks, 42：Customer services clerks, 43：Numerical and material recording clerks, 44：Other clerical support workers, 51：Personal service workers, 52：Sales workers, 53：Personal care workers, 54：Protective services workers, 61：Market-oriented skilled agricultural workers, 62：Market-oriented skilled forestry, fishery and hunting workers, 63：Subsistence farmers, fishers, hunters and gatherers, 71：Building and related trades workers, excluding electricians, 72：Metal, machinery and related trades workers, 73：Handicraft and printing workers, 74：Electrical and electronic trades workers, 75：Food processing, wood working, garment and other craft and related trades workers, 81：Stationary plant and machine operators, 82：Assemblers, 83：Drivers and mobile plant operators, 91：Cleaners and helpers, 92：Agricultural, forestry and fishery labourers, 93：Labourers in mining, construction, manufacturing and transport, 94：Food preparation assistants, 95：Street and related sales and service workers, 96：Refuse workers and other elementary workers, 991：Commissioned armed forces officers, 992：Non-commissioned armed forces officers, 993：Armed forces occupations, other ranks

[6] B2_threeDigit: SubCategory Level2 - ISCO code
Categories: 111：Legislators and senior officials, 112：Managing directors and chief executives, 121：Business services and administration managers, 122：Sales, marketing and development managers, 131：Production managers in agriculture, forestry and fisheries, 132：Manufacturing, mining, construction, and distribution managers, 133：Information and communications technology service managers, 134：Professional services managers, 141：Hotel and restaurant managers, 142：Retail and wholesale trade managers, 143：Other services managers, 211：Physical and earth science professionals, 212：Mathematicians, actuaries and statisticians, 213：Life science professionals, 214：Engineering professionals (excluding electrotechnology), 215：Electrotechnology engineers, 216：Architects, planners, surveyors and designers, 221：Medical doctors, 222：Nursing and midwifery professionals, 223：Traditional and complementary medicine professionals, 224：Paramedical practitioners, 225：Veterinarians, 226：Other health professionals, 231：University and higher education teachers, 232：Vocational education teachers, 233：Secondary education teachers, 234：Primary school and early childhood teachers, 235：Other teaching professionals, 241：Finance professionals, 242：Administration professionals, 243：Sales, marketing and public relations professionals, 251：Software and applications developers and analysts, 252：Database and network professionals, 261：Legal professionals, 262：Librarians, archivists and curators, 263：Social and religious professionals, 264：Authors, journalists and linguists, 265：Creative and performing artists, 311：Physical and engineering science technicians, 312：Mining, manufacturing and construction supervisors, 313：Process control technicians, 314：Life science technicians and related associate professionals, 315：Ship and aircraft controllers and technicians, 321：Medical and pharmaceutical technicians, 322：Nursing and midwifery associate professionals, 323：Traditional and complementary medicine associate professionals, 324：Veterinary technicians and assistants, 325：Other health associate professionals, 331：Financial and mathematical associate professionals, 332：Sales and purchasing agents and brokers, 333：Business services agents, 334：Administrative and specialized secretaries, 335：Regulatory government associate professionals, 341：Legal, social and religious associate professionals, 342：Sports and fitness workers, 343：Artistic, cultural and culinary associate professionals, 351：Information and communications technology operations and user support technicians, 352：Telecommunications and broadcasting technicians, 411：General office clerks, 412：Secretaries (general), 413：Keyboard operators, 421：Tellers, money collectors and related clerks, 422：Client information workers, 431：Numerical clerks, 432：Material-recording and transport clerks, 441：Other clerical support workers, 511：Travel attendants, conductors and guides, 512：Cooks, 513：Waiters and bartenders, 514：Hairdressers, beauticians and related workers, 515：Building and housekeeping supervisors, 516：Other personal services workers, 521：Street and market salespersons, 522：Shop salespersons, 523：Cashiers and ticket clerks, 524：Other sales workers, 531：Child care workers and teachers' aides, 532：Personal care workers in health services, 541：Protective services workers, 611：Market gardeners and crop growers, 612：Animal producers, 613：Mixed crop and animal producers, 621：Forestry and related workers, 622：Fishery workers, hunters and trappers, 631：Subsistence crop farmers, 632：Subsistence livestock farmers, 633：Subsistence mixed crop and livestock farmers, 634：Subsistence fishers, hunters, trappers and gatheres, 711：Building frame and related trades workers, 712：Building finishers and related trades workers, 713：Painters, building structure cleaners and related trades workers, 721：Sheet and structural metal workers, moulders and welders, and related workers, 722：Blacksmiths, toolmakers and related trades workers, 723：Machinery mechanics and repairers, 731：Handicraft workers, 732：Printing trades workers, 741：Electrical equipment installers and repairers, 742：Electronics and telecommu

nications installers and repairers, 751：Food processing and related trades workers, 752：Wood treaters, cabinet-makers and related trades workers, 753：Garment and related trades workers, 754：Other craft and related workers, 811：Mining and mineral processing plant operators, 812：Metal processing and finishing plant operators, 813：Chemical and photographic products plant and machine operators, 814：Rubber, plastic and paper products machine operators, 815：Textile, fur and leather products machine operators, 816：Food and related products machine operators, 817：Wood processing and papermaking plant operators, 818：Other stationary plant and machine operators, 821：Assemblers, 831：Locomotive engine drivers and related workers, 833：Heavy truck and bus drivers, 834：Mobile plant operators, 835：Ships' deck crews and related workers, 911：Domestic, hotel and office cleaners and helpers, 912：Vehicle, window, laundry and other hand cleaning workers, 921：Agricultural, forestry and fishery labourers, 931：Mining and construction labourers, 932：Manufacturing labourers, 933：Transport and storage labourers, 941：Food preparation assistants, 951：Street and related service workers, 952：Street vendors (excluding food), 961：Refuse workers, 962：Other elementary workers, 9911：Commissioned armed forces officers, 9921：Non-commissioned armed forces officers, 9931：Armed forces occupations, other ranks

[7] B2_fourDigit: SubCategory Level3 - ISCO code

Categories: 1111：Legislators, 1112：Senior government officials, 1113：Traditional chiefs and heads of village, 1114：Senior officials of special-interest organizations, 1120：Managing directors and chief executives, 1211：Finance managers, 1212：Human resource managers, 1213：Policy and planning managers, 1219：Business services and administration managers not elsewhere classified, 1221：Sales and marketing managers, 1222：Advertising and public relations managers, 1223：Research and development managers, 1311：Agricultural and forestry production managers, 1312：Aquaculture and fisheries production managers, 1321：Manufacturing managers, 1322：Mining managers, 1323：Construction managers, 1324：Supply, distribution and related managers, 1330：Information and communications technology service managers, 1341：Child care services managers, 1342：Health services managers, 1343：Aged care services managers, 1344：Social welfare managers, 1345：Education managers, 1346：Financial and insurance services branch managers, 1349：Professional services managers not elsewhere classified, 1411：Hotel managers, 1412：Restaurant managers, 1420：Retail and wholesale trade managers, 1431：Sports, recreation and cultural centre managers, 1439：Services managers not elsewhere classified, 2111：Physicists and astronomers, 2112：Meteorologists, 2113：Chemists, 2114：Geologists and geophysicists, 2120：Mathematicians, actuaries and statisticians, 2131：Biologists, botanists, zoologists and related professionals, 2132：Farming, forestry and fisheries advisers, 2133：Environmental protection professionals, 2141：Industrial and production engineers, 2142：Civil engineers, 2143：Environmental engineers, 2144：Mechanical engineers, 2145：Chemical engineers, 2146：Mining engineers, metallurgists and related professionals, 2149：Engineering professionals not elsewhere classified, 2151：Electrical engineers, 2152：Electronics engineers, 2153：Telecommunications engineers, 2161：Building architects, 2162：Landscape architects, 2163：Product and garment designers, 2164：Town and traffic planners, 2165：Cartographers and surveyors, 2166：Graphic and multimedia designers, 2211：Generalist medical practitioners, 2212：Specialist medical practitioners, 2221：Nursing professionals, 2222：Midwifery professionals, 2230：Traditional and complementary medicine professionals, 2240：Paramedical practitioners, 2250：Veterinarians, 2261：Dentists, 2262：Pharmacists, 2263：Environmental and occupational health and hygiene professionals, 2264：Physiotherapists, 2265：Dieticians and nutritionists, 2266：Audiologists and speech therapists, 2267：Optometrists and ophthalmic opticians, 2269：Health professionals not elsewhere classified, 2310：University and higher education teachers, 2320：Vocational education teachers, 2330：Secondary education teachers, 2341：Primary school teachers, 2342：Early childhood educators, 2351：Education methods specialists, 2352：Special needs teachers, 2353：Other language teachers, 2354：Other music teachers, 2355：Other arts teachers, 2356：Information technology trainers, 2359：Teaching professionals not elsewhere classified, 2411：Accountants, 2412：Financial and investment advisers, 2413：Financial analysts, 2421：Management and organization analysts, 2422：Policy administration professionals, 2423：Personnel and careers professionals, 2424：Training and staff development professionals, 2431：Advertising and marketing professionals, 2432：Public relations professionals, 2433：Technical and medical sales professionals (excluding ICT), 2434：Information and communications technology sales professionals, 2511：Systems analysts, 2512：Software developers, 2513：Web and multimedia developers, 2514：Applications programmers, 2519：Software and applications developers and analysts not elsewhere classified, 2521：Database designers and administrators, 2522：Systems administrators, 2523：Computer network professionals, 2529：Database and network professionals not elsewhere classified, 2611：Lawyers, 2612：Judges, 2619：Legal professionals not elsewhere classified, 2621：Archivists and curators, 2622：Librarians and related information professionals, 2631：Economists, 2632：Sociologists, anthropologists and related professionals, 2633：Philosophers, historians and political scientists, 2634：Psychologists, 2635：Social work and counselling professionals, 2636：Religious professionals, 2641：Authors and related writers, 2642：Journalists, 2643：Translators, interpreters and other linguists, 2651：Visual artists, 2652：Musicians, singers and composers, 2653：Dancers and choreographers, 2654：Film, stage and related directors and producers, 2655：Actors, 2656：Announcers on radio, television and other media, 2659：Creative and performing artists not elsewhere classified, 3111：Chemical and physical science technicians, 3112：Civil engineering technicians, 3113：Electrical engineering technicians, 3114：Electronics engineering technicians, 3115：Mechanical engineering technicians, 3116：Chemical engineering technicians, 3117：Mining and metallurgical technicians, 3118：Draughtspersons, 3119：Physical and engineering science technicians not elsewhere classified, 3121：Mining supervisors, 3122：Manufacturing supervisors, 3123：Construction supervisors, 3131：Power production plant operators, 3132：Incinerator and water treatment plant operators, 3133：Chemical processing plant controllers, 3134：Petroleum and natural gas refining plant operators, 3135：Metal production process controllers, 3139：Process control technicians not elsewhere classified, 3141：Life science technicians (excluding medical), 3142：Agricultural technicians, 3143：Forestry technicians, 3151：Ships' engineers, 3152：Ships' deck officers and pilots, 3153：Aircraft pilots and related associate professionals, 3154：Air traffic controllers, 3155：Air traffic safety electronics technicians, 3211：Medical imaging and therapeutic equipment technicians, 3212：Medical and pathology laboratory technicians, 3213：Pharmaceutical technicians and assistants, 3214：Medical and dental prosthetic technicians, 3221：Nursing associate professionals, 3222：Midwifery associate professionals, 3230：Traditional and complementary medicine associate professionals, 3240：Veterinary technicians and assistants, 3251：Dental assistants and therapists, 3252：Medical records and health information technicians, 3253：Community health workers, 3254：Dispensing opticians, 3255：Physiotherapy technicians and assistants, 3256：Medical assistants, 3257：Environmental and occupational health inspectors and associates, 3258：Ambulance workers, 3259：Health associate professionals not elsewhere classified, 3311：Securities and finance dealers and brokers, 3312：Credit and loans officers, 3313：Accounting associate professionals, 3314：Statistical, mathematical and related associate professionals, 3315：Valuers and loss assessors, 3321：Insurance representatives, 3322：Commercial sales representatives, 3323：Buyers, 3324：Trade brokers, 3331：Clearing and forwarding agents, 3332：Conference and event planners, 3333：Employment agents and contractors, 3334：Real estate agents and property managers, 3339：Business services agents not elsewhere classified, 3341：Office supervisors, 3342：Legal secretaries, 3343：Administrative and executive secretaries, 3344：Medical secretaries, 3351：Customs and border inspectors, 3352：Government tax and excise officials, 3353：Government social benefits officials, 3354：Government licensing officials, 3355：Police inspectors and detectives, 3359：Regulatory government associate professionals not elsewhere classified, 3411：Legal and related associate professionals, 3412：Social work associate professionals, 3413：Religious associate professionals, 3421：Athletes and sports players, 3422：Sports coaches, instructors and officials, 3423：Fitness and recreation instructors and program leaders, 3431：Photographers, 3432：Interior designers and decorators, 3433：Gallery, museum and library technicians, 3434：Chefs, 3435：Other artistic and cultural associate professionals, 3511：Information and communications technology operations technicians, 3512：Information and communications technology user support technicians, 3513：Computer network and systems technicians, 3514：Web technicians, 3521：Broadcasting and audio-visual technicians, 3522：Telecommunications engineering technicians, 4110：General office clerks, 4120：Secretaries (general), 4131：Typists and word processing operators, 4132：Data entry clerks, 4211：Bank tellers and related clerks, 4212：Bookmakers, croupiers and related gaming workers, 4213：Pawnbrokers and money-lenders, 4214：Debt-collectors and related workers, 4221：Travel consultants and clerks, 4222：Contact centre information clerks, 4223：Telephone switchboard operators, 4224：Hotel receptionists, 4225：Enquiry clerks, 4226：Receptionists (general), 4227：Survey and market research interviewers, 4229：Client information

workers not elsewhere classified, 4311: Accounting and bookkeeping clerks, 4312: Statistical, finance and insurance clerks, 4313: Payroll clerks, 4321: Stock clerks, 4322: Production clerks, 4323: Transport clerks, 4411: Library clerks, 4412: Mail carriers and sorting clerks, 4413: Coding, proof-reading and related clerks, 4414: Scribes and related workers, 4415: Filing and copying clerks, 4416: Personnel clerks, 4419: Clerical support workers not elsewhere classified, 5111: Travel attendants and travel stewards, 5112: Transport conductors, 5113: Travel guides, 5120: Cooks, 5131: Waiters, 5132: Bartenders, 5141: Hairdressers, 5142: Beauticians and related workers, 5151: Cleaning and housekeeping supervisors in offices, hotels and other establishments, 5152: Domestic housekeepers, 5153: Building caretakers, 5161: Astrologers, fortune-tellers and related workers, 5162: Companions and valets, 5163: Undertakers and embalmers, 5164: Pet groomers and animal care workers, 5165: Driving instructors, 5169: Personal services workers not elsewhere classified, 5211: Stall and market salespersons, 5212: Street food salespersons, 5221: Shop keepers, 5222: Shop supervisors, 5223: Shop sales assistants, 5230: Cashiers and ticket clerks, 5241: Fashion and other models, 5242: Sales demonstrators, 5243: Door to door salespersons, 5244: Contact centre salespersons, 5245: Service station attendants, 5246: Food service counter attendants, 5249: Sales workers not elsewhere classified, 5311: Child care workers, 5312: Teachers' aides, 5321: Health care assistants, 5322: Home-based personal care workers, 5329: Personal care workers in health services not elsewhere classified, 5411: Fire-fighters, 5412: Police officers, 5413: Prison guards, 5414: Security guards, 5419: Protective services workers not elsewhere classified, 6111: Field crop and vegetable growers, 6112: Tree and shrub crop growers, 6113: Gardeners, horticultural and nursery growers, 6114: Mixed crop growers, 6121: Livestock and dairy producers, 6122: Poultry producers, 6123: Apiarists and sericulturists, 6129: Animal producers not elsewhere classified, 6130: Mixed crop and animal producers, 6210: Forestry and related workers, 6221: Aquaculture workers, 6222: Inland and coastal waters fishery workers, 6223: Deep-sea fishery workers, 6224: Hunters and trappers, 6310: Subsistence crop farmers, 6320: Subsistence livestock farmers, 6330: Subsistence mixed crop and livestock farmers, 6340: Subsistence fishers, hunters, trappers and gatherers, 7111: House builders, 7112: Bricklayers and related workers, 7113: Stonemasons, stone cutters, splitters and carvers, 7114: Concrete placers, concrete finishers and related workers, 7115: Carpenters and joiners, 7119: Building frame and related trades workers not elsewhere classified, 7121: Roofers, 7122: Floor layers and tile setters, 7123: Plasterers, 7124: Insulation workers, 7125: Glaziers, 7126: Plumbers and pipe fitters, 7127: Air conditioning and refrigeration mechanics, 7131: Painters and related workers, 7132: Spray painters and varnishers, 7133: Building structure cleaners, 7211: Metal moulders and coremakers, 7212: Welders and flamecutters, 7213: Sheet-metal workers, 7214: Structural-metal preparers and erectors, 7215: Riggers and cable splicers, 7221: Blacksmiths, hammersmiths and forging press workers, 7222: Toolmakers and related workers, 7223: Metal working machine tool setters and operators, 7224: Metal polishers, wheel grinders and tool sharpeners, 7231: Motor vehicle mechanics and repairers, 7232: Aircraft engine mechanics and repairers, 7233: Agricultural and industrial machinery mechanics and repairers, 7234: Bicycle and related repairers, 7311: Precision-instrument makers and repairers, 7312: Musical instrument makers and tuners, 7313: Jewellery and precious-metal workers, 7314: Potters and related workers, 7315: Glass makers, cutters, grinders and finishers, 7316: Sign writers, decorative painters, engravers and etchers, 7317: Handicraft workers in wood, basketry and related materials, 7318: Handicraft workers in textile, leather and related materials, 7319: Handicraft workers not elsewhere classified, 7321: Pre-press technicians, 7322: Printers, 7323: Print finishing and binding workers, 7411: Building and related electricians, 7412: Electrical mechanics and fitters, 7413: Electrical line installers and repairers, 7421: Electronics mechanics and servicers, 7422: Information and communications technology installers and servicers, 7511: Butchers, fishmongers and related food preparers, 7512: Bakers, pastry-cooks and confectionery makers, 7513: Dairy-products makers, 7514: Fruit, vegetable and related preservers, 7515: Food and beverage tasters and graders, 7516: Tobacco preparers and tobacco products makers, 7521: Wood treaters, 7522: Cabinet-makers and related workers, 7523: Woodworking-machine tool setters and operators, 7531: Tailors, dressmakers, furriers and hatters, 7532: Garment and related pattern-makers and cutters, 7533: Sewing, embroidery and related workers, 7534: Upholsterers and related workers, 7535: Pelt dressers, tanners and fellmongers, 7536: Shoemakers and related workers, 7541: Underwater divers, 7542: Shotfirers and blasters, 7543: Product graders and testers (excluding foods and beverages), 7544: Fumigators and other pest and weed controllers, 7549: Craft and related workers not elsewhere classified, 8111: Miners and quarriers, 8112: Mineral and stone processing plant operators, 8113: Well drillers and borers and related workers, 8114: Cement, stone and other mineral products machine operators, 8121: Metal processing plant operators, 8122: Metal finishing, plating and coating machine operators, 8131: Chemical products plant and machine operators, 8132: Photographic products machine operators, 8141: Rubber products machine operators, 8142: Plastic products machine operators, 8143: Paper products machine operators, 8151: Fibre preparing, spinning and winding machine operators, 8152: Weaving and knitting machine operators, 8153: Sewing machine operators, 8154: Bleaching, dyeing and fabric cleaning machine operators, 8155: Fur and leather preparing machine operators, 8156: Shoemaking and related machine operators, 8157: Laundry machine operators, 8159: Textile, fur and leather products machine operators not elsewhere classified, 8160: Food and related products machine operators, 8171: Pulp and papermaking plant operators, 8172: Wood processing plant operators, 8181: Glass and ceramics plant operators, 8182: Steam engine and boiler operators, 8183: Packing, bottling and labelling machine operators, 8189: Stationary plant and machine operators not elsewhere classified, 8211: Mechanical machinery assemblers, 8212: Electrical and electronic equipment assemblers, 8219: Assemblers not elsewhere classified, 8311: Locomotive engine drivers, 8312: Railway brake, signal and switch operators, 832: Car, van and motorcycle drivers, 8321: Motorcycle drivers, 8322: Car, taxi and van drivers, 8331: Bus and tram drivers, 8332: Heavy truck and lorry drivers, 8341: Mobile farm and forestry plant operators, 8342: Earthmoving and related plant operators, 8343: Crane, hoist and related plant operators, 8344: Lifting truck operators, 8350: Ships' deck crews and related workers, 9111: Domestic cleaners and helpers, 9112: Cleaners and helpers in offices, hotels and other establishments, 9121: Hand launderers and pressers, 9122: Vehicle cleaners, 9123: Window cleaners, 9129: Other cleaning workers, 9211: Crop farm labourers, 9212: Livestock farm labourers, 9213: Mixed crop and livestock farm labourers, 9214: Garden and horticultural labourers, 9215: Forestry labourers, 9216: Fishery and aquaculture labourers, 9311: Mining and quarrying labourers, 9312: Civil engineering labourers, 9313: Building construction labourers, 9321: Hand packers, 9329: Manufacturing labourers not elsewhere classified, 9331: Hand and pedal vehicle drivers, 9332: Drivers of animal-drawn vehicles and machinery, 9333: Freight handlers, 9334: Shelf fillers, 9411: Fast food preparers, 9412: Kitchen helpers, 9510: Street and related service workers, 9520: Street vendors (excluding food), 9611: Garbage and recycling collectors, 9612: Refuse sorters, 9613: Sweepers and related labourers, 9621: Messengers, package deliverers and luggage porters, 9622: Odd job persons, 9623: Meter readers and vending-machine collectors, 9624: Water and firewood collectors, 9629: Elementary workers not elsewhere classified, 99110: Commissioned armed forces officers, 99210: Non-commissioned armed forces officers, 99310: Armed forces occupations, other ranks

[8] B4_oneDigit: Main Category - ISIC code
Categories: 11111: Agriculture, forestry and fishing, 21111: Mining and quarrying, 31111: Manufacturing, 41111: Electricity, gas, steam and air conditioning supply, 51111: Water supply; sewerage, waste management and remediation activities, 61111: Construction, 71111: Wholesale and retail trade; repair of motor vehicles and motorcycles, 81111: Transportation and storage, 91111: Accommodation and food service activities, 101111: Information and communication, 111111: Financial and insurance activitie, 121111: Real estate activities, 131111: Professional, scientific and technical activities, 141111: Administrative and support service activities, 151111: Public administration and defence; compulsory social security, 161111: Education, 171111: Human health and social work activities, 181111: Arts, entertainment and recreation, 191111: Other service activities, 201111: Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use, 211111: Activities of extraterritorial organizations and bodies

[9] B4_twoDigit: SubCategory level1 - ISIC code
Categories: 1: Crop and animal production, hunting and related service activities, 2: Forestry and logging, 3: Fishing and aquaculture, 5: Mining of coal and lignite, 6: Extraction of crude petroleum and natural gas, 7: Mining of metal ores, 8: Other mining and quarrying, 9: Mining support service activities, 10: Manufacture of food products, 11: Manufacture of beverages, 12: Manufacture of tobacco products, 13: Manufacture of tex

tiles, 14:Manufacture of wearing apparel, 15:Manufacture of leather and related products, 16:Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials, 17:Manufacture of paper and paper products, 18:Printing and reproduction of recorded media, 19:Manufacture of coke and refined petroleum products, 20:Manufacture of chemicals and chemical products, 21:Manufacture of basic pharmaceutical products and pharmaceutical preparations, 22:Manufacture of rubber and plastics products, 23:Manufacture of other non-metallic mineral products, 24:Manufacture of basic metals, 25:Manufacture of fabricated metal products, except machinery and equipment, 26:Manufacture of computer, electronic and optical products, 27:Manufacture of electrical equipment, 28:Manufacture of machinery and equipment n.e.c., 29:Manufacture of motor vehicles, trailers and semi-trailers, 30:Manufacture of other transport equipment, 31:Manufacture of furniture, 32:Other manufacturing, 33:Repair and installation of machinery and equipment, 35:Electricity, gas, steam and air conditioning supply, 36:Water collection, treatment and supply, 37:Sewerage, 38:Waste collection, treatment and disposal activities; materials recovery, 39:Remediation activities and other waste management services, 41:Construction of buildings, 42:Civil engineering, 43:Specialized construction activities, 45:Wholesale and retail trade and repair of motor vehicles and motorcycles, 46:Wholesale trade, except of motor vehicles and motorcycles, 47:Retail trade, except of motor vehicles and motorcycles, 49:Land transport and transport via pipelines, 50:Water transport, 51:Air transport, 52:Warehousing and support activities for transportation, 53:Postal and courier activities, 55:Accommodation, 56:Food and beverage service activities, 58:Publishing activities, 59:Motion picture, video and television programme production, sound recording and music publishing activities, 60:Programming and broadcasting activities, 61:Telecommunications, 62:Computer programming, consultancy and related activities, 63:Information service activities, 64:Financial service activities, except insurance and pension funding, 65:Insurance, reinsurance and pension funding, except compulsory social security, 66:Activities auxiliary to financial service and insurance activities, 68:Real estate activities, 69:Legal and accounting activities, 70:Activities of head offices; management consultancy activities, 71:Architectural and engineering activities; technical testing and analysis, 72:Scientific research and development, 73:Advertising and market research, 74:Other professional, scientific and technical activities, 75:Veterinary activities, 77:Rental and leasing activities, 78:Employment activities, 79:Travel agency, tour operator, reservation service and related activities, 80:Security and investigation activities, 81:Services to buildings and landscape activities, 82:Office administrative, office support and other business support activities, 84:Public administration and defence; compulsory social security, 85:Education, 86:Human health activities, 87:Residential care activities, 88:Social work activities without accommodation, 90:Creative, arts and entertainment activities, 91:Libraries, archives, museums and other cultural activities, 92:Gambling and betting activities, 93:Sports activities and amusement and recreation activities, 94:Activities of membership organizations, 95:Repair of computers and personal and household goods, 96:Other personal service activities, 97:Activities of households as employers of domestic personnel, 98:Undifferentiated goods- and services-producing activities of private households for own use, 99:Activities of extraterritorial organizations and bodies

[10] B4_threeDigit: SubCategory level2 - ISIC code

Categories: 11222:Growing of non-perennial crops, 12222:Growing of perennial crops, 13222:Plant propagation, 14222:Animal production, 15222:Mixed farming, 16222:Support activities to agriculture and post-harvest crop activities, 17222:Hunting, trapping and related service activities, 21222:Silviculture and other forestry activities, 22222:Logging, 23222:Gathering of non-wood forest products, 24222:Support services to forestry, 31222:Fishing, 32222:Aquaculture, 51222:Mining of hard coal, 52222:Mining of lignite, 61222:Extraction of crude petroleum, 62222:Extraction of natural gas, 71222:Mining of iron ores, 72222:Mining of non-ferrous metal ores, 81222:Quarrying of stone, sand and clay, 89222:Mining and quarrying n.e.c., 91222:Support activities for petroleum and natural gas extraction, 99222:Support activities for other mining and quarrying, 101:Processing and preserving of meat, 102:Processing and preserving of fish, crustaceans and molluscs, 103:Processing and preserving of fruit and vegetables, 104:Manufacture of vegetable and animal oils and fats, 105:Manufacture of dairy products, 106:Manufacture of grain mill products, starches and starch products, 107:Manufacture of other food products, 108:Manufacture of prepared animal feeds, 110:Manufacture of beverages, 120:Manufacture of tobacco products, 131:Spinning, weaving and finishing of textiles, 139:Manufacture of other textiles, 141222:Manufacture of wearing apparel, except fur apparel, 142222:Manufacture of articles of fur, 143222:Manufacture of knitted and crocheted apparel, 151:Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur, 152:Manufacture of footwear, 161222:Sawmilling and planing of wood, 162222:Manufacture of products of wood, cork, straw and plaiting materials, 170222:Manufacture of paper and paper products, 181:Printing and service activities related to printing, 182:Reproduction of recorded media, 191:Manufacture of coke oven products, 192:Manufacture of refined petroleum products, 201:Manufacture of basic chemicals, fertilizers and nitrogen compounds, plastics and synthetic rubber in primary forms, 202:Manufacture of other chemical products, 203:Manufacture of man-made fibres, 210222:Manufacture of pharmaceuticals, medicinal chemical and botanical products, 221:Manufacture of rubber products, 222:Manufacture of plastics products, 231:Manufacture of glass and glass products, 239:Manufacture of non-metallic mineral products n.e.c., 241:Manufacture of basic iron and steel, 242:Manufacture of basic precious and other non-ferrous metals, 243:Casting of metals, 251:Manufacture of structural metal products, tanks, reservoirs and steam generators, 252:Manufacture of weapons and ammunition, 259:Manufacture of other fabricated metal products; metalworking service activities, 261:Manufacture of electronic components and boards, 262:Manufacture of computers and peripheral equipment, 263:Manufacture of communication equipment, 264:Manufacture of consumer electronics, 265:Manufacture of measuring, testing, navigating and control equipment; watches and clocks, 266:Manufacture of irradiation, electromedical and electrotherapeutic equipment, 267:Manufacture of optical instruments and photographic equipment, 268:Manufacture of magnetic and optical media, 271:Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus, 272:Manufacture of batteries and accumulators, 273:Manufacture of wiring and wiring devices, 274:Manufacture of electric lighting equipment, 275:Manufacture of domestic appliances, 279:Manufacture of other electrical equipment, 281:Manufacture of general-purpose machinery, 282:Manufacture of special-purpose machinery, 291:Manufacture of motor vehicles, 292:Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers, 293:Manufacture of parts and accessories for motor vehicles, 301:Building of ships and boats, 302:Manufacture of railway locomotives and rolling stock, 303:Manufacture of air and spacecraft and related machinery, 304:Manufacture of military fighting vehicles, 309:Manufacture of transport equipment n.e.c., 310:Manufacture of furniture, 321222:Manufacture of jewellery, bijouterie and related articles, 322222:Manufacture of musical instruments, 323:Manufacture of sports goods, 324:Manufacture of games and toys, 325:Manufacture of medical and dental instruments and supplies, 329:Other manufacturing n.e.c., 331:Repair of fabricated metal products, machinery and equipment, 332:Installation of industrial machinery and equipment, 351:Electric power generation, transmission and distribution, 352:Manufacture of gas; distribution of gaseous fuels through mains, 353:Steam and air conditioning supply, 360:Water collection, treatment and supply, 370:Sewerage, 381:Waste collection, 382:Waste treatment and disposal, 383:Materials recovery, 390:Remediation activities and other waste management services, 410:Construction of buildings, 421:Construction of roads and railways, 422:Construction of utility projects, 429:Construction of other civil engineering projects, 431:Demolition and site preparation, 432:Electrical, plumbing and other construction installation activities, 433:Building completion and finishing, 439:Other specialized construction activities, 451:Sale of motor vehicles, 452:Maintenance and repair of motor vehicles, 453:Sale of motor vehicle parts and accessories, 454:Sale, maintenance and repair of motorcycles and related parts and accessories, 461:Wholesale on a fee or contract basis, 462:Wholesale of agricultural raw materials and live animals, 463:Wholesale of food, beverages and tobacco, 464:Wholesale of household goods, 465:Wholesale of machinery, equipment and supplies, 466:Other specialized wholesale, 469:Non-specialized wholesale trade, 471:Retail sale in non-specialized stores, 472:Retail sale of food, beverages and tobacco in specialized stores, 473:Retail sale of automotive fuel in specialized stores, 474:Retail sale of information and communications equipment in specialized stores, 475:Retail sale of other household equipment in specialized stores, 476:Retail sale of cultural and recreation goods in specialized stores, 477:Retail sale of other goods in specialized stores, 478:Retail sale via stalls and markets, 479:Retail trade not in stores, stalls or markets, 491:Transport via railways, 492:Other land transport, 493:Transport via pipeline, 501:Sea and coastal water transport, 502:Inland water transport, 511:Passenger air transport, 512:Freight air transport, 521:Warehousing and storage, 522:Support activities for transportation, 531:Postal activities,

532:Courier activities, 551:Short term accommodation activities, 552:Camping grounds, recreational vehicle parks and trailer parks, 559:Other accommodation, 561:Restaurants and mobile food service activities, 562:Event catering and other food service activities, 563:Beverage serving activities, 581:Publishing of books, periodicals and other publishing activities, 582:Software publishing, 591:Motion picture, video and television programme activities, 592:Sound recording and music publishing activities, 601:Radio broadcasting, 602:Television programming and broadcasting activities, 611:Wired telecommunications activities, 612:Wireless telecommunications activities, 613:Satellite telecommunications activities, 619:Other telecommunications activities, 620222:Computer programming, consultancy and related activities, 631:Data processing, hosting and related activities; web portals, 639:Other information service activities, 641:Monetary intermediation, 642:Activities of holding companies, 643:Trusts, funds and similar financial entities, 649:Other financial service activities, except insurance and pension funding activities, 651:Insurance, 652:Reinsurance, 653:Pension funding, 661:Activities auxiliary to financial service activities, except insurance and pension funding, 662:Activities auxiliary to insurance and pension funding, 663:Fund management activities, 681:Real estate activities with own or leased property, 682:Real estate activities on a fee or contract basis, 691:Legal activities, 692:Accounting, bookkeeping and auditing activities; tax consultancy, 701:Activities of head offices, 702:Management consultancy activities, 711:Architectural and engineering activities and related technical consultancy, 712:Technical testing and analysis, 721222:Research and experimental development on natural sciences and engineering, 722:Research and experimental development on social sciences and humanities, 731:Advertising, 732:Market research and public opinion polling, 741:Specialized design activities, 742:Photographic activities, 749:Other professional, scientific and technical activities n.e.c., 750:Veterinary activities, 771:Renting and leasing of motor vehicles, 772:Renting and leasing of personal and household goods, 773:Renting and leasing of other machinery, equipment and tangible goods, 774:Leasing of intellectual property and similar products, except copyrighted works, 781:Activities of employment placement agencies, 782:Temporary employment agency activities, 783:Other human resources provision, 791:Travel agency and tour operator activities, 799:Other reservation service and related activities, 801:Private security activities, 802:Security systems service activities, 803:Investigation activities, 811:Combined facilities support activities, 812:Cleaning activities, 813:Landscape care and maintenance service activities, 821:Office administrative and support activities, 822:Activities of call centres, 823:Organization of conventions and trade shows, 829:Business support service activities n.e.c., 841:Administration of the State and the economic and social policy of the community, 842:Provision of services to the community as a whole, 843:Compulsory social security activities, 851:Pre-primary and primary education, 852:Secondary education, 853:Higher education, 854:Other education, 855:Educational support activities, 861:Hospital activities, 862:Medical and dental practice activities, 869:Other human health activities, 871:Residential nursing care facilities, 872:Residential care activities for mental retardation, mental health and substance abuse, 873:Residential care activities for the elderly and disabled, 879:Other residential care activities, 881:Social work activities without accommodation for the elderly and disabled, 889:Other social work activities without accommodation, 900:Creative, arts and entertainment activities, 910222:Libraries, archives, museums and other cultural activities, 920:Gambling and betting activities, 931:Sports activities, 932:Other amusement and recreation activities, 941:Activities of business, employers and professional membership organizations, 942:Activities of trade unions, 949:Activities of other membership organizations, 951:Repair of computers and communication equipment, 952:Repair of personal and household goods, 960:Other personal service activities, 970:Activities of households as employers of domestic personnel, 981:Undifferentiated goods-producing activities of private households for own use, 982:Undifferentiated service-producing activities of private households for own use, 990222:Activities of extraterritorial organizations and bodies

[11] B4_fourDigit: SubCategory level3 - ISIC code

Categories: 111:Growing of cereals (except rice), leguminous crops and oil seeds, 112:Growing of rice, 113:Growing of vegetables and melons, roots and tubers, 114:Growing of sugar cane, 115:Growing of tobacco, 116:Growing of fibre crops, 119:Growing of other non-perennial crops, 121:Growing of grapes, 122:Growing of tropical and subtropical fruits, 123:Growing of citrus fruits, 124:Growing of pome fruits and stone fruits, 125:Growing of other tree and bush fruits and nuts, 126:Growing of oleaginous fruits, 127:Growing of beverage crops, 128:Growing of spices, aromatic, drug and pharmaceutical crops, 129:Growing of other perennial crops, 130:Plant propagation, 141:Raising of cattle and buffaloes, 142:Raising of horses and other equines, 143:Raising of camels and camelids, 144:Raising of sheep and goats, 145:Raising of swine/pigs, 146:Raising of poultry, 149:Raising of other animals, 150:Mixed farming, 161:Support activities for crop production, 162:Support activities for animal production, 163:Post-harvest crop activities, 164:Seed processing for propagation, 170:Hunting, trapping and related service activities, 210:Silviculture and other forestry activities, 220:Logging, 230:Gathering of non-wood forest products, 240:Support services to forestry, 311:Marine fishing, 312:Freshwater fishing, 321:Marine aquaculture, 322:Freshwater aquaculture, 510:Mining of hard coal, 520:Mining of lignite, 610:Extraction of crude petroleum, 620:Extraction of natural gas, 710:Mining of iron ores, 721:Mining of uranium and thorium ores, 729:Mining of other non-ferrous metal ores, 810:Quarrying of stone, sand and clay, 891:Mining of chemical and fertilizer minerals, 892:Extraction of peat, 893:Extraction of salt, 899:Other mining and quarrying n.e.c., 910:Support activities for petroleum and natural gas extraction, 990:Support activities for other mining and quarrying, 1010:Processing and preserving of meat, 1020:Processing and preserving of fish, crustaceans and molluscs, 1030:Processing and preserving of fruit and vegetables, 1040:Manufacture of vegetable and animal oils and fats, 1050:Manufacture of dairy products, 1061:Manufacture of grain mill products, 1062:Manufacture of starches and starch products, 1071:Manufacture of bakery products, 1072:Manufacture of sugar, 1073:Manufacture of cocoa, chocolate and sugar confectionery, 1074:Manufacture of macaroni, noodles, couscous and similar farinaceous products, 1075:Manufacture of prepared meals and dishes, 1079:Manufacture of other food products n.e.c., 1080:Manufacture of prepared animal feeds, 1101:Distilling, rectifying and blending of spirits, 1102:Manufacture of wines, 1103:Manufacture of malt liquors and malt, 1104:Manufacture of soft drinks; production of mineral waters and other bottled waters, 1200:Manufacture of tobacco products, 1311:Preparation and spinning of textile fibres, 1312:Weaving of textiles, 1313:Finishing of textiles, 1391:Manufacture of knitted and crocheted fabrics, 1392:Manufacture of made-up textile articles, except apparel, 1393:Manufacture of carpets and rugs, 1394:Manufacture of cordage, rope, twine and netting, 1399:Manufacture of other textiles n.e.c., 1410:Manufacture of wearing apparel, except fur apparel, 1420:Manufacture of articles of fur, 1430:Manufacture of knitted and crocheted apparel, 1511:Tanning and dressing of leather; dressing and dyeing of fur, 1512:Manufacture of luggage, handbags and the like, saddlery and harness, 1520:Manufacture of footwear, 1610:Sawmilling and planing of wood, 1621:Manufacture of veneer sheets and wood-based panels, 1622:Manufacture of builders� carpentry and joinery, 1623:Manufacture of wooden containers, 1629:Manufacture of other products of wood; manufacture of articles of cork, straw and plaiting materials, 1701:Manufacture of pulp, paper and paperboard, 1702:Manufacture of corrugated paper and paperboard and of containers of paper and paperboard, 1709:Manufacture of other articles of paper and paperboard, 1811:Printing, 1812:Service activities related to printing, 1820:Reproduction of recorded media, 1910:Manufacture of coke oven products, 1920:Manufacture of refined petroleum products, 2011:Manufacture of basic chemicals, 2012:Manufacture of fertilizers and nitrogen compounds, 2013:Manufacture of plastics and synthetic rubber in primary forms, 2021:Manufacture of pesticides and other agrochemical products, 2022:Manufacture of paints, varnishes and similar coatings, printing ink and mastics, 2023:Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations, 2029:Manufacture of other chemical products n.e.c., 2030:Manufacture of man-made fibres, 2100:Manufacture of pharmaceuticals, medicinal chemical and botanical products, 2211:Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres, 2219:Manufacture of other rubber products, 2220:Manufacture of plastics products, 2310:Manufacture of glass and glass products, 2391:Manufacture of refractory products, 2392:Manufacture of clay building materials, 2393:Manufacture of other porcelain and ceramic products, 2394:Manufacture of cement, lime and plaster, 2395:Manufacture of articles of concrete, cement and plaster, 2396:Cutting, shaping and finishing of stone, 2399:Manufacture of other non-metallic mineral products n.e.c., 2410:Manufacture of basic iron and steel, 2420:Manufacture of basic precious and other non-ferrous metals, 2431:Casting of iron and steel, 2432:Casting of non-ferrous metals, 2511:Manufacture of structural metal products, 2512:Manufacture of tanks, reservoirs and containers of metal, 2513:Manufacture of steam generators, except central heating hot water boilers, 2520:Manufacture of weapons and ammunition, 2591:Forging, pressing, stamping and roll-forming of metal; powder metallurgy, 2592:Treatment and coating of met

als; machining, 2593: Manufacture of cutlery, hand tools and general hardware, 2599: Manufacture of other fabricated metal products n.e.c., 2610: Manufacture of electronic components and boards, 2620: Manufacture of computers and peripheral equipment, 2630: Manufacture of communication equipment, 2640: Manufacture of consumer electronics, 2651: Manufacture of measuring, testing, navigating and control equipment, 2652: Manufacture of watches and clocks, 2660: Manufacture of irradiation, electromedical and electrotherapeutic equipment, 2670: Manufacture of optical instruments and photographic equipment, 2680: Manufacture of magnetic and optical media, 2710: Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus, 2720: Manufacture of batteries and accumulators, 2731: Manufacture of fibre optic cables, 2732: Manufacture of other electronic and electric wires and cables, 2733: Manufacture of wiring devices, 2740: Manufacture of electric lighting equipment, 2750: Manufacture of domestic appliances, 2790: Manufacture of other electrical equipment, 2811: Manufacture of engines and turbines, except aircraft, vehicle and cycle engines, 2812: Manufacture of fluid power equipment, 2813: Manufacture of other pumps, compressors, taps and valves, 2814: Manufacture of bearings, gears, gearing and driving elements, 2815: Manufacture of ovens, furnaces and furnace burners, 2816: Manufacture of lifting and handling equipment, 2817: Manufacture of office machinery and equipment (except computers and peripheral equipment), 2818: Manufacture of power-driven hand tools, 2819: Manufacture of other general-purpose machinery, 2821: Manufacture of agricultural and forestry machinery, 2822: Manufacture of metal-forming machinery and machine tools, 2823: Manufacture of machinery for metallurgy, 2824: Manufacture of machinery for mining, quarrying and construction, 2825: Manufacture of machinery for food, beverage and tobacco processing, 2826: Manufacture of machinery for textile, apparel and leather production, 2829: Manufacture of other special-purpose machinery, 2910: Manufacture of motor vehicles, 2920: Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers, 2930: Manufacture of parts and accessories for motor vehicles, 3011: Building of ships and floating structures, 3012: Building of pleasure and sporting boats, 3020: Manufacture of railway locomotives and rolling stock, 3030: Manufacture of air and spacecraft and related machinery, 3040: Manufacture of military fighting vehicles, 3091: Manufacture of motorcycles, 3092: Manufacture of bicycles and invalid carriages, 3099: Manufacture of other transport equipment n.e.c., 3100: Manufacture of furniture, 3211: Manufacture of jewellery and related articles, 3212: Manufacture of imitation jewellery and related articles, 3220: Manufacture of musical instruments, 3230: Manufacture of sports goods, 3240: Manufacture of games and toys, 3250: Manufacture of medical and dental instruments and supplies, 3290: Other manufacturing n.e.c., 3311: Repair of fabricated metal products, 3312: Repair of machinery, 3313: Repair of electronic and optical equipment, 3314: Repair of electrical equipment, 3315: Repair of transport equipment, except motor vehicles, 3319: Repair of other equipment, 3320: Installation of industrial machinery and equipment, 3510: Electric power generation, transmission and distribution, 3520: Manufacture of gas; distribution of gaseous fuels through mains, 3530: Steam and air conditioning supply, 3600: Water collection, treatment and supply, 3700: Sewerage, 3811: Collection of non-hazardous waste, 3812: Collection of hazardous waste, 3821: Treatment and disposal of non-hazardous waste, 3822: Treatment and disposal of hazardous waste, 3830: Materials recovery, 3900: Remediation activities and other waste management services, 4100: Construction of buildings, 4210: Construction of roads and railways, 4220: Construction of utility projects (roads and railways), 4290: Construction of other civil engineering projects, 4311: Demolition, 4312: Site preparation, 4321: Electrical installation, 4322: Plumbing, heat and air-conditioning installation, 4329: Other construction installation, 4330: Building completion and finishing, 4390: Other specialized construction activities, 4510: Sale of motor vehicles, 4520: Maintenance and repair of motor vehicles, 4530: Sale of motor vehicle parts and accessories, 4540: Sale, maintenance and repair of motorcycles and related parts and accessories, 4610: Wholesale on a fee or contract basis, 4620: Wholesale of agricultural raw materials and live animals, 4630: Wholesale of food, beverages and tobacco, 4641: Wholesale of textiles, clothing and footwear, 4649: Wholesale of other household goods, 4651: Wholesale of computers, computer peripheral equipment and software, 4652: Wholesale of electronic and telecommunications equipment and parts, 4653: Wholesale of agricultural machinery, equipment and supplies, 4659: Wholesale of other machinery and equipment, 4661: Wholesale of solid, liquid and gaseous fuels and related products, 4662: Wholesale of metals and metal ores, 4663: Wholesale of construction materials, hardware, plumbing and heating equipment and supplies, 4669: Wholesale of waste and scrap and other products n.e.c., 4690: Non-specialized wholesale trade, 4711: Retail sale in non-specialized stores with food, beverages or tobacco predominating, 4719: Other retail sale in non-specialized stores, 4721: Retail sale of food in specialized stores, 4722: Retail sale of beverages in specialized stores, 4723: Retail sale of tobacco products in specialized stores, 4730: Retail sale of automotive fuel in specialized stores, 4741: Retail sale of computers, peripheral units, software and telecommunications equipment in specialized stores, 4742: Retail sale of audio and video equipment in specialized stores, 4751: Retail sale of textiles in specialized stores, 4752: Retail sale of hardware, paints and glass in specialized stores, 4753: Retail sale of carpets, rugs, wall and floor coverings in specialized stores, 4759: Retail sale of electrical household appliances, furniture, lighting equipment and other household articles in specialized stores, 4761: Retail sale of books, newspapers and stationary in specialized stores, 4762: Retail sale of music and video recordings in specialized stores, 4763: Retail sale of sporting equipment in specialized stores, 4764: Retail sale of games and toys in specialized stores, 4771: Retail sale of clothing, footwear and leather articles in specialized stores, 4772: Retail sale of pharmaceutical and medical goods, cosmetic and toilet articles in specialized stores, 4773: Other retail sale of new goods in specialized stores, 4774: Retail sale of second-hand goods, 4781: Retail sale via stalls and markets of food, beverages and tobacco products, 4782: Retail sale via stalls and markets of textiles, clothing and footwear, 4789: Retail sale via stalls and markets of other goods, 4791: Retail sale via mail order houses or via Internet, 4799: Other retail sale not in stores, stalls or markets, 4911: Passenger rail transport, interurban, 4912: Freight rail transport, 4921: Urban and suburban passenger land transport, 4922: Other passenger land transport, 4923: Freight transport by road, 4930: Transport via pipeline, 5011: Sea and coastal passenger water transport, 5012: Sea and coastal freight water transport, 5021: Inland passenger water transport, 5022: Inland freight water transport, 5110: Passenger air transport, 5120: Freight air transport, 5210: Warehousing and storage, 5221: Service activities incidental to land transportation, 5222: Service activities incidental to water transportation, 5223: Service activities incidental to air transportation, 5224: Cargo handling, 5229: Other transportation support activities, 5310: Postal activities, 5320: Courier activities, 5510: Short term accommodation activities, 5520: Camping grounds, recreational vehicle parks and trailer parks, 5590: Other accommodation, 5610: Restaurants and mobile food service activities, 5621: Event catering, 5629: Other food service activities, 5630: Beverage serving activities, 5811: Book publishing, 5812: Publishing of directories and mailing lists, 5813: Publishing of newspapers, journals and periodicals, 5819: Other publishing activities, 5820: Software publishing, 5911: Motion picture, video and television programme production activities, 5912: Motion picture, video and television programme post-production activities, 5913: Motion picture, video and television programme distribution activities, 5914: Motion picture projection activities, 5920: Sound recording and music publishing activities, 6010: Radio broadcasting, 6020: Television programming and broadcasting activities, 6110: Wired telecommunications activities, 6120: Wireless telecommunications activities, 6130: Satellite telecommunications activities, 6190: Other telecommunications activities, 6201: Computer programming activities, 6202: Computer consultancy and computer facilities management activities, 6209: Other information technology and computer service activities, 6311: Data processing, hosting and related activities, 6312: Web portals, 6391: News agency activities, 6399: Other information service activities n.e.c., 6411: Central banking, 6419: Other monetary intermediation, 6420: Activities of holding companies, 6430: Trusts, funds and similar financial entities, 6491: Financial leasing, 6492: Other credit granting, 6499: Other financial service activities, except insurance and pension funding activities, n.e.c., 6511: Life insurance, 6512: Non-life insurance, 6520: Reinsurance, 6530: Pension funding, 6611: Administration of financial markets, 6612: Security and commodity contracts brokerage, 6619: Other activities auxiliary to financial service activities, 6621: Risk and damage evaluation, 6622: Activities of insurance agents and brokers, 6629: Other activities auxiliary to insurance and pension funding, 6630: Fund management activities, 6810: Real estate activities with own or leased property, 6820: Real estate activities on a fee or contract basis, 6910: Legal activities, 6920: Accounting, bookkeeping and auditing activities; tax consultancy, 7010: Activities of head offices, 7020: Management consultancy activities, 7110: Architectural and engineering activities and related technical consultancy, 7120: Technical testing and analysis, 7210: Research and experimental development on natural sciences and engineering, 7220: Research and experimental development on social sciences and humanities, 7310: Advertising, 7320: Market research and public opinion polling, 7410: Specialized design activities, 7420: Photographic activities, 7490: Other professional, scientific and technical activities n.e.c., 7500: Veterinary activities, 7710: Renting and leasing of motor vehicles, 7721: Renting and leasing of recreational and sport

s goods, 7722: Renting of video tapes and disks, 7729: Renting and leasing of other personal and household goods, 7730: Renting and leasing of other machinery, equipment and tangible goods, 7740: Leasing of intellectual property and similar products, except copyrighted works, 7810: Activities of employment placement agencies, 7820: Temporary employment agency activities, 7830: Other human resources provision, 7911: Travel agency activities, 7912: Tour operator activities, 7990: Other reservation service and related activities, 8010: Private security activities, 8020: Security systems service activities, 8030: Investigation activities, 8110: Combined facilities support activities, 8121: General cleaning of buildings, 8129: Other building and industrial cleaning activities, 8130: Landscape care and maintenance service activities, 8211: Combined office administrative service activities, 8219: Photocopying, document preparation and other specialized office support activities, 8220: Activities of call centres, 8230: Activities of collection agencies and credit bureaus, 8292: Packaging activities, 8299: Other business support service activities n.e.c., 8411: General public administration activities, 8412: Regulation of the activities of providing health care, education, cultural services and other social services, excluding social security, 8413: Regulation of and contribution to more efficient operation of businesses, 8421: Foreign affairs, 8422: Defence activities, 8423: Public order and safety activities, 8430: Compulsory social security activities, 8510: Pre-primary and primary education, 8521: General secondary education, 8522: Technical and vocational secondary education, 8530: Higher education, 8541: Sports and recreation education, 8542: Cultural education, 8549: Other education n.e.c., 8550: Educational support activities, 8610: Hospital activities, 8620: Medical and dental practice activities, 8690: Other human health activities, 8710: Residential nursing care facilities, 8720: Residential care activities for mental retardation, mental health and substance abuse, 8730: Residential care activities for the elderly and disabled, 8790: Other residential care activities, 8810: Social work activities without accommodation for the elderly and disabled, 8890: Other social work activities without accommodation, 9000: Creative, arts and entertainment activities, 9101: Library and archives activities, 9102: Museums activities and operation of historical sites and buildings, 9103: Botanical and zoological gardens and nature reserves activities, 9200: Gambling and betting activities, 9311: Operation of sports facilities, 9312: Activities of sports clubs, 9319: Other sports activities, 9321: Activities of amusement parks and theme parks, 9329: Other amusement and recreation activities n.e.c., 9411: Activities of business and employers membership organizations, 9412: Activities of professional membership organizations, 9420: Activities of trade unions, 9491: Activities of religious organizations, 9492: Activities of political organizations, 9499: Activities of other membership organizations n.e.c., 9511: Repair of computers and peripheral equipment, 9512: Repair of communication equipment, 9521: Repair of consumer electronics, 9522: Repair of household appliances and home and garden equipment, 9523: Repair of footwear and leather goods, 9524: Repair of furniture and home furnishings, 9529: Repair of other personal and household goods, 9601: Washing and (dry-) cleaning of textile and fur products, 9602: Hairdressing and other beauty treatment, 9603: Funeral and related activities, 9609: Other personal service activities n.e.c., 9700: Activities of households as employers of domestic personnel, 9810: Undifferentiated goods-producing activities of private households for own use, 9820: Undifferentiated service-producing activities of private households for own use, 9900: Activities of extraterritorial organizations and bodies

[12] B15_twoDigit: SubCategory Level1 - ISCO code

Categories: 11: Chief executives, senior officials and legislators, 12: Administrative and commercial managers, 13: Production and specialized services managers, 14: Hospitality, retail and other services managers, 21: Science and engineering professionals, 22: Health professionals, 23: Teaching professionals, 24: Business and administration professionals, 25: Information and communications technology professionals, 26: Legal, social and cultural professionals, 31: Science and engineering associate professionals, 32: Health associate professionals, 33: Business and administration associate professionals, 34: Legal, social, cultural and related associate professionals, 35: Information and communications technicians, 41: General and keyboard clerks, 42: Customer services clerks, 43: Numerical and material recording clerks, 44: Other clerical support workers, 51: Personal service workers, 52: Sales workers, 53: Personal care workers, 54: Protective services workers, 61: Market-oriented skilled agricultural workers, 62: Market-oriented skilled forestry, fishery and hunting workers, 63: Subsistence farmers, fishers, hunters and gatherers, 71: Building and related trades workers, excluding electricians, 72: Metal, machinery and related trades workers, 73: Handicraft and printing workers, 74: Electrical and electronic trades workers, 75: Food processing, wood working, garment and other craft and related trades workers, 81: Stationary plant and machine operators, 82: Assemblers, 83: Drivers and mobile plant operators, 91: Cleaners and helpers, 92: Agricultural, forestry and fishery labourers, 93: Labourers in mining, construction, manufacturing and transport, 94: Food preparation assistants, 95: Street and related sales and service workers, 96: Refuse workers and other elementary workers, 991: Commissioned armed forces officers, 992: Non-commissioned armed forces officers, 993: Armed forces occupations, other ranks

[13] B15_threeDigit: SubCategory Level2 - ISCO code

Categories: 111: Legislators and senior officials, 112: Managing directors and chief executives, 121: Business services and administration managers, 122: Sales, marketing and development managers, 131: Production managers in agriculture, forestry and fisheries, 132: Manufacturing, mining, construction, and distribution managers, 133: Information and communications technology service managers, 134: Professional services managers, 141: Hotel and restaurant managers, 142: Retail and wholesale trade managers, 143: Other services managers, 211: Physical and earth science professionals, 212: Mathematicians, actuaries and statisticians, 213: Life science professionals, 214: Engineering professionals (excluding electrotechnology), 215: Electrotechnology engineers, 216: Architects, planners, surveyors and designers, 221: Medical doctors, 222: Nursing and midwifery professionals, 223: Traditional and complementary medicine professionals, 224: Paramedical practitioners, 225: Veterinarians, 226: Other health professionals, 231: University and higher education teachers, 232: Vocational education teachers, 233: Secondary education teachers, 234: Primary school and early childhood teachers, 235: Other teaching professionals, 241: Finance professionals, 242: Administration professionals, 243: Sales, marketing and public relations professionals, 251: Software and applications developers and analysts, 252: Database and network professionals, 261: Legal professionals, 262: Librarians, archivists and curators, 263: Social and religious professionals, 264: Authors, journalists and linguists, 265: Creative and performing artists, 311: Physical and engineering science technicians, 312: Mining, manufacturing and construction supervisors, 313: Process control technicians, 314: Life science technicians and related associate professionals, 315: Ship and aircraft controllers and technicians, 321: Medical and pharmaceutical technicians, 322: Nursing and midwifery associate professionals, 323: Traditional and complementary medicine associate professionals, 324: Veterinary technicians and assistants, 325: Other health associate professionals, 331: Financial and mathematical associate professionals, 332: Sales and purchasing agents and brokers, 333: Business services agents, 334: Administrative and specialized secretaries, 335: Regulatory government associate professionals, 341: Legal, social and religious associate professionals, 342: Sports and fitness workers, 343: Artistic, cultural and culinary associate professionals, 351: Information and communications technology operations and user support technicians, 352: Telecommunications and broadcasting technicians, 411: General office clerks, 412: Secretaries (general), 413: Keyboard operators, 421: Tellers, money collectors and related clerks, 422: Client information workers, 431: Numerical clerks, 432: Material-recording and transport clerks, 441: Other clerical support workers, 511: Travel attendants, conductors and guides, 512: Cooks, 513: Waiters and bartenders, 514: Hairdressers, beauticians and related workers, 515: Building and housekeeping supervisors, 516: Other personal services workers, 521: Street and market salespersons, 522: Shop salespersons, 523: Cashiers and ticket clerks, 524: Other sales workers, 531: Child care workers and teachers' aides, 532: Personal care workers in health services, 541: Protective services workers, 611: Market gardeners and crop growers, 612: Animal producers, 613: Mixed crop and animal producers, 621: Forestry and related workers, 622: Fishery workers, hunters and trappers, 631: Subsistence crop farmers, 632: Subsistence livestock farmers, 633: Subsistence mixed crop and livestock farmers, 634: Subsistence fishers, hunters, trappers and gatherers, 711: Building frame and related trades workers, 712: Building finishers and related trades workers, 713: Painters, building structure cleaners and related trades workers, 721: Sheet and structural metal workers, moulders and welders, and related workers, 722: Blacksmiths, toolmakers and related workers, 723: Machinery mechanics and repairers, 731: Handicraft workers, 732: Printing trades workers, 741: Electrical equipment installers and repairers, 742: Electronics and telecommunications installers and repairers, 751: Food processing and related trades workers, 752: Wood treaters, cabinet-makers and related trades wor

kers, 753:Garment and related trades workers, 754:Other craft and related workers, 811:Mining and mineral processing plant operators, 812:Metal processing and finishing plant operators, 813:Chemical and photographic products plant and machine operators, 814:Rubber, plastic and paper products machine operators, 815:Textile, fur and leather products machine operators, 816:Food and related products machine operators, 817:Wood processing and papermaking plant operators, 818:Other stationary plant and machine operators, 821:Assemblers, 831:Locomotive engine drivers and related workers, 833:Heavy truck and bus drivers, 834:Mobile plant operators, 835:Ships' deck crews and related workers, 911:Domestic, hotel and office cleaners and helpers, 912:Vehicle, window, laundry and other hand cleaning workers, 921:Agricultural, forestry and fishery labourers, 931:Mining and construction labourers, 932:Manufacturing labourers, 933:Transport and storage labourers, 941:Food preparation assistants, 951:Street and related service workers, 952:Street vendors (excluding food), 961:Refuse workers, 962:Other elementary workers, 9911:Commissioned armed forces officers, 9921:Non-commissioned armed forces officers, 9931:Armed forces occupations, other ranks

[14] **B15_fourDigit: SubCategory Level3 - ISCO code**

Categories: 1111:Legislators, 1112:Senior government officials, 1113:Traditional chiefs and heads of village, 1114:Senior officials of special-interest organizations, 1120:Managing directors and chief executives, 1211:Finance managers, 1212:Human resource managers, 1213:Policy and planning managers, 1219:Business services and administration managers not elsewhere classified, 1221:Sales and marketing managers, 1222:Advertising and public relations managers, 1223:Research and development managers, 1311:Agricultural and forestry production managers, 1312:Aquaculture and fisheries production managers, 1321:Manufacturing managers, 1322:Mining managers, 1323:Construction managers, 1324:Supply, distribution and related managers, 1330:Information and communications technology service managers, 1341:Child care services managers, 1342:Health services managers, 1343:Aged care services managers, 1344:Social welfare managers, 1345:Education managers, 1346:Financial and insurance services branch managers, 1349:Professional services managers not elsewhere classified, 1411:Hotel managers, 1412:Restaurant managers, 1420:Retail and wholesale trade managers, 1431:Sports, recreation and cultural centre managers, 1439:Services managers not elsewhere classified, 2111:Physicists and astronomers, 2112:Meteorologists, 2113:Chemists, 2114:Geologists and geophysicists, 2120:Mathematicians, actuaries and statisticians, 2131:Biologists, botanists, zoologists and related professionals, 2132:Farming, forestry and fisheries advisers, 2133:Environmental protection professionals, 2141:Industrial and production engineers, 2142:Civil engineers, 2143:Environmental engineers, 2144:Mechanical engineers, 2145:Chemical engineers, 2146:Mining engineers, metallurgists and related professionals, 2149:Engineering professionals not elsewhere classified, 2151:Electrical engineers, 2152:Electronics engineers, 2153:Telecommunications engineers, 2161:Building architects, 2162:Landscape architects, 2163:Product and garment designers, 2164:Town and traffic planners, 2165:Cartographers and surveyors, 2166:Graphic and multimedia designers, 2211:Generalist medical practitioners, 2212:Specialist medical practitioners, 2221:Nursing professionals, 2222:Midwifery professionals, 2230:Traditional and complementary medicine professionals, 2240:Paramedical practitioners, 2250:Veterinarians, 2261:Dentists, 2262:Pharmacists, 2263:Environmental and occupational health and hygiene professionals, 2264:Physiotherapists, 2265:Dieticians and nutritionists, 2266:Audiologists and speech therapists, 2267:Optometrists and ophthalmic opticians, 2269:Health professionals not elsewhere classified, 2310:University and higher education teachers, 2320:Vocational education teachers, 2330:Secondary education teachers, 2341:Primary school teachers, 2342:Early childhood educators, 2351:Education methods specialists, 2352:Special needs teachers, 2353:Other language teachers, 2354:Other music teachers, 2355:Other arts teachers, 2356:Information technology trainers, 2359:Teaching professionals not elsewhere classified, 2411:Accountants, 2412:Financial and investment advisers, 2413:Financial analysts, 2421:Management and organization analysts, 2422:Policy administration professionals, 2423:Personnel and careers professionals, 2424:Training and staff development professionals, 2431:Advertising and marketing professionals, 2432:Public relations professionals, 2433:Technical and medical sales professionals (excluding ICT), 2434:Information and communications technology sales professionals, 2511:Systems analysts, 2512:Software developers, 2513:Web and multimedia developers, 2514:Applications programmers, 2519:Software and applications developers and analysts not elsewhere classified, 2521:Database designers and administrators, 2522:Systems administrators, 2523:Computer network professionals, 2529:Database and network professionals not elsewhere classified, 2611:Lawyers, 2612:Judges, 2619:Legal professionals not elsewhere classified, 2621:Archivists and curators, 2622:Librarians and related information professionals, 2631:Economists, 2632:Sociologists, anthropologists and related professionals, 2633:Philosophers, historians and political scientists, 2634:Psychologists, 2635:Social work and counselling professionals, 2636:Religious professionals, 2641:Authors and related writers, 2642:Journalists, 2643:Translators, interpreters and other linguists, 2651:Visual artists, 2652:Musicians, singers and composers, 2653:Dancers and choreographers, 2654:Film, stage and related directors and producers, 2655:Actors, 2656:Announcers on radio, television and other media, 2659:Creative and performing artists not elsewhere classified, 3111:Chemical and physical science technicians, 3112:Civil engineering technicians, 3113:Electrical engineering technicians, 3114:Electronics engineering technicians, 3115:Mechanical engineering technicians, 3116:Chemical engineering technicians, 3117:Mining and metallurgical technicians, 3118:Draughtspersons, 3119:Physical and engineering science technicians not elsewhere classified, 3121:Mining supervisors, 3122:Manufacturing supervisors, 3123:Construction supervisors, 3131:Power production plant operators, 3132:Incinerator and water treatment plant operators, 3133:Chemical processing plant controllers, 3134:Petroleum and natural gas refining plant operators, 3135:Metal production process controllers, 3139:Process control technicians not elsewhere classified, 3141:Life science technicians (excluding medical), 3142:Agricultural technicians, 3143:Forestry technicians, 3151:Ships' engineers, 3152:Ships' deck officers and pilots, 3153:Aircraft pilots and related associate professionals, 3154:Air traffic controllers, 3155:Air traffic safety electronics technicians, 3211:Medical imaging and therapeutic equipment technicians, 3212:Medical and pathology laboratory technicians, 3213:Pharmaceutical technicians and assistants, 3214:Medical and dental prosthetic technicians, 3221:Nursing associate professionals, 3222:Midwifery associate professionals, 3230:Traditional and complementary medicine associate professionals, 3240:Veterinary technicians and assistants, 3251:Dental assistants and therapists, 3252:Medical records and health information technicians, 3253:Community health workers, 3254:Dispensing opticians, 3255:Physiotherapy technicians and assistants, 3256:Medical assistants, 3257:Environmental and occupational health inspectors and associates, 3258:Ambulance workers, 3259:Health associate professionals not elsewhere classified, 3311:Securities and finance dealers and brokers, 3312:Credit and loans officers, 3313:Accounting associate professionals, 3314:Statistical, mathematical and related associate professionals, 3315:Valuers and loss assessors, 3321:Insurance representatives, 3322:Commercial sales representatives, 3323:Buyers, 3324:Trade brokers, 3331:Clearing and forwarding agents, 3332:Conference and event planners, 3333:Employment agents and contractors, 3334:Real estate agents and property managers, 3339:Business services agents not elsewhere classified, 3341:Office supervisors, 3342:Legal secretaries, 3343:Administrative and executive secretaries, 3344:Medical secretaries, 3351:Customs and border inspectors, 3352:Government tax and excise officials, 3353:Government social benefits officials, 3354:Government licensing officials, 3355:Police inspectors and detectives, 3359:Regulatory government associate professionals not elsewhere classified, 3411:Legal and related associate professionals, 3412:Social work associate professionals, 3413:Religious associate professionals, 3421:Athletes and sports players, 3422:Sports coaches, instructors and officials, 3423:Fitness and recreation instructors and program leaders, 3431:Photographers, 3432:Interior designers and decorators, 3433:Gallery, museum and library technicians, 3434:Chefs, 3435:Other artistic and cultural associate professionals, 3511:Information and communications technology operations technicians, 3512:Information and communications technology user support technicians, 3513:Computer network and systems technicians, 3514:Web technicians, 3521:Broadcasting and audio-visual technicians, 3522:Telecommunications engineering technicians, 4110:General office clerks, 4120:Secretaries (general), 4131:Typists and word processing operators, 4132:Data entry clerks, 4211:Bank tellers and related clerks, 4212:Bookmakers, croupiers and related gaming workers, 4213:Pawnbrokers and money-lenders, 4214:Debt-collectors and related workers, 4221:Travel consultants and clerks, 4222:Contact centre information clerks, 4223:Telephone switchboard operators, 4224:Hotel receptionists, 4225:Enquiry clerks, 4226:Receptionists (general), 4227:Survey and market research interviewers, 4229:Client information workers not elsewhere classified, 4311:Accounting and bookkeeping clerks, 4312:Statistical, finance and insurance clerks, 4313:Payroll clerks,

4321: Stock clerks, 4322: Production clerks, 4323: Transport clerks, 4411: Library clerks, 4412: Mail carriers and sorting clerks, 4413: Coding, proof-reading and related clerks, 4414: Scribes and related workers, 4415: Filing and copying clerks, 4416: Personnel clerks, 4419: Clerical support workers not elsewhere classified, 5111: Travel attendants and travel stewards, 5112: Transport conductors, 5113: Travel guides, 5120: Cooks, 5131: Waiters, 5132: Bartenders, 5141: Hairdressers, 5142: Beauticians and related workers, 5151: Cleaning and housekeeping supervisors in offices, hotels and other establishments, 5152: Domestic housekeepers, 5153: Building caretakers, 5161: Astrologers, fortune-tellers and related workers, 5162: Companions and valets, 5163: Undertakers and embalmers, 5164: Pet groomers and animal care workers, 5165: Driving instructors, 5169: Personal services workers not elsewhere classified, 5211: Stall and market salespersons, 5212: Street food salespersons, 5221: Shop keepers, 5222: Shop supervisors, 5223: Shop sales assistants, 5230: Cashiers and ticket clerks, 5241: Fashion and other models, 5242: Sales demonstrators, 5243: Door to door salespersons, 5244: Contact centre salespersons, 5245: Service station attendants, 5246: Food service counter attendants, 5249: Sales workers not elsewhere classified, 5311: Child care workers, 5312: Teachers' aides, 5321: Health care assistants, 5322: Home-based personal care workers, 5329: Personal care workers in health services not elsewhere classified, 5411: Fire-fighters, 5412: Police officers, 5413: Prison guards, 5414: Security guards, 5419: Protective services workers not elsewhere classified, 6111: Field crop and vegetable growers, 6112: Tree and shrub crop growers, 6113: Gardeners, horticultural and nursery growers, 6114: Mixed crop growers, 6121: Livestock and dairy producers, 6122: Poultry producers, 6123: Apiarists and sericulturists, 6129: Animal producers not elsewhere classified, 6130: Mixed crop and animal producers, 6210: Forestry and related workers, 6221: Aquaculture workers, 6222: Inland and coastal waters fishery workers, 6223: Deep-sea fishery workers, 6224: Hunters and trappers, 6310: Subsistence crop farmers, 6320: Subsistence livestock farmers, 6330: Subsistence mixed crop and livestock farmers, 6340: Subsistence fishers, hunters, trappers and gatherers, 7111: House builders, 7112: Bricklayers and related workers, 7113: Stonemasons, stone cutters, splitters and carvers, 7114: Concrete placers, concrete finishers and related workers, 7115: Carpenters and joiners, 7119: Building frame and related trades workers not elsewhere classified, 7121: Roofers, 7122: Floor layers and tile setters, 7123: Plasterers, 7124: Insulation workers, 7125: Glaziers, 7126: Plumbers and pipe fitters, 7127: Air conditioning and refrigeration mechanics, 7131: Painters and related workers, 7132: Spray painters and varnishers, 7133: Building structure cleaners, 7211: Metal moulders and coremakers, 7212: Welders and flamecutters, 7213: Sheet-metal workers, 7214: Structural-metal preparers and erectors, 7215: Riggers and cable splicers, 7221: Blacksmiths, hammersmiths and forging press workers, 7222: Toolmakers and related workers, 7223: Metal working machine tool setters and operators, 7224: Metal polishers, wheel grinders and tool sharpeners, 7231: Motor vehicle mechanics and repairers, 7232: Aircraft engine mechanics and repairers, 7233: Agricultural and industrial machinery mechanics and repairers, 7234: Bicycle and related repairers, 7311: Precision-instrument makers and repairers, 7312: Musical instrument makers and tuners, 7313: Jewellery and precious-metal workers, 7314: Potters and related workers, 7315: Glass makers, cutters, grinders and finishers, 7316: Sign writers, decorative painters, engravers and etchers, 7317: Handicraft workers in wood, basketry and related materials, 7318: Handicraft workers in textile, leather and related materials, 7319: Handicraft workers not elsewhere classified, 7321: Pre-press technicians, 7322: Printers, 7323: Print finishing and binding workers, 7411: Building and related electricians, 7412: Electrical mechanics and fitters, 7413: Electrical line installers and repairers, 7421: Electronics mechanics and servicers, 7422: Information and communications technology installers and servicers, 7511: Butchers, fishmongers and related food preparers, 7512: Bakers, pastry-cooks and confectionery makers, 7513: Dairy-products makers, 7514: Fruit, vegetable and related preservers, 7515: Food and beverage tasters and graders, 7516: Tobacco preparers and tobacco products makers, 7521: Wood treaters, 7522: Cabinet-makers and related workers, 7523: Woodworking-machine tool setters and operators, 7531: Tailors, dressmakers, furriers and hatters, 7532: Garment and related pattern-makers and cutters, 7533: Sewing, embroidery and related workers, 7534: Upholsterers and related workers, 7535: Pelt dressers, tanners and fellmongers, 7536: Shoemakers and related workers, 7541: Underwater divers, 7542: Shotfirers and blasters, 7543: Product graders and testers (excluding foods and beverages), 7544: Fumigators and other pest and weed controllers, 7549: Craft and related workers not elsewhere classified, 8111: Miners and quarriers, 8112: Mineral and stone processing plant operators, 8113: Well drillers and borers and related workers, 8114: Cement, stone and other mineral products machine operators, 8121: Metal processing plant operators, 8122: Metal finishing, plating and coating machine operators, 8131: Chemical products plant and machine operators, 8132: Photographic products machine operators, 8141: Rubber products machine operators, 8142: Plastic products machine operators, 8143: Paper products machine operators, 8151: Fibre preparing, spinning and winding machine operators, 8152: Weaving and knitting machine operators, 8153: Sewing machine operators, 8154: Bleaching, dyeing and fabric cleaning machine operators, 8155: Fur and leather preparing machine operators, 8156: Shoemaking and related machine operators, 8157: Laundry machine operators, 8159: Textile, fur and leather products machine operators not elsewhere classified, 8160: Food and related products machine operators, 8171: Pulp and papermaking plant operators, 8172: Wood processing plant operators, 8181: Glass and ceramics plant operators, 8182: Steam engine and boiler operators, 8183: Packing, bottling and labelling machine operators, 8189: Stationary plant and machine operators not elsewhere classified, 8211: Mechanical machinery assemblers, 8212: Electrical and electronic equipment assemblers, 8219: Assemblers not elsewhere classified, 8311: Locomotive engine drivers, 8312: Railway brake, signal and switch operators, 832: Car, van and motorcycle drivers, 8321: Motorcycle drivers, 8322: Car, taxi and van drivers, 8331: Bus and tram drivers, 8332: Heavy truck and lorry drivers, 8341: Mobile farm and forestry plant operators, 8342: Earthmoving and related plant operators, 8343: Crane, hoist and related plant operators, 8344: Lifting truck operators, 8350: Ships' deck crews and related workers, 9111: Domestic cleaners and helpers, 9112: Cleaners and helpers in offices, hotels and other establishments, 9121: Hand launderers and pressers, 9122: Vehicle cleaners, 9123: Window cleaners, 9129: Other cleaning workers, 9211: Crop farm labourers, 9212: Livestock farm labourers, 9213: Mixed crop and livestock farm labourers, 9214: Garden and horticultural labourers, 9215: Forestry labourers, 9216: Fishery and aquaculture labourers, 9311: Mining and quarrying labourers, 9312: Civil engineering labourers, 9313: Building construction labourers, 9321: Hand packers, 9329: Manufacturing labourers not elsewhere classified, 9331: Hand and pedal vehicle drivers, 9332: Drivers of animal-drawn vehicles and machinery, 9333: Freight handlers, 9334: Shelf fillers, 9411: Fast food preparers, 9412: Kitchen helpers, 9510: Street and related service workers, 9520: Street vendors (excluding food), 9611: Garbage and recycling collectors, 9612: Refuse sorters, 9613: Sweepers and related labourers, 9621: Messengers, package deliverers and luggage porters, 9622: Odd job persons, 9623: Meter readers and vending-machine collectors, 9624: Water and firewood collectors, 9629: Elementary workers not elsewhere classified, 99110: Commissioned armed forces officers, 99210: Non-commissioned armed forces officers, 99310: Armed forces occupations, other ranks

[15] B16_oneDigit: Main Category - ISIC code

Categories: 11111: Agriculture, forestry and fishing, 21111: Mining and quarrying, 31111: Manufacturing, 41111: Electricity, gas, steam and air conditioning supply, 51111: Water supply; sewerage, waste management and remediation activities, 61111: Construction, 71111: Wholesale and retail trade; repair of motor vehicles and motorcycles, 81111: Transportation and storage, 91111: Accommodation and food service activities, 101111: Information and communication, 111111: Financial and insurance activitie, 121111: Real estate activities, 131111: Professional, scientific and technical activities, 141111: Administrative and support service activities, 151111: Public administration and defence; compulsory social security, 161111: Education, 171111: Human health and social work activities, 181111: Arts, entertainment and recreation, 191111: Other service activities, 201111: Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use, 211111: Activities of extraterritorial organizations and bodies

[16] B16_twoDigit: SubCategory level1 - ISIC code

Categories: 1: Crop and animal production, hunting and related service activities, 2: Forestry and logging, 3: Fishing and aquaculture, 5: Mining of coal and lignite, 6: Extraction of crude petroleum and natural gas, 7: Mining of metal ores, 8: Other mining and quarrying, 9: Mining support service activities, 10: Manufacture of food products, 11: Manufacture of beverages, 12: Manufacture of tobacco products, 13: Manufacture of textiles, 14: Manufacture of wearing apparel, 15: Manufacture of leather and related products, 16: Manufacture of wood and of products of wood a

nd cork, except furniture; manufacture of articles of straw and plaiting materials, 17:Manufacture of paper and paper products, 18:Printing and reproduction of recorded media, 19:Manufacture of coke and refined petroleum products, 20:Manufacture of chemicals and chemical products, 21:Manufacture of basic pharmaceutical products and pharmaceutical preparations, 22:Manufacture of rubber and plastics products, 23:Manufacture of other non-metallic mineral products, 24:Manufacture of basic metals, 25:Manufacture of fabricated metal products, except machinery and equipment, 26:Manufacture of computer, electronic and optical products, 27:Manufacture of electrical equipment, 28:Manufacture of machinery and equipment n.e.c., 29:Manufacture of motor vehicles, trailers and semi-trailers, 30:Manufacture of other transport equipment, 31:Manufacture of furniture, 32:Other manufacturing, 33:Repair and installation of machinery and equipment, 35:Electricity, gas, steam and air conditioning supply, 36:Water collection, treatment and supply, 37:Sewerage, 38:Waste collection, treatment and disposal activities; materials recovery, 39:Remediation activities and other waste management services, 41:Construction of buildings, 42:Civil engineering, 43:Specialized construction activities, 45:Wholesale and retail trade and repair of motor vehicles and motorcycles, 46:Wholesale trade, except of motor vehicles and motorcycles, 47:Retail trade, except of motor vehicles and motorcycles, 49:Land transport and transport via pipelines, 50:Water transport, 51:Air transport, 52:Warehousing and support activities for transportation, 53:Postal and courier activities, 55:Accommodation, 56:Food and beverage service activities, 58:Publishing activities, 59:Motion picture, video and television programme production, sound recording and music publishing activities, 60:Programming and broadcasting activities, 61:Telecommunications, 62:Computer programming, consultancy and related activities, 63:Information service activities, 64:Financial service activities, except insurance and pension funding, 65:Insurance, reinsurance and pension funding, except compulsory social security, 66:Activities auxiliary to financial service and insurance activities, 68:Real estate activities, 69:Legal and accounting activities, 70:Activities of head offices; management consultancy activities, 71:Architectural and engineering activities; technical testing and analysis, 72:Scientific research and development, 73:Advertising and market research, 74:Other professional, scientific and technical activities, 75:Veterinary activities, 77:Rental and leasing activities, 78:Employment activities, 79:Travel agency, tour operator, reservation service and related activities, 80:Security and investigation activities, 81:Services to buildings and landscape activities, 82:Office administrative, office support and other business support activities, 84:Public administration and defence; compulsory social security, 85:Education, 86:Human health activities, 87:Residential care activities, 88:Social work activities without accommodation, 90:Creative, arts and entertainment activities, 91:Libraries, archives, museums and other cultural activities, 92:Gambling and betting activities, 93:Sports activities and amusement and recreation activities, 94:Activities of membership organizations, 95:Repair of computers and personal and household goods, 96:Other personal service activities, 97:Activities of households as employers of domestic personnel, 98:Undifferentiated goods- and services-producing activities of private households for own use, 99:Activities of extraterritorial organizations and bodies

[17] B16_threeDigit: SubCategory level2 - ISIC code

Categories: 11222:Growing of non-perennial crops, 12222:Growing of perennial crops, 13222:Plant propagation, 14222:Animal production, 15222:Mixed farming, 16222:Support activities to agriculture and post-harvest crop activities, 17222:Hunting, trapping and related service activities, 21222:Silviculture and other forestry activities, 22222:Logging, 23222:Gathering of non-wood forest products, 24222:Support services to forestry, 31222:Fishing, 32222:Aquaculture, 51222:Mining of hard coal, 52222:Mining of lignite, 61222:Extraction of crude petroleum, 62222:Extraction of natural gas, 71222:Mining of iron ores, 72222:Mining of non-ferrous metal ores, 81222:Quarrying of stone, sand and clay, 89222:Mining and quarrying n.e.c., 91222:Support activities for petroleum and natural gas extraction, 99222:Support activities for other mining and quarrying, 101:Processing and preserving of meat, 102:Processing and preserving of fish, crustaceans and molluscs, 103:Processing and preserving of fruit and vegetables, 104:Manufacture of vegetable and animal oils and fats, 105:Manufacture of dairy products, 106:Manufacture of grain mill products, starches and starch products, 107:Manufacture of other food products, 108:Manufacture of prepared animal feeds, 110:Manufacture of beverages, 120:Manufacture of tobacco products, 131:Spinning, weaving and finishing of textiles, 139:Manufacture of other textiles, 141222:Manufacture of wearing apparel, except fur apparel, 142222:Manufacture of articles of fur, 143222:Manufacture of knitted and crocheted apparel, 151:Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur, 152:Manufacture of footwear, 161222:Sawmilling and planing of wood, 162222:Manufacture of products of wood, cork, straw and plaiting materials, 170222:Manufacture of paper and paper products, 181:Printing and service activities related to printing, 182:Reproduction of recorded media, 191:Manufacture of coke oven products, 192:Manufacture of refined petroleum products, 201:Manufacture of basic chemicals, fertilizers and nitrogen compounds, plastics and synthetic rubber in primary forms, 202:Manufacture of other chemical products, 203:Manufacture of man-made fibres, 210222:Manufacture of pharmaceuticals, medicinal chemical and botanical products, 221:Manufacture of rubber products, 222:Manufacture of plastics products, 231:Manufacture of glass and glass products, 239:Manufacture of non-metallic mineral products n.e.c., 241:Manufacture of basic iron and steel, 242:Manufacture of basic precious and other non-ferrous metals, 243:Casting of metals, 251:Manufacture of structural metal products, tanks, reservoirs and steam generators, 252:Manufacture of weapons and ammunition, 259:Manufacture of other fabricated metal products; metalworking service activities, 261:Manufacture of electronic components and boards, 262:Manufacture of computers and peripheral equipment, 263:Manufacture of communication equipment, 264:Manufacture of consumer electronics, 265:Manufacture of measuring, testing, navigating and control equipment; watches and clocks, 266:Manufacture of irradiation, electromedical and electrotherapeutic equipment, 267:Manufacture of optical instruments and photographic equipment, 268:Manufacture of magnetic and optical media, 271:Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus, 272:Manufacture of batteries and accumulators, 273:Manufacture of wiring and wiring devices, 274:Manufacture of electric lighting equipment, 275:Manufacture of domestic appliances, 279:Manufacture of other electrical equipment, 281:Manufacture of general-purpose machinery, 282:Manufacture of special-purpose machinery, 291:Manufacture of motor vehicles, 292:Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers, 293:Manufacture of parts and accessories for motor vehicles, 301:Building of ships and boats, 302:Manufacture of railway locomotives and rolling stock, 303:Manufacture of air and spacecraft and related machinery, 304:Manufacture of military fighting vehicles, 309:Manufacture of transport equipment n.e.c., 310:Manufacture of furniture, 321222:Manufacture of jewellery, bijouterie and related articles, 322222:Manufacture of musical instruments, 323:Manufacture of sports goods, 324:Manufacture of games and toys, 325:Manufacture of medical and dental instruments and supplies, 329:Other manufacturing n.e.c., 331:Repair of fabricated metal products, machinery and equipment, 332:Installation of industrial machinery and equipment, 351:Electric power generation, transmission and distribution, 352:Manufacture of gas; distribution of gaseous fuels through mains, 353:Steam and air conditioning supply, 360:Water collection, treatment and supply, 370:Sewerage, 381:Waste collection, 382:Waste treatment and disposal, 383:Materials recovery, 390:Remediation activities and other waste management services, 410:Construction of buildings, 421:Construction of roads and railways, 422:Construction of utility projects, 429:Construction of other civil engineering projects, 431:Demolition and site preparation, 432:Electrical, plumbing and other construction installation activities, 433:Building completion and finishing, 439:Other specialized construction activities, 451:Sale of motor vehicles, 452:Maintenance and repair of motor vehicles, 453:Sale of motor vehicle parts and accessories, 454:Sale, maintenance and repair of motorcycles and related parts and accessories, 461:Wholesale on a fee or contract basis, 462:Wholesale of agricultural raw materials and live animals, 463:Wholesale of food, beverages and tobacco, 464:Wholesale of household goods, 465:Wholesale of machinery, equipment and supplies, 466:Other specialized wholesale, 469:Non-specialized wholesale trade, 471:Retail sale in non-specialized stores, 472:Retail sale of food, beverages and tobacco in specialized stores, 473:Retail sale of automotive fuel in specialized stores, 474:Retail sale of information and communications equipment in specialized stores, 475:Retail sale of other household equipment in specialized stores, 476:Retail sale of cultural and recreation goods in specialized stores, 477:Retail sale of other goods in specialized stores, 478:Retail sale via stalls and markets, 479:Retail trade not in stores, stalls or markets, 491:Transport via railways, 492:Other land transport, 493:Transport via pipeline, 501:Sea and coastal water transport, 502:Inland water transport, 511:Passenger air transport, 512:Freight air transport, 521:Warehousing and storage, 522:Support activities for transportation, 531:Postal activities, 532:Courier activities, 551:Short term accommodation activities, 552:Camping grounds, recreational vehicle parks and trailer parks, 559:Oth

er accommodation, 561: Restaurants and mobile food service activities, 562: Event catering and other food service activities, 563: Beverage serving activities, 581: Publishing of books, periodicals and other publishing activities, 582: Software publishing, 591: Motion picture, video and television programme activities, 592: Sound recording and music publishing activities, 601: Radio broadcasting, 602: Television programming and broadcasting activities, 611: Wired telecommunications activities, 612: Wireless telecommunications activities, 613: Satellite telecommunications activities, 619: Other telecommunications activities, 620222: Computer programming, consultancy and related activities, 631: Data processing, hosting and related activities; web portals, 639: Other information service activities, 641: Monetary intermediation, 642: Activities of holding companies, 643: Trusts, funds and similar financial entities, 649: Other financial service activities, except insurance and pension funding activities, 651: Insurance, 652: Reinsurance, 653: Pension funding, 661: Activities auxiliary to financial service activities, except insurance and pension funding, 662: Activities auxiliary to insurance and pension funding, 663: Fund management activities, 681: Real estate activities with own or leased property, 682: Real estate activities on a fee or contract basis, 691: Legal activities, 692: Accounting, bookkeeping and auditing activities; tax consultancy, 701: Activities of head offices, 702: Management consultancy activities, 711: Architectural and engineering activities and related technical consultancy, 712: Technical testing and analysis, 721222: Research and experimental development on natural sciences and engineering, 722: Research and experimental development on social sciences and humanities, 731: Advertising, 732: Market research and public opinion polling, 741: Specialized design activities, 742: Photographic activities, 749: Other professional, scientific and technical activities n.e.c., 750: Veterinary activities, 771: Renting and leasing of motor vehicles, 772: Renting and leasing of personal and household goods, 773: Renting and leasing of other machinery, equipment and tangible goods, 774: Leasing of intellectual property and similar products, except copyrighted works, 781: Activities of employment placement agencies, 782: Temporary employment agency activities, 783: Other human resources provision, 791: Travel agency and tour operator activities, 799: Other reservation service and related activities, 801: Private security activities, 802: Security systems service activities, 803: Investigation activities, 811: Combined facilities support activities, 812: Cleaning activities, 813: Landscape care and maintenance service activities, 821: Office administrative and support activities, 822: Activities of call centres, 823: Organization of conventions and trade shows, 829: Business support service activities n.e.c., 841: Administration of the State and the economic and social policy of the community, 842: Provision of services to the community as a whole, 843: Compulsory social security activities, 851: Pre-primary and primary education, 852: Secondary education, 853: Higher education, 854: Other education, 855: Educational support activities, 861: Hospital activities, 862: Medical and dental practice activities, 869: Other human health activities, 871: Residential nursing care facilities, 872: Residential care activities for mental retardation, mental health and substance abuse, 873: Residential care activities for the elderly and disabled, 879: Other residential care activities, 881: Social work activities without accommodation for the elderly and disabled, 889: Other social work activities without accommodation, 900: Creative, arts and entertainment activities, 910222: Libraries, archives, museums and other cultural activities, 920: Gambling and betting activities, 931: Sports activities, 932: Other amusement and recreation activities, 941: Activities of business, employers and professional membership organizations, 942: Activities of trade unions, 949: Activities of other membership organizations, 951: Repair of computers and communication equipment, 952: Repair of personal and household goods, 960: Other personal service activities, 970: Activities of households as employers of domestic personnel, 981: Undifferentiated goods-producing activities of private households for own use, 982: Undifferentiated service-producing activities of private households for own use, 990222: Activities of extraterritorial organizations and bodies

[18] B16_fourDigit: SubCategory level3 - ISIC code
Categories: 111: Growing of cereals (except rice), leguminous crops and oil seeds, 112: Growing of rice, 113: Growing of vegetables and melons, roots and tubers, 114: Growing of sugar cane, 115: Growing of tobacco, 116: Growing of fibre crops, 119: Growing of other non-perennial crops, 121: Growing of grapes, 122: Growing of tropical and subtropical fruits, 123: Growing of citrus fruits, 124: Growing of pome fruits and stone fruits, 125: Growing of other tree and bush fruits and nuts, 126: Growing of oleaginous fruits, 127: Growing of beverage crops, 128: Growing of spices, aromatic, drug and pharmaceutical crops, 129: Growing of other perennial crops, 130: Plant propagation, 141: Raising of cattle and buffaloes, 142: Raising of horses and other equines, 143: Raising of camels and camelids, 144: Raising of sheep and goats, 145: Raising of swine/pigs, 146: Raising of poultry, 149: Raising of other animals, 150: Mixed farming, 161: Support activities for crop production, 162: Support activities for animal production, 163: Post-harvest crop activities, 164: Seed processing for propagation, 170: Hunting, trapping and related service activities, 210: Silviculture and other forestry activities, 220: Logging, 230: Gathering of non-wood forest products, 240: Support services to forestry, 311: Marine fishing, 312: Freshwater fishing, 321: Marine aquaculture, 322: Freshwater aquaculture, 510: Mining of hard coal, 520: Mining of lignite, 610: Extraction of crude petroleum, 620: Extraction of natural gas, 710: Mining of iron ores, 721: Mining of uranium and thorium ores, 729: Mining of other non-ferrous metal ores, 810: Quarrying of stone, sand and clay, 891: Mining of chemical and fertilizer minerals, 892: Extraction of peat, 893: Extraction of salt, 899: Other mining and quarrying n.e.c., 910: Support activities for petroleum and natural gas extraction, 990: Support activities for other mining and quarrying, 1010: Processing and preserving of meat, 1020: Processing and preserving of fish, crustaceans and molluscs, 1030: Processing and preserving of fruit and vegetables, 1040: Manufacture of vegetable and animal oils and fats, 1050: Manufacture of dairy products, 1061: Manufacture of grain mill products, 1062: Manufacture of starches and starch products, 1071: Manufacture of bakery products, 1072: Manufacture of sugar, 1073: Manufacture of cocoa, chocolate and sugar confectionery, 1074: Manufacture of macaroni, noodles, couscous and similar farinaceous products, 1075: Manufacture of prepared meals and dishes, 1079: Manufacture of other food products n.e.c., 1080: Manufacture of prepared animal feeds, 1101: Distilling, rectifying and blending of spirits, 1102: Manufacture of wines, 1103: Manufacture of malt liquors and malt, 1104: Manufacture of soft drinks; production of mineral waters and other bottled waters, 1200: Manufacture of tobacco products, 1311: Preparation and spinning of textile fibres, 1312: Weaving of textiles, 1313: Finishing of textiles, 1391: Manufacture of knitted and crocheted fabrics, 1392: Manufacture of made-up textile articles, except apparel, 1393: Manufacture of carpets and rugs, 1394: Manufacture of cordage, rope, twine and netting, 1399: Manufacture of other textiles n.e.c., 1410: Manufacture of wearing apparel, except fur apparel, 1420: Manufacture of articles of fur, 1430: Manufacture of knitted and crocheted apparel, 1511: Tanning and dressing of leather; dressing and dyeing of fur, 1512: Manufacture of luggage, handbags and the like, saddlery and harness, 1520: Manufacture of footwear, 1610: Sawmilling and planing of wood, 1621: Manufacture of veneer sheets and wood-based panels, 1622: Manufacture of builders� carpentry and joinery, 1623: Manufacture of wooden containers, 1629: Manufacture of other products of wood; manufacture of articles of cork, straw and plaiting materials, 1701: Manufacture of pulp, paper and paperboard, 1702: Manufacture of corrugated paper and paperboard and of containers of paper and paperboard, 1709: Manufacture of other articles of paper and paperboard, 1811: Printing, 1812: Service activities related to printing, 1820: Reproduction of recorded media, 1910: Manufacture of coke oven products, 1920: Manufacture of refined petroleum products, 2011: Manufacture of basic chemicals, 2012: Manufacture of fertilizers and nitrogen compounds, 2013: Manufacture of plastics and synthetic rubber in primary forms, 2021: Manufacture of pesticides and other agrochemical products, 2022: Manufacture of paints, varnishes and similar coatings, printing ink and mastics, 2023: Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations, 2029: Manufacture of other chemical products n.e.c., 2030: Manufacture of man-made fibres, 2100: Manufacture of pharmaceuticals, medicinal chemical and botanical products, 2211: Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres, 2219: Manufacture of other rubber products, 2220: Manufacture of plastics products, 2310: Manufacture of glass and glass products, 2391: Manufacture of refractory products, 2392: Manufacture of clay building materials, 2393: Manufacture of other porcelain and ceramic products, 2394: Manufacture of cement, lime and plaster, 2395: Manufacture of articles of concrete, cement and plaster, 2396: Cutting, shaping and finishing of stone, 2399: Manufacture of other non-metallic mineral products n.e.c., 2410: Manufacture of basic iron and steel, 2420: Manufacture of basic precious and other non-ferrous metals, 2431: Casting of iron and steel, 2432: Casting of non-ferrous metals, 2511: Manufacture of structural metal products, 2512: Manufacture of tanks, reservoirs and containers of metal, 2513: Manufacture of steam generators, except central heating hot water boilers, 2520: Manufacture of weapons and ammunition, 2591: Forging, pressing, stamping and roll-forming of metal; powder metallurgy, 2592: Treatment and coating of metals; machining, 2593: Manufacture of cutlery, hand tools and general hardware, 2599: Manufacture of other fabricated metal products n.e.c., 26

10:Manufacture of electronic components and boards, 2620:Manufacture of computers and peripheral equipment, 2630:Manufacture of communication equipment, 2640:Manufacture of consumer electronics, 2651:Manufacture of measuring, testing, navigating and control equipment, 2652:Manufacture of watches and clocks, 2660:Manufacture of irradiation, electromedical and electrotherapeutic equipment, 2670:Manufacture of optical instruments and photographic equipment, 2680:Manufacture of magnetic and optical media, 2710:Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus, 2720:Manufacture of batteries and accumulators, 2731:Manufacture of fibre optic cables, 2732:Manufacture of other electronic and electric wires and cables, 2733:Manufacture of wiring devices, 2740:Manufacture of electric lighting equipment, 2750:Manufacture of domestic appliances, 2790:Manufacture of other electrical equipment, 2811:Manufacture of engines and turbines, except aircraft, vehicle and cycle engines, 2812:Manufacture of fluid power equipment, 2813:Manufacture of other pumps, compressors, taps and valves, 2814:Manufacture of bearings, gears, gearing and driving elements, 2815:Manufacture of ovens, furnaces and furnace burners, 2816:Manufacture of lifting and handling equipment, 2817:Manufacture of office machinery and equipment (except computers and peripheral equipment), 2818:Manufacture of power-driven hand tools, 2819:Manufacture of other general-purpose machinery, 2821:Manufacture of agricultural and forestry machinery, 2822:Manufacture of metal-forming machinery and machine tools, 2823:Manufacture of machinery for metallurgy, 2824:Manufacture of machinery for mining, quarrying and construction, 2825:Manufacture of machinery for food, beverage and tobacco processing, 2826:Manufacture of machinery for textile, apparel and leather production, 2829:Manufacture of other special-purpose machinery, 2910:Manufacture of motor vehicles, 2920:Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers, 2930:Manufacture of parts and accessories for motor vehicles, 3011:Building of ships and floating structures, 3012:Building of pleasure and sporting boats, 3020:Manufacture of railway locomotives and rolling stock, 3030:Manufacture of air and spacecraft and related machinery, 3040:Manufacture of military fighting vehicles, 3091:Manufacture of motorcycles, 3092:Manufacture of bicycles and invalid carriages, 3099:Manufacture of other transport equipment n.e.c., 3100:Manufacture of furniture, 3211:Manufacture of jewellery and related articles, 3212:Manufacture of imitation jewellery and related articles, 3220:Manufacture of musical instruments, 3230:Manufacture of sports goods, 3240:Manufacture of games and toys, 3250:Manufacture of medical and dental instruments and supplies, 3290:Other manufacturing n.e.c., 3311:Repair of fabricated metal products, 3312:Repair of machinery, 3313:Repair of electronic and optical equipment, 3314:Repair of electrical equipment, 3315:Repair of transport equipment, except motor vehicles, 3319:Repair of other equipment, 3320:Installation of industrial machinery and equipment, 3510:Electric power generation, transmission and distribution, 3520:Manufacture of gas; distribution of gaseous fuels through mains, 3530:Steam and air conditioning supply, 3600:Water collection, treatment and supply, 3700:Sewerage, 3811:Collection of non-hazardous waste, 3812:Collection of hazardous waste, 3821:Treatment and disposal of non-hazardous waste, 3822:Treatment and disposal of hazardous waste, 3830:Materials recovery, 3900:Remediation activities and other waste management services, 4100:Construction of buildings, 4210:Construction of roads and railways, 4220:Construction of utility projects (roads and railways), 4290:Construction of other civil engineering projects, 4311:Demolition, 4312:Site preparation, 4321:Electrical installation, 4322:Plumbing, heat and air-conditioning installation, 4329:Other construction installation, 4330:Building completion and finishing, 4390:Other specialized construction activities, 4510:Sale of motor vehicles, 4520:Maintenance and repair of motor vehicles, 4530:Sale of motor vehicle parts and accessories, 4540:Sale, maintenance and repair of motorcycles and related parts and accessories, 4610:Wholesale on a fee or contract basis, 4620:Wholesale of agricultural raw materials and live animals, 4630:Wholesale of food, beverages and tobacco, 4641:Wholesale of textiles, clothing and footwear, 4649:Wholesale of other household goods, 4651:Wholesale of computers, computer peripheral equipment and software, 4652:Wholesale of electronic and telecommunications equipment and parts, 4653:Wholesale of agricultural machinery, equipment and supplies, 4659:Wholesale of other machinery and equipment, 4661:Wholesale of solid, liquid and gaseous fuels and related products, 4662:Wholesale of metals and metal ores, 4663:Wholesale of construction materials, hardware, plumbing and heating equipment and supplies, 4669:Wholesale of waste and scrap and other products n.e.c., 4690:Non-specialized wholesale trade, 4711:Retail sale in non-specialized stores with food, beverages or tobacco predominating, 4719:Other retail sale in non-specialized stores, 4721:Retail sale of food in specialized stores, 4722:Retail sale of beverages in specialized stores, 4723:Retail sale of tobacco products in specialized stores, 4730:Retail sale of automotive fuel in specialized stores, 4741:Retail sale of computers, peripheral units, software and telecommunications equipment in specialized stores, 4742:Retail sale of audio and video equipment in specialized stores, 4751:Retail sale of textiles in specialized stores, 4752:Retail sale of hardware, paints and glass in specialized stores, 4753:Retail sale of carpets, rugs, wall and floor coverings in specialized stores, 4759:Retail sale of electrical household appliances, furniture, lighting equipment and other household articles in specialized stores, 4761:Retail sale of books, newspapers and stationary in specialized stores, 4762:Retail sale of music and video recordings in specialized stores, 4763:Retail sale of sporting equipment in specialized stores, 4764:Retail sale of games and toys in specialized stores, 4771:Retail sale of clothing, footwear and leather articles in specialized stores, 4772:Retail sale of pharmaceutical and medical goods, cosmetic and toilet articles in specialized stores, 4773:Other retail sale of new goods in specialized stores, 4774:Retail sale of second-hand goods, 4781:Retail sale via stalls and markets of food, beverages and tobacco products, 4782:Retail sale via stalls and markets of textiles, clothing and footwear, 4789:Retail sale via stalls and markets of other goods, 4791:Retail sale via mail order houses or via Internet, 4799:Other retail sale not in stores, stalls or markets, 4911:Passenger rail transport, interurban, 4912:Freight rail transport, 4921:Urban and suburban passenger land transport, 4922:Other passenger land transport, 4923:Freight transport by road, 4930:Transport via pipeline, 5011:Sea and coastal passenger water transport, 5012:Sea and coastal freight water transport, 5021:Inland passenger water transport, 5022:Inland freight water transport, 5110:Passenger air transport, 5120:Freight air transport, 5210:Warehousing and storage, 5221:Service activities incidental to land transportation, 5222:Service activities incidental to water transportation, 5223:Service activities incidental to air transportation, 5224:Cargo handling, 5229:Other transportation support activities, 5310:Postal activities, 5320:Courier activities, 5510:Short term accommodation activities, 5520:Camping grounds, recreational vehicle parks and trailer parks, 5590:Other accommodation, 5610:Restaurants and mobile food service activities, 5621:Event catering, 5629:Other food service activities, 5630:Beverage serving activities, 5811:Book publishing, 5812:Publishing of directories and mailing lists, 5813:Publishing of newspapers, journals and periodicals, 5819:Other publishing activities, 5820:Software publishing, 5911:Motion picture, video and television programme production activities, 5912:Motion picture, video and television programme post-production activities, 5913:Motion picture, video and television programme distribution activities, 5914:Motion picture projection activities, 5920:Sound recording and music publishing activities, 6010:Radio broadcasting, 6020:Television programming and broadcasting activities, 6110:Wired telecommunications activities, 6120:Wireless telecommunications activities, 6130:Satellite telecommunications activities, 6190:Other telecommunications activities, 6201:Computer programming activities, 6202:Computer consultancy and computer facilities management activities, 6209:Other information technology and computer service activities, 6311:Data processing, hosting and related activities, 6312:Web portals, 6391:News agency activities, 6399:Other information service activities n.e.c., 6411:Central banking, 6419:Other monetary intermediation, 6420:Activities of holding companies, 6430:Trusts, funds and similar financial entities, 6491:Financial leasing, 6492:Other credit granting, 6499:Other financial service activities, except insurance and pension funding activities, n.e.c., 6511:Life insurance, 6512:Non-life insurance, 6520:Reinsurance, 6530:Pension funding, 6611:Administration of financial markets, 6612:Security and commodity contracts brokerage, 6619:Other activities auxiliary to financial service activities, 6621:Risk and damage evaluation, 6622:Activities of insurance agents and brokers, 6629:Other activities auxiliary to insurance and pension funding, 6630:Fund management activities, 6810:Real estate activities with own or leased property, 6820:Real estate activities on a fee or contract basis, 6910:Legal activities, 6920:Accounting, bookkeeping and auditing activities; tax consultancy, 7010:Activities of head offices, 7020:Management consultancy activities, 7110:Architectural and engineering activities and related technical consultancy, 7120:Technical testing and analysis, 7210:Research and experimental development on natural sciences and engineering, 7220:Research and experimental development on social sciences and humanities, 7310:Advertising, 7320:Market research and public opinion polling, 7410:Specialized design activities, 7420:Photographic activities, 7490:Other professional, scientific and technical activities n.e.c., 7500:Veterinary activities, 7710:Renting and leasing of motor vehicles, 7721:Renting and leasing of recreational and sports goods, 7722:Renting of video tapes and disks, 7729:Renting and leasing of other personal and household goods, 7730:Renting and leasing of

other machinery, equipment and tangible goods, 7740: Leasing of intellectual property and similar products, except copyrighted works, 7810: A ctivities of employment placement agencies, 7820: Temporary employment agency activities, 7830: Other human resources provision, 7911: Tr avel agency activities, 7912: Tour operator activities, 7990: Other reservation service and related activities, 8010: Private security activities, 802 0: Security systems service activities, 8030: Investigation activities, 8110: Combined facilities support activities, 8121: General cleaning of buildi ngs, 8129: Other building and industrial cleaning activities, 8130: Landscape care and maintenance service activities, 8211: Combined office ad ministrative service activities, 8219: Photocopying, document preparation and other specialized office support activities, 8220: Activities of call c entres, 8230: Activities of collection agencies and credit bureaus, 8292: Packaging activities, 8299: Other business support service activities n.e. c., 8411: General public administration activities, 8412: Regulation of the activities of providing health care, education, cultural services and othe r social services, excluding social security, 8413: Regulation of and contribution to more efficient operation of businesses, 8421: Foreign affairs, 8422: Defence activities, 8423: Public order and safety activities, 8430: Compulsory social security activities, 8510: Pre-primary and primary ed ucation, 8521: General secondary education, 8522: Technical and vocational secondary education, 8530: Higher education, 8541: Sports and re creation education, 8542: Cultural education, 8549: Other education n.e.c., 8550: Educational support activities, 8610: Hospital activities, 8620: Medical and dental practice activities, 8690: Other human health activities, 8710: Residential nursing care facilities, 8720: Residential care activi ties for mental retardation, mental health and substance abuse, 8730: Residential care activities for the elderly and disabled, 8790: Other reside ntial care activities, 8810: Social work activities without accommodation for the elderly and disabled, 8890: Other social work activities without a ccommodation, 9000: Creative, arts and entertainment activities, 9101: Library and archives activities, 9102: Museums activities and operation of historical sites and buildings, 9103: Botanical and zoological gardens and nature reserves activities, 9200: Gambling and betting activities, 93 11: Operation of sports facilities, 9312: Activities of sports clubs, 9319: Other sports activities, 9321: Activities of amusement parks and theme p arks, 9329: Other amusement and recreation activities n.e.c., 9411: Activities of business and employers membership organizations, 9412: Acti vities of professional membership organizations, 9420: Activities of trade unions, 9491: Activities of religious organizations, 9492: Activities of p olitical organizations, 9499: Activities of other membership organizations n.e.c., 9511: Repair of computers and peripheral equipment, 9512: Re pair of communication equipment, 9521: Repair of consumer electronics, 9522: Repair of household appliances and home and garden equipme nt, 9523: Repair of footwear and leather goods, 9524: Repair of furniture and home furnishings, 9529: Repair of other personal and household g oods, 9601: Washing and (dry-) cleaning of textile and fur products, 9602: Hairdressing and other beauty treatment, 9603: Funeral and related a ctivities, 9609: Other personal service activities n.e.c., 9700: Activities of households as employers of domestic personnel, 9810: Undifferentiate d goods-producing activities of private households for own use, 9820: Undifferentiated service-producing activities of private households for ow n use, 9900: Activities of extraterritorial organizations and bodies

[19] N02_oneDigit: Main Category - ISIC code
Categories: 11111: Agriculture, forestry and fishing, 21111: Mining and quarrying, 31111: Manufacturing, 41111: Electricity, gas, steam and air conditioning supply, 51111: Water supply; sewerage, waste management and remediation activities, 61111: Construction, 71111: Wholesale an d retail trade; repair of motor vehicles and motorcycles, 81111: Transportation and storage, 91111: Accommodation and food service activities, 101111: Information and communication, 111111: Financial and insurance activitie, 121111: Real estate activities, 131111: Professional, scientif ic and technical activities, 141111: Administrative and support service activities, 151111: Public administration and defence; compulsory social s ecurity, 161111: Education, 171111: Human health and social work activities, 181111: Arts, entertainment and recreation, 191111: Other servic e activities, 201111: Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use, 211111: Activities of extraterritorial organizations and bodies

[20] N02_twoDigit: SubCategory level1 - ISIC code
Categories: 1: Crop and animal production, hunting and related service activities, 2: Forestry and logging, 3: Fishing and aquaculture, 5: Mining of coal and lignite, 6: Extraction of crude petroleum and natural gas, 7: Mining of metal ores, 8: Other mining and quarrying, 9: Mining support s ervice activities, 10: Manufacture of food products, 11: Manufacture of beverages, 12: Manufacture of tobacco products, 13: Manufacture of tex tiles, 14: Manufacture of wearing apparel, 15: Manufacture of leather and related products, 16: Manufacture of wood and of products of wood a nd cork, except furniture; manufacture of articles of straw and plaiting materials, 17: Manufacture of paper and paper products, 18: Printing and reproduction of recorded media, 19: Manufacture of coke and refined petroleum products, 20: Manufacture of chemicals and chemical product s, 21: Manufacture of basic pharmaceutical products and pharmaceutical preparations, 22: Manufacture of rubber and plastics products, 23: M anufacture of other non-metallic mineral products, 24: Manufacture of basic metals, 25: Manufacture of fabricated metal products, except mac hinery and equipment, 26: Manufacture of computer, electronic and optical products, 27: Manufacture of electrical equipment, 28: Manufacture of machinery and equipment n.e.c., 29: Manufacture of motor vehicles, trailers and semi-trailers, 30: Manufacture of other transport equipment , 31: Manufacture of furniture, 32: Other manufacturing, 33: Repair and installation of machinery and equipment, 35: Electricity, gas, steam and air conditioning supply, 36: Water collection, treatment and supply, 37: Sewerage, 38: Waste collection, treatment and disposal activities; materi als recovery, 39: Remediation activities and other waste management services, 41: Construction of buildings, 42: Civil engineering, 43: Specializ ed construction activities, 45: Wholesale and retail trade and repair of motor vehicles and motorcycles, 46: Wholesale trade, except of motor ve hicles and motorcycles, 47: Retail trade, except of motor vehicles and motorcycles, 49: Land transport and transport via pipelines, 50: Water tra nsport, 51: Air transport, 52: Warehousing and support activities for transportation, 53: Postal and courier activities, 55: Accommodation, 56: Fo od and beverage service activities, 58: Publishing activities, 59: Motion picture, video and television programme production, sound recording an d music publishing activities, 60: Programming and broadcasting activities, 61: Telecommunications, 62: Computer programming, consultancy a nd related activities, 63: Information service activities, 64: Financial service activities, except insurance and pension funding, 65: Insurance, rein surance and pension funding, except compulsory social security, 66: Activities auxiliary to financial service and insurance activities, 68: Real est ate activities, 69: Legal and accounting activities, 70: Activities of head offices; management consultancy activities, 71: Architectural and engine ering activities; technical testing and analysis, 72: Scientific research and development, 73: Advertising and market research, 74: Other professi onal, scientific and technical activities, 75: Veterinary activities, 77: Rental and leasing activities, 78: Employment activities, 79: Travel agency, to ur operator, reservation service and related activities, 80: Security and investigation activities, 81: Services to buildings and landscape activities, 82: Office administrative, office support and other business support activities, 84: Public administration and defence; compulsory social security, 85: Education, 86: Human health activities, 87: Residential care activities, 88: Social work activities without accommodation, 90: Creative, arts a nd entertainment activities, 91: Libraries, archives, museums and other cultural activities, 92: Gambling and betting activities, 93: Sports activiti es and amusement and recreation activities, 94: Activities of membership organizations, 95: Repair of computers and personal and household g oods, 96: Other personal service activities, 97: Activities of households as employers of domestic personnel, 98: Undifferentiated goods- and se rvices-producing activities of private households for own use, 99: Activities of extraterritorial organizations and bodies

[21] N02_threeDigit: SubCategory level2 - ISIC code
Categories: 11222: Growing of non-perennial crops, 12222: Growing of perennial crops, 13222: Plant propagation, 14222: Animal production, 1 5222: Mixed farming, 16222: Support activities to agriculture and post-harvest crop activities, 17222: Hunting, trapping and related service activ ities, 21222: Silviculture and other forestry activities, 22222: Logging, 23222: Gathering of non-wood forest products, 24222: Support services to forestry, 31222: Fishing, 32222: Aquaculture, 51222: Mining of hard coal, 52222: Mining of lignite, 61222: Extraction of crude petroleum, 62222 : Extraction of natural gas, 71222: Mining of iron ores, 72222: Mining of non-ferrous metal ores, 81222: Quarrying of stone, sand and clay, 8922 2: Mining and quarrying n.e.c., 91222: Support activities for petroleum and natural gas extraction, 99222: Support activities for other mining and

quarrying, 101: Processing and preserving of meat, 102: Processing and preserving of fish, crustaceans and molluscs, 103: Processing and preserving of fruit and vegetables, 104: Manufacture of vegetable and animal oils and fats, 105: Manufacture of dairy products, 106: Manufacture of grain mill products, starches and starch products, 107: Manufacture of other food products, 108: Manufacture of prepared animal feeds, 110: Manufacture of beverages, 120: Manufacture of tobacco products, 131: Spinning, weaving and finishing of textiles, 139: Manufacture of other textiles, 141222: Manufacture of wearing apparel, except fur apparel, 142222: Manufacture of articles of fur, 143222: Manufacture of knitted and crocheted apparel, 151: Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur, 152: Manufacture of footwear, 161222: Sawmilling and planing of wood, 162222: Manufacture of products of wood, cork, straw and plaiting materials, 170222: Manufacture of paper and paper products, 181: Printing and service activities related to printing, 182: Reproduction of recorded media, 191: Manufacture of coke oven products, 192: Manufacture of refined petroleum products, 201: Manufacture of basic chemicals, fertilizers and nitrogen compounds, plastics and synthetic rubber in primary forms, 202: Manufacture of other chemical products, 203: Manufacture of man-made fibres, 210222: Manufacture of pharmaceuticals, medicinal chemical and botanical products, 221: Manufacture of rubber products, 222: Manufacture of plastics products, 231: Manufacture of glass and glass products, 239: Manufacture of non-metallic mineral products n.e.c., 241: Manufacture of basic iron and steel, 242: Manufacture of basic precious and other non-ferrous metals, 243: Casting of metals, 251: Manufacture of structural metal products, tanks, reservoirs and steam generators, 252: Manufacture of weapons and ammunition, 259: Manufacture of other fabricated metal products; metalworking service activities, 261: Manufacture of electronic components and boards, 262: Manufacture of computers and peripheral equipment, 263: Manufacture of communication equipment, 264: Manufacture of consumer electronics, 265: Manufacture of measuring, testing, navigating and control equipment; watches and clocks, 266: Manufacture of irradiation, electromedical and electrotherapeutic equipment, 267: Manufacture of optical instruments and photographic equipment, 268: Manufacture of magnetic and optical media, 271: Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus, 272: Manufacture of batteries and accumulators, 273: Manufacture of wiring and wiring devices, 274: Manufacture of electric lighting equipment, 275: Manufacture of domestic appliances, 279: Manufacture of other electrical equipment, 281: Manufacture of general-purpose machinery, 282: Manufacture of special-purpose machinery, 291: Manufacture of motor vehicles, 292: Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers, 293: Manufacture of parts and accessories for motor vehicles, 301: Building of ships and boats, 302: Manufacture of railway locomotives and rolling stock, 303: Manufacture of air and spacecraft and related machinery, 304: Manufacture of military fighting vehicles, 309: Manufacture of transport equipment n.e.c., 310: Manufacture of furniture, 321222: Manufacture of jewellery, bijouterie and related articles, 322222: Manufacture of musical instruments, 323: Manufacture of sports goods, 324: Manufacture of games and toys, 325: Manufacture of medical and dental instruments and supplies, 329: Other manufacturing n.e.c., 331: Repair of fabricated metal products, machinery and equipment, 332: Installation of industrial machinery and equipment, 351: Electric power generation, transmission and distribution, 352: Manufacture of gas; distribution of gaseous fuels through mains, 353: Steam and air conditioning supply, 360: Water collection, treatment and supply, 370: Sewerage, 381: Waste collection, 382: Waste treatment and disposal, 383: Materials recovery, 390: Remediation activities and other waste management services, 410: Construction of buildings, 421: Construction of roads and railways, 422: Construction of utility projects, 429: Construction of other civil engineering projects, 431: Demolition and site preparation, 432: Electrical, plumbing and other construction installation activities, 433: Building completion and finishing, 439: Other specialized construction activities, 451: Sale of motor vehicles, 452: Maintenance and repair of motor vehicles, 453: Sale of motor vehicle parts and accessories, 454: Sale, maintenance and repair of motorcycles and related parts and accessories, 461: Wholesale on a fee or contract basis, 462: Wholesale of agricultural raw materials and live animals, 463: Wholesale of food, beverages and tobacco, 464: Wholesale of household goods, 465: Wholesale of machinery, equipment and supplies, 466: Other specialized wholesale, 469: Non-specialized wholesale trade, 471: Retail sale in non-specialized stores, 472: Retail sale of food, beverages and tobacco in specialized stores, 473: Retail sale of automotive fuel in specialized stores, 474: Retail sale of information and communications equipment in specialized stores, 475: Retail sale of other household equipment in specialized stores, 476: Retail sale of cultural and recreation goods in specialized stores, 477: Retail sale of other goods in specialized stores, 478: Retail sale via stalls and markets, 479: Retail trade not in stores, stalls or markets, 491: Transport via railways, 492: Other land transport, 493: Transport via pipeline, 501: Sea and coastal water transport, 502: Inland water transport, 511: Passenger air transport, 512: Freight air transport, 521: Warehousing and storage, 522: Support activities for transportation, 531: Postal activities, 532: Courier activities, 551: Short term accommodation activities, 552: Camping grounds, recreational vehicle parks and trailer parks, 559: Other accommodation, 561: Restaurants and mobile food service activities, 562: Event catering and other food service activities, 563: Beverage serving activities, 581: Publishing of books, periodicals and other publishing activities, 582: Software publishing, 591: Motion picture, video and television programme activities, 592: Sound recording and music publishing activities, 601: Radio broadcasting, 602: Television programming and broadcasting activities, 611: Wired telecommunications activities, 612: Wireless telecommunications activities, 613: Satellite telecommunications activities, 619: Other telecommunications activities, 620222: Computer programming, consultancy and related activities, 631: Data processing, hosting and related activities; web portals, 639: Other information service activities, 641: Monetary intermediation, 642: Activities of holding companies, 643: Trusts, funds and similar financial entities, 649: Other financial service activities, except insurance and pension funding activities, 651: Insurance, 652: Reinsurance, 653: Pension funding, 661: Activities auxiliary to financial service activities, except insurance and pension funding, 662: Activities auxiliary to insurance and pension funding, 663: Fund management activities, 681: Real estate activities with own or leased property, 682: Real estate activities on a fee or contract basis, 691: Legal activities, 692: Accounting, bookkeeping and auditing activities; tax consultancy, 701: Activities of head offices, 702: Management consultancy activities, 711: Architectural and engineering activities and related technical consultancy, 712: Technical testing and analysis, 721222: Research and experimental development on natural sciences and engineering, 722: Research and experimental development on social sciences and humanities, 731: Advertising, 732: Market research and public opinion polling, 741: Specialized design activities, 742: Photographic activities, 749: Other professional, scientific and technical activities n.e.c., 750: Veterinary activities, 771: Renting and leasing of motor vehicles, 772: Renting and leasing of personal and household goods, 773: Renting and leasing of other machinery, equipment and tangible goods, 774: Leasing of intellectual property and similar products, except copyrighted works, 781: Activities of employment placement agencies, 782: Temporary employment agency activities, 783: Other human resources provision, 791: Travel agency and tour operator activities, 799: Other reservation service and related activities, 801: Private security activities, 802: Security systems service activities, 803: Investigation activities, 811: Combined facilities support activities, 812: Cleaning activities, 813: Landscape care and maintenance service activities, 821: Office administrative and support activities, 822: Activities of call centres, 823: Organization of conventions and trade shows, 829: Business support service activities n.e.c., 841: Administration of the State and the economic and social policy of the community, 842: Provision of services to the community as a whole, 843: Compulsory social security activities, 851: Pre-primary and primary education, 852: Secondary education, 853: Higher education, 854: Other education, 855: Educational support activities, 861: Hospital activities, 862: Medical and dental practice activities, 869: Other human health activities, 871: Residential nursing care facilities, 872: Residential care activities for mental retardation, mental health and substance abuse, 873: Residential care activities for the elderly and disabled, 879: Other residential care activities, 881: Social work activities without accommodation for the elderly and disabled, 889: Other social work activities without accommodation, 900: Creative, arts and entertainment activities, 910222: Libraries, archives, museums and other cultural activities, 920: Gambling and betting activities, 931: Sports activities, 932: Other amusement and recreation activities, 941: Activities of business, employers and professional membership organizations, 942: Activities of trade unions, 949: Activities of other membership organizations, 951: Repair of computers and communication equipment, 952: Repair of personal and household goods, 960: Other personal service activities, 970: Activities of households as employers of domestic personnel, 981: Undifferentiated goods-producing activities of private households for own use, 982: Undifferentiated service-producing activities of private households for own use, 990222: Activities of extraterritorial organizations and bodies

[22] N02_fourDigit: SubCategory level3 - ISIC code

Categories: 111: Growing of cereals (except rice), leguminous crops and oil seeds, 112: Growing of rice, 113: Growing of vegetables and melons, roots and tubers, 114: Growing of sugar cane, 115: Growing of tobacco, 116: Growing of fibre crops, 119: Growing of other non-perennial crops, 121: Growing of grapes, 122: Growing of tropical and subtropical fruits, 123: Growing of citrus fruits, 124: Growing of pome fruits and stone fruits, 125: Growing of other tree and bush fruits and nuts, 126: Growing of oleaginous fruits, 127: Growing of beverage crops, 128: Growing of spices, aromatic, drug and pharmaceutical crops, 129: Growing of other perennial crops, 130: Plant propagation, 141: Raising of cattle and buffaloes, 142: Raising of horses and other equines, 143: Raising of camels and camelids, 144: Raising of sheep and goats, 145: Raising of swine/pigs, 146: Raising of poultry, 149: Raising of other animals, 150: Mixed farming, 161: Support activities for crop production, 162: Support activities for animal production, 163: Post-harvest crop activities, 164: Seed processing for propagation, 170: Hunting, trapping and related service activities, 210: Silviculture and other forestry activities, 220: Logging, 230: Gathering of non-wood forest products, 240: Support services to forestry, 311: Marine fishing, 312: Freshwater fishing, 321: Marine aquaculture, 322: Freshwater aquaculture, 510: Mining of hard coal, 520: Mining of lignite, 610: Extraction of crude petroleum, 620: Extraction of natural gas, 710: Mining of iron ores, 721: Mining of uranium and thorium ores, 729: Mining of other non-ferrous metal ores, 810: Quarrying of stone, sand and clay, 891: Mining of chemical and fertilizer minerals, 892: Extraction of peat, 893: Extraction of salt, 899: Other mining and quarrying n.e.c., 910: Support activities for petroleum and natural gas extraction, 990: Support activities for other mining and quarrying, 1010: Processing and preserving of meat, 1020: Processing and preserving of fish, crustaceans and molluscs, 1030: Processing and preserving of fruit and vegetables, 1040: Manufacture of vegetable and animal oils and fats, 1050: Manufacture of dairy products, 1061: Manufacture of grain mill products, 1062: Manufacture of starches and starch products, 1071: Manufacture of bakery products, 1072: Manufacture of sugar, 1073: Manufacture of cocoa, chocolate and sugar confectionery, 1074: Manufacture of macaroni, noodles, couscous and similar farinaceous products, 1075: Manufacture of prepared meals and dishes, 1079: Manufacture of other food products n.e.c., 1080: Manufacture of prepared animal feeds, 1101: Distilling, rectifying and blending of spirits, 1102: Manufacture of wines, 1103: Manufacture of malt liquors and malt, 1104: Manufacture of soft drinks; production of mineral waters and other bottled waters, 1200: Manufacture of tobacco products, 1311: Preparation and spinning of textile fibres, 1312: Weaving of textiles, 1313: Finishing of textiles, 1391: Manufacture of knitted and crocheted fabrics, 1392: Manufacture of made-up textile articles, except apparel, 1393: Manufacture of carpets and rugs, 1394: Manufacture of cordage, rope, twine and netting, 1399: Manufacture of other textiles n.e.c., 1410: Manufacture of wearing apparel, except fur apparel, 1420: Manufacture of articles of fur, 1430: Manufacture of knitted and crocheted apparel, 1511: Tanning and dressing of leather; dressing and dyeing of fur, 1512: Manufacture of luggage, handbags and the like, saddlery and harness, 1520: Manufacture of footwear, 1610: Sawmilling and planing of wood, 1621: Manufacture of veneer sheets and wood-based panels, 1622: Manufacture of builders� carpentry and joinery, 1623: Manufacture of wooden containers, 1629: Manufacture of other products of wood; manufacture of articles of cork, straw and plaiting materials, 1701: Manufacture of pulp, paper and paperboard, 1702: Manufacture of corrugated paper and paperboard and of containers of paper and paperboard, 1709: Manufacture of other articles of paper and paperboard, 1811: Printing, 1812: Service activities related to printing, 1820: Reproduction of recorded media, 1910: Manufacture of coke oven products, 1920: Manufacture of refined petroleum products, 2011: Manufacture of basic chemicals, 2012: Manufacture of fertilizers and nitrogen compounds, 2013: Manufacture of plastics and synthetic rubber in primary forms, 2021: Manufacture of pesticides and other agrochemical products, 2022: Manufacture of paints, varnishes and similar coatings, printing ink and mastics, 2023: Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations, 2029: Manufacture of other chemical products n.e.c., 2030: Manufacture of man-made fibres, 2100: Manufacture of pharmaceuticals, medicinal chemical and botanical products, 2211: Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres, 2219: Manufacture of other rubber products, 2220: Manufacture of plastics products, 2310: Manufacture of glass and glass products, 2391: Manufacture of refractory products, 2392: Manufacture of clay building materials, 2393: Manufacture of other porcelain and ceramic products, 2394: Manufacture of cement, lime and plaster, 2395: Manufacture of articles of concrete, cement and plaster, 2396: Cutting, shaping and finishing of stone, 2399: Manufacture of other non-metallic mineral products n.e.c., 2410: Manufacture of basic iron and steel, 2420: Manufacture of basic precious and other non-ferrous metals, 2431: Casting of iron and steel, 2432: Casting of non-ferrous metals, 2511: Manufacture of structural metal products, 2512: Manufacture of tanks, reservoirs and containers of metal, 2513: Manufacture of steam generators, except central heating hot water boilers, 2520: Manufacture of weapons and ammunition, 2591: Forging, pressing, stamping and roll-forming of metal; powder metallurgy, 2592: Treatment and coating of metals; machining, 2593: Manufacture of cutlery, hand tools and general hardware, 2599: Manufacture of other fabricated metal products n.e.c., 2610: Manufacture of electronic components and boards, 2620: Manufacture of computers and peripheral equipment, 2630: Manufacture of communication equipment, 2640: Manufacture of consumer electronics, 2651: Manufacture of measuring, testing, navigating and control equipment, 2652: Manufacture of watches and clocks, 2660: Manufacture of irradiation, electromedical and electrotherapeutic equipment, 2670: Manufacture of optical instruments and photographic equipment, 2680: Manufacture of magnetic and optical media, 2710: Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus, 2720: Manufacture of batteries and accumulators, 2731: Manufacture of fibre optic cables, 2732: Manufacture of other electronic and electric wires and cables, 2733: Manufacture of wiring devices, 2740: Manufacture of electric lighting equipment, 2750: Manufacture of domestic appliances, 2790: Manufacture of other electrical equipment, 2811: Manufacture of engines and turbines, except aircraft, vehicle and cycle engines, 2812: Manufacture of fluid power equipment, 2813: Manufacture of other pumps, compressors, taps and valves, 2814: Manufacture of bearings, gears, gearing and driving elements, 2815: Manufacture of ovens, furnaces and furnace burners, 2816: Manufacture of lifting and handling equipment, 2817: Manufacture of office machinery and equipment (except computers and peripheral equipment), 2818: Manufacture of power-driven hand tools, 2819: Manufacture of other general-purpose machinery, 2821: Manufacture of agricultural and forestry machinery, 2822: Manufacture of metal-forming machinery and machine tools, 2823: Manufacture of machinery for metallurgy, 2824: Manufacture of machinery for mining, quarrying and construction, 2825: Manufacture of machinery for food, beverage and tobacco processing, 2826: Manufacture of machinery for textile, apparel and leather production, 2829: Manufacture of other special-purpose machinery, 2910: Manufacture of motor vehicles, 2920: Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers, 2930: Manufacture of parts and accessories for motor vehicles, 3011: Building of ships and floating structures, 3012: Building of pleasure and sporting boats, 3020: Manufacture of railway locomotives and rolling stock, 3030: Manufacture of air and spacecraft and related machinery, 3040: Manufacture of military fighting vehicles, 3091: Manufacture of motorcycles, 3092: Manufacture of bicycles and invalid carriages, 3099: Manufacture of other transport equipment n.e.c., 3100: Manufacture of furniture, 3211: Manufacture of jewellery and related articles, 3212: Manufacture of imitation jewellery and related articles, 3220: Manufacture of musical instruments, 3230: Manufacture of sports goods, 3240: Manufacture of games and toys, 3250: Manufacture of medical and dental instruments and supplies, 3290: Other manufacturing n.e.c., 3311: Repair of fabricated metal products, 3312: Repair of machinery, 3313: Repair of electronic and optical equipment, 3314: Repair of electrical equipment, 3315: Repair of transport equipment, except motor vehicles, 3319: Repair of other equipment, 3320: Installation of industrial machinery and equipment, 3510: Electric power generation, transmission and distribution, 3520: Manufacture of gas; distribution of gaseous fuels through mains, 3530: Steam and air conditioning supply, 3600: Water collection, treatment and supply, 3700: Sewerage, 3811: Collection of non-hazardous waste, 3812: Collection of hazardous waste, 3821: Treatment and disposal of non-hazardous waste, 3822: Treatment and disposal of hazardous waste, 3830: Materials recovery, 3900: Remediation activities and other waste management services, 4100: Construction of buildings, 4210: Construction of roads and railways, 4220: Construction of utility projects (roads and railways), 4290: Construction of other civil engineering projects, 4311: Demolition, 4312: Site preparation, 4321: Electrical installation, 4322: Plumbing, heat and air-conditioning installation, 4329: Other construction installation, 4330: Building completion and finishing, 4390: Other specialized construction activities, 4510: Sale of motor vehicles, 4520: Maintenance and repair of motor vehicles, 4530: Sale of motor vehicle parts and accessories, 4540: Sale, maintenance and repair of motorcycles and related parts and accessories, 4610: Wholesale on a fee or contract basis, 4620: Wholesale of agricultural raw materials and live animals, 4630: Wholesale of food, beverages and tobacco, 4641: Wholesale of textiles, clothing and footwear, 4649: Wholesale of other household goods, 4651: Wholesale of computers, computer peripheral equipment and software, 4652: Wholesale of electronic an

d telecommunications equipment and parts, 4653: Wholesale of agricultural machinery, equipment and supplies, 4659: Wholesale of other machinery and equipment, 4661: Wholesale of solid, liquid and gaseous fuels and related products, 4662: Wholesale of metals and metal ores, 4663: Wholesale of construction materials, hardware, plumbing and heating equipment and supplies, 4669: Wholesale of waste and scrap and other products n.e.c., 4690: Non-specialized wholesale trade, 4711: Retail sale in non-specialized stores with food, beverages or tobacco predominating, 4719: Other retail sale in non-specialized stores, 4721: Retail sale of food in specialized stores, 4722: Retail sale of beverages in specialized stores, 4723: Retail sale of tobacco products in specialized stores, 4730: Retail sale of automotive fuel in specialized stores, 4741: Retail sale of computers, peripheral units, software and telecommunications equipment in specialized stores, 4742: Retail sale of audio and video equipment in specialized stores, 4751: Retail sale of textiles in specialized stores, 4752: Retail sale of hardware, paints and glass in specialized stores, 4753: Retail sale of carpets, rugs, wall and floor coverings in specialized stores, 4759: Retail sale of electrical household appliances, furniture, lighting equipment and other household articles in specialized stores, 4761: Retail sale of books, newspapers and stationary in specialized stores, 4762: Retail sale of music and video recordings in specialized stores, 4763: Retail sale of sporting equipment in specialized stores, 4764: Retail sale of games and toys in specialized stores, 4771: Retail sale of clothing, footwear and leather articles in specialized stores, 4772: Retail sale of pharmaceutical and medical goods, cosmetic and toilet articles in specialized stores, 4773: Other retail sale of new goods in specialized stores, 4774: Retail sale of second-hand goods, 4781: Retail sale via stalls and markets of food, beverages and tobacco products, 4782: Retail sale via stalls and markets of textiles, clothing and footwear, 4789: Retail sale via stalls and markets of other goods, 4791: Retail sale via mail order houses or via Internet, 4799: Other retail sale not in stores, stalls or markets, 4911: Passenger rail transport, interurban, 4912: Freight rail transport, 4921: Urban and suburban passenger land transport, 4922: Other passenger land transport, 4923: Freight transport by road, 4930: Transport via pipeline, 5011: Sea and coastal passenger water transport, 5012: Sea and coastal freight water transport, 5021: Inland passenger water transport, 5022: Inland freight water transport, 5110: Passenger air transport, 5120: Freight air transport, 5210: Warehousing and storage, 5221: Service activities incidental to land transportation, 5222: Service activities incidental to water transportation, 5223: Service activities incidental to air transportation, 5224: Cargo handling, 5229: Other transportation support activities, 5310: Postal activities, 5320: Courier activities, 5510: Short term accommodation activities, 5520: Camping grounds, recreational vehicle parks and trailer parks, 5590: Other accommodation, 5610: Restaurants and mobile food service activities, 5621: Event catering, 5629: Other food service activities, 5630: Beverage serving activities, 5811: Book publishing, 5812: Publishing of directories and mailing lists, 5813: Publishing of newspapers, journals and periodicals, 5819: Other publishing activities, 5820: Software publishing, 5911: Motion picture, video and television programme production activities, 5912: Motion picture, video and television programme post-production activities, 5913: Motion picture, video and television programme distribution activities, 5914: Motion picture projection activities, 5920: Sound recording and music publishing activities, 6010: Radio broadcasting, 6020: Television programming and broadcasting activities, 6110: Wired telecommunications activities, 6120: Wireless telecommunications activities, 6130: Satellite telecommunications activities, 6190: Other telecommunications activities, 6201: Computer programming activities, 6202: Computer consultancy and computer facilities management activities, 6209: Other information technology and computer service activities, 6311: Data processing, hosting and related activities, 6312: Web portals, 6391: News agency activities, 6399: Other information service activities n.e.c., 6411: Central banking, 6419: Other monetary intermediation, 6420: Activities of holding companies, 6430: Trusts, funds and similar financial entities, 6491: Financial leasing, 6492: Other credit granting, 6499: Other financial service activities, except insurance and pension funding activities, n.e.c., 6511: Life insurance, 6512: Non-life insurance, 6520: Reinsurance, 6530: Pension funding, 6611: Administration of financial markets, 6612: Security and commodity contracts brokerage, 6619: Other activities auxiliary to financial service activities, 6621: Risk and damage evaluation, 6622: Activities of insurance agents and brokers, 6629: Other activities auxiliary to insurance and pension funding, 6630: Fund management activities, 6810: Real estate activities with own or leased property, 6820: Real estate activities on a fee or contract basis, 6910: Legal activities, 6920: Accounting, bookkeeping and auditing activities; tax consultancy, 7010: Activities of head offices, 7020: Management consultancy activities, 7110: Architectural and engineering activities and related technical consultancy, 7120: Technical testing and analysis, 7210: Research and experimental development on natural sciences and engineering, 7220: Research and experimental development on social sciences and humanities, 7310: Advertising, 7320: Market research and public opinion polling, 7410: Specialized design activities, 7420: Photographic activities, 7490: Other professional, scientific and technical activities n.e.c., 7500: Veterinary activities, 7710: Renting and leasing of motor vehicles, 7721: Renting and leasing of recreational and sports goods, 7722: Renting of video tapes and disks, 7729: Renting and leasing of other personal and household goods, 7730: Renting and leasing of other machinery, equipment and tangible goods, 7740: Leasing of intellectual property and similar products, except copyrighted works, 7810: Activities of employment placement agencies, 7820: Temporary employment agency activities, 7830: Other human resources provision, 7911: Travel agency activities, 7912: Tour operator activities, 7990: Other reservation service and related activities, 8010: Private security activities, 8020: Security systems service activities, 8030: Investigation activities, 8110: Combined facilities support activities, 8121: General cleaning of buildings, 8129: Other building and industrial cleaning activities, 8130: Landscape care and maintenance service activities, 8211: Combined office administrative service activities, 8219: Photocopying, document preparation and other specialized office support activities, 8220: Activities of call centres, 8230: Activities of collection agencies and credit bureaus, 8292: Packaging activities, 8299: Other business support service activities n.e.c., 8411: General public administration activities, 8412: Regulation of the activities of providing health care, education, cultural services and other social services, excluding social security, 8413: Regulation of and contribution to more efficient operation of businesses, 8421: Foreign affairs, 8422: Defence activities, 8423: Public order and safety activities, 8430: Compulsory social security activities, 8510: Pre-primary and primary education, 8521: General secondary education, 8522: Technical and vocational secondary education, 8530: Higher education, 8541: Sports and recreation education, 8542: Cultural education, 8549: Other education n.e.c., 8550: Educational support activities, 8610: Hospital activities, 8620: Medical and dental practice activities, 8690: Other human health activities, 8710: Residential nursing care facilities, 8720: Residential care activities for mental retardation, mental health and substance abuse, 8730: Residential care activities for the elderly and disabled, 8790: Other residential care activities, 8810: Social work activities without accommodation for the elderly and disabled, 8890: Other social work activities without accommodation, 9000: Creative, arts and entertainment activities, 9101: Library and archives activities, 9102: Museums activities and operation of historical sites and buildings, 9103: Botanical and zoological gardens and nature reserves activities, 9200: Gambling and betting activities, 9311: Operation of sports facilities, 9312: Activities of sports clubs, 9319: Other sports activities, 9321: Activities of amusement parks and theme parks, 9329: Other amusement and recreation activities n.e.c., 9411: Activities of business and employers membership organizations, 9412: Activities of professional membership organizations, 9420: Activities of trade unions, 9491: Activities of religious organizations, 9492: Activities of political organizations, 9499: Activities of other membership organizations n.e.c., 9511: Repair of computers and peripheral equipment, 9512: Repair of communication equipment, 9521: Repair of consumer electronics, 9522: Repair of household appliances and home and garden equipment, 9523: Repair of footwear and leather goods, 9524: Repair of furniture and home furnishings, 9529: Repair of other personal and household goods, 9601: Washing and (dry-) cleaning of textile and fur products, 9602: Hairdressing and other beauty treatment, 9603: Funeral and related activities, 9609: Other personal service activities n.e.c., 9700: Activities of households as employers of domestic personnel, 9810: Undifferentiated goods-producing activities of private households for own use, 9820: Undifferentiated service-producing activities of private households for own use, 9900: Activities of extraterritorial organizations and bodies

[23] N20: N20. What factors have constrained the business owner's ability to increase the size of the %rostertitle% to the desired size?
Categories: 1: lack of demand, 2: lack of inputs, 3: lack of finance, 4: poor quality electricity and phone, 5: lack of trained employees, 6: Cost of hiring new employees, 7: Legal regulations, 8: Poor quality roads, 9: Lack of market information, 10: high tax rates, 11: lack of clear ownership of land, 12: high crime rates, 13: Economic policy uncertainty (e.g. exchange rate fluctuation & interest rates), 14: Corruption, 15: lack of time to work on the business, 16: the business is the desired size, 96: Other (specify), 98: Don't know

[24] s4aq06: 6. SELECT CROP CODE
Categories: 111: Wheat, 112: Barley, 120: Rice, 130: Maize, 141: Finger millet, 150: Sorghum, 210: Beans, 221: Field peas, 222: Cow peas, 223: Pigeon peas, 224: Chick peas, 310: Groundnuts, 320: Soya beans, 330: Sunflower, 340: Simsim, 410: Cabbage, 420: Tomatoes, 430: Carrots, 440: Onions, 450: Pumpkins, 460: Dodo, 470: Eggplants, 510: Sugarcane, 520: Cotton, 530: Tobacco, 610: Irish potatoes, 620: Sweet potatoes, 630: Cassava, 640: Yam, 650: Coco yam, 700: Oranges, 710: Paw paw, 720: Pineapples, 741: Banana food, 742: Banana beer, 744: Banana sweet, 750: Mango, 760: Jackfruit, 770: Avocado, 780: Passion fruit, 811: Coffee (arabica), 812: Coffee (robusta), 820: Cocoa, 830: Tea, 840: Ginger, 850: Curry, 860: Oil palm, 870: Vanilla, 880: Black wattle, 890: Other, 810: Coffee

[25] s4aq06_a: 6. SELECT CROP CODE
Categories: 111: Wheat, 112: Barley, 120: Rice, 130: Maize, 141: Finger millet, 150: Sorghum, 210: Beans, 221: Field peas, 222: Cow peas, 223: Pigeon peas, 224: Chick peas, 310: Groundnuts, 320: Soya beans, 330: Sunflower, 340: Simsim, 410: Cabbage, 420: Tomatoes, 430: Carrots, 440: Onions, 450: Pumpkins, 460: Dodo, 470: Eggplants, 510: Sugarcane, 520: Cotton, 530: Tobacco, 610: Irish potatoes, 620: Sweet potatoes, 630: Cassava, 640: Yam, 650: Coco yam, 700: Oranges, 710: Paw paw, 720: Pineapples, 741: Banana food, 742: Banana beer, 744: Banana sweet, 750: Mango, 760: Jackfruit, 770: Avocado, 780: Passion fruit, 811: Coffee (arabica), 812: Coffee (robusta), 820: Cocoa, 830: Tea, 840: Ginger, 850: Curry, 860: Oil palm, 870: Vanilla, 880: Black wattle, 890: Other, 810: Coffee

[26] s4aq11b: 11a. How much seed did you use for this %rostertitle%

 UNIT
Categories: 1: Kilogram (KG), 9: Sack (120 kgs), 10: Sack (100 kgs), 12: Sack (50 kgs), 14: Jerrican (20 lts), 15: Jerrican(10 lts), 16: Jerrican (5 lts), 17: Jerrican (3 lts), 18: Jerrican (2 lts), 20: Tin (20 lts), 21: Tin (5 lts), 22: Plastic Basin (15 lts), 29: Kimbo/Cowboy/Blueband Tin (2 kg), 30: Kimbo/Cowboy/Blueband Tin (1 kg), 31: Kimbo/Cowboy/Blueband Tin (0.5 kg), 32: Cup/Mug(0.5 lt), 37: Basket (20 kg), 38: Basket (10 kg), 39: Basket (5 kg), 40: Basket (2 kg), 67: Bunch (Big), 68: Bunch (Medium), 69: Bunch (Small), 83: Tobacco leaf (Number), 87: Piece (Large), 88: Piece (Medium), 89: Piece (Small), 90: Heap (Large), 91: Heap (Medium), 92: Heap (Small), 93: Cluster (Large), 94: Cluster (Medium), 95: Cluster (Small), 107: Nice cup (Large), 108: Nice cup (Medium), 109: Nice cup (Small), 119: Nomi Tin (1 kg), 120: Nomi Tin (0.5 kg), 121: Nomi Tin (0.25 kg), 122: Nido Tin (0.4 kg), 96: Other specify, 85: Number of units(General)

[27] s4aq12b: 12a. How much seed would you have used for this %rostertitle% if you had planted it pure stand on this [PLOT]?

 UNIT
Categories: 1: Kilogram (KG), 9: Sack (120 kgs), 10: Sack (100 kgs), 12: Sack (50 kgs), 14: Jerrican (20 lts), 15: Jerrican(10 lts), 16: Jerrican (5 lts), 17: Jerrican (3 lts), 18: Jerrican (2 lts), 20: Tin (20 lts), 21: Tin (5 lts), 22: Plastic Basin (15 lts), 29: Kimbo/Cowboy/Blueband Tin (2 kg), 30: Kimbo/Cowboy/Blueband Tin (1 kg), 31: Kimbo/Cowboy/Blueband Tin (0.5 kg), 32: Cup/Mug(0.5 lt), 37: Basket (20 kg), 38: Basket (10 kg), 39: Basket (5 kg), 40: Basket (2 kg), 67: Bunch (Big), 68: Bunch (Medium), 69: Bunch (Small), 83: Tobacco leaf (Number), 87: Piece (Large), 88: Piece (Medium), 89: Piece (Small), 90: Heap (Large), 91: Heap (Medium), 92: Heap (Small), 93: Cluster (Large), 94: Cluster (Medium), 95: Cluster (Small), 107: Nice cup (Large), 108: Nice cup (Medium), 109: Nice cup (Small), 119: Nomi Tin (1 kg), 120: Nomi Tin (0.5 kg), 121: Nomi Tin (0.25 kg), 122: Nido Tin (0.4 kg), 96: Other specify, 85: Number of units(General)

[28] s4aq11b_a: 11a. How much seed did you use for this %rostertitle%

 UNIT
Categories: 1: Kilogram (KG), 9: Sack (120 kgs), 10: Sack (100 kgs), 12: Sack (50 kgs), 14: Jerrican (20 lts), 15: Jerrican(10 lts), 16: Jerrican (5 lts), 17: Jerrican (3 lts), 18: Jerrican (2 lts), 20: Tin (20 lts), 21: Tin (5 lts), 22: Plastic Basin (15 lts), 29: Kimbo/Cowboy/Blueband Tin (2 kg), 30: Kimbo/Cowboy/Blueband Tin (1 kg), 31: Kimbo/Cowboy/Blueband Tin (0.5 kg), 32: Cup/Mug(0.5 lt), 37: Basket (20 kg), 38: Basket (10 kg), 39: Basket (5 kg), 40: Basket (2 kg), 67: Bunch (Big), 68: Bunch (Medium), 69: Bunch (Small), 83: Tobacco leaf (Number), 87: Piece (Large), 88: Piece (Medium), 89: Piece (Small), 90: Heap (Large), 91: Heap (Medium), 92: Heap (Small), 93: Cluster (Large), 94: Cluster (Medium), 95: Cluster (Small), 107: Nice cup (Large), 108: Nice cup (Medium), 109: Nice cup (Small), 119: Nomi Tin (1 kg), 120: Nomi Tin (0.5 kg), 121: Nomi Tin (0.25 kg), 122: Nido Tin (0.4 kg), 96: Other specify, 85: Number of units(General)

[29] s4aq12b_a: 12a. How much seed would you have used for this %rostertitle% if you had planted it pure stand on this [PLOT]?

 UNIT
Categories: 1: Kilogram (KG), 9: Sack (120 kgs), 10: Sack (100 kgs), 12: Sack (50 kgs), 14: Jerrican (20 lts), 15: Jerrican(10 lts), 16: Jerrican (5 lts), 17: Jerrican (3 lts), 18: Jerrican (2 lts), 20: Tin (20 lts), 21: Tin (5 lts), 22: Plastic Basin (15 lts), 29: Kimbo/Cowboy/Blueband Tin (2 kg), 30: Kimbo/Cowboy/Blueband Tin (1 kg), 31: Kimbo/Cowboy/Blueband Tin (0.5 kg), 32: Cup/Mug(0.5 lt), 37: Basket (20 kg), 38: Basket (10 kg), 39: Basket (5 kg), 40: Basket (2 kg), 67: Bunch (Big), 68: Bunch (Medium), 69: Bunch (Small), 83: Tobacco leaf (Number), 87: Piece (Large), 88: Piece (Medium), 89: Piece (Small), 90: Heap (Large), 91: Heap (Medium), 92: Heap (Small), 93: Cluster (Large), 94: Cluster (Medium), 95: Cluster (Small), 107: Nice cup (Large), 108: Nice cup (Medium), 109: Nice cup (Small), 119: Nomi Tin (1 kg), 120: Nomi Tin (0.5 kg), 121: Nomi Tin (0.25 kg), 122: Nido Tin (0.4 kg), 96: Other specify, 85: Number of units(General)

[30] s5aq06b_1: 6b. Unit
Categories: 1: Kilogram (KG), 9: Sack (120 kgs), 10: Sack (100 kgs), 12: Sack (50 kgs), 14: Jerrican (20 lts), 15: Jerrican(10 lts), 16: Jerrican (5 lts), 17: Jerrican (3 lts), 18: Jerrican (2 lts), 20: Tin (20 lts), 21: Tin (5 lts), 22: Plastic Basin (15 lts), 29: Kimbo/Cowboy/Blueband Tin (2 kg), 30: Kimbo/Cowboy/Blueband Tin (1 kg), 31: Kimbo/Cowboy/Blueband Tin (0.5 kg), 32: Cup/Mug(0.5 lt), 37: Basket (20 kg), 38: Basket (10 kg), 39: Basket (5 kg), 40: Basket (2 kg), 67: Bunch (Big), 68: Bunch (Medium), 69: Bunch (Small), 83: Tobacco leaf (Number), 87: Piece (Large), 88: Piece (Medium), 89: Piece (Small), 90: Heap (Large), 91: Heap (Medium), 92: Heap (Small), 93: Cluster (Large), 94: Cluster (Medium), 95: Cluster (Small), 107: Nice cup (Large), 108: Nice cup (Medium), 109: Nice cup (Small), 119: Nomi Tin (1 kg), 120: Nomi Tin (0.5 kg), 121: Nomi Tin (0.25 kg), 122: Nido Tin (0.4 kg), 85: Number of units(General), 96: Other specify

[31] s5aq06c_1: 6c. Condition / state
Categories: 11: Green harvested - with shell/cob and with stalk, 12: Green harvested - with shell/cob without stalk, 13: Green harvested - in the cob, 14: Green harvested - in the pods, 20: Fresh/raw harvested - state not applicable, 21: Fresh/raw harvested - with shell/cob and with stalk, 22: Fresh/raw harvested - with shell/cob without stalk, 23: Fresh/raw harvested - in the cob, 24: Fresh/raw harvested - in pods, 31: Dry at harvest - with shell/cob and with stalk, 32: Dry at harvest - with shell, 33: Dry at harvest - in the cob, 35: Dry at harvest - grain, 40: Dry after additional drying - state not applicable, 41: Dry after additional drying - with shell and with stalk, 42: Dry after additional drying - with shell, 43: Dry after additional drying - in the cob, 44: Dry after additional drying - In pods or shell/husks, 45: Dry - grain, 99: Not Applicable

[32] s5aq07b_1: 7b.Condition / state
Categories: 11: Green harvested - with shell/cob and with stalk, 12: Green harvested - with shell/cob without stalk, 13: Green harvested - in the cob, 14: Green harvested - in the pods, 20: Fresh/raw harvested - state not applicable, 21: Fresh/raw harvested - with shell/cob and with stalk, 22: Fresh/raw harvested - with shell/cob without stalk, 23: Fresh/raw harvested - in the cob, 24: Fresh/raw harvested - in pods, 31: Dry at harvest - with shell/cob and with stalk, 32: Dry at harvest - with shell, 33: Dry at harvest - in the cob, 35: Dry at harvest - grain, 40: Dry after additional dryi

ng - state not applicable, 41：Dry after additional drying - with shell and with stalk, 42：Dry after additional drying - with shell, 43：Dry after additional drying - in the cob, 44：Dry after additional drying - In pods or shell/husks, 45：Dry - grain, 99：Not Applicable

[33] s5aq07c_1: 7c. Unit
Categories: 1：Kilogram (KG), 9：Sack (120 kgs), 10：Sack (100 kgs), 12：Sack (50 kgs), 14：Jerrican (20 lts), 15：Jerrican(10 lts), 16：Jerrican (5 lts), 17：Jerrican (3 lts), 18：Jerrican (2 lts), 20：Tin (20 lts), 21：Tin (5 lts), 22：Plastic Basin (15 lts), 29：Kimbo/Cowboy/Blueband Tin (2 kg), 30：Kimbo/Cowboy/Blueband Tin (1 kg), 31：Kimbo/Cowboy/Blueband Tin (0.5 kg), 32：Cup/Mug(0.5 lt), 37：Basket (20 kg), 38：Basket (10 kg), 39：Basket (5 kg), 40：Basket (2 kg), 67：Bunch (Big), 68：Bunch (Medium), 69：Bunch (Small), 83：Tobacco leaf (Number), 87：Piece (Large), 88：Piece (Medium), 89：Piece (Small), 90：Heap (Large), 91：Heap (Medium), 92：Heap (Small), 93：Cluster (Large), 94：Cluster (Medium), 95：Cluster (Small), 107：Nice cup (Large), 108：Nice cup (Medium), 109：Nice cup (Small), 119：Nomi Tin (1 kg), 120：Nomi Tin (0.5 kg), 121：Nomi Tin (0.25 kg), 122：Nido Tin (0.4 kg), 85：Number of units(General), 96：Other specify

[34] s5bq06b_1: 6b. Unit
Categories: 1：Kilogram (KG), 9：Sack (120 kgs), 10：Sack (100 kgs), 12：Sack (50 kgs), 14：Jerrican (20 lts), 15：Jerrican(10 lts), 16：Jerrican (5 lts), 17：Jerrican (3 lts), 18：Jerrican (2 lts), 20：Tin (20 lts), 21：Tin (5 lts), 22：Plastic Basin (15 lts), 29：Kimbo/Cowboy/Blueband Tin (2 kg), 30：Kimbo/Cowboy/Blueband Tin (1 kg), 31：Kimbo/Cowboy/Blueband Tin (0.5 kg), 32：Cup/Mug(0.5 lt), 37：Basket (20 kg), 38：Basket (10 kg), 39：Basket (5 kg), 40：Basket (2 kg), 67：Bunch (Big), 68：Bunch (Medium), 69：Bunch (Small), 83：Tobacco leaf (Number), 87：Piece (Large), 88：Piece (Medium), 89：Piece (Small), 90：Heap (Large), 91：Heap (Medium), 92：Heap (Small), 93：Cluster (Large), 94：Cluster (Medium), 95：Cluster (Small), 107：Nice cup (Large), 108：Nice cup (Medium), 109：Nice cup (Small), 119：Nomi Tin (1 kg), 120：Nomi Tin (0.5 kg), 121：Nomi Tin (0.25 kg), 122：Nido Tin (0.4 kg), 85：Number of units(General), 96：Other specify

[35] s5bq06c_1: 6c. Condition / state
Categories: 11：Green harvested - with shell/cob and with stalk, 12：Green harvested - with shell/cob without stalk, 13：Green harvested - in the cob, 14：Green harvested - in the pods, 20：Fresh/raw harvested - state not applicable, 21：Fresh/raw harvested - with shell/cob and with stalk, 22：Fresh/raw harvested - with shell/cob without stalk, 23：Fresh/raw harvested - in the cob, 24：Fresh/raw harvested - in pods, 31：Dry at harvest - with shell/cob and with stalk, 32：Dry at harvest - with shell, 33：Dry at harvest - in the cob, 35：Dry at harvest - grain, 40：Dry after additional drying - state not applicable, 41：Dry after additional drying - with shell and with stalk, 42：Dry after additional drying - with shell, 43：Dry after additional drying - in the cob, 44：Dry after additional drying - In pods or shell/husks, 45：Dry - grain, 99：Not Applicable

[36] s5bq6b_1_unit: 6b_1. How much %rostertitle% do you expect to still be harvest during the 1st season of 2017 and in what condition/state?
Categories: 1：Kilogram (KG), 9：Sack (120 kgs), 10：Sack (100 kgs), 12：Sack (50 kgs), 14：Jerrican (20 lts), 15：Jerrican(10 lts), 16：Jerrican (5 lts), 17：Jerrican (3 lts), 18：Jerrican (2 lts), 20：Tin (20 lts), 21：Tin (5 lts), 22：Plastic Basin (15 lts), 29：Kimbo/Cowboy/Blueband Tin (2 kg), 30：Kimbo/Cowboy/Blueband Tin (1 kg), 31：Kimbo/Cowboy/Blueband Tin (0.5 kg), 32：Cup/Mug(0.5 lt), 37：Basket (20 kg), 38：Basket (10 kg), 39：Basket (5 kg), 40：Basket (2 kg), 67：Bunch (Big), 68：Bunch (Medium), 69：Bunch (Small), 83：Tobacco leaf (Number), 87：Piece (Large), 88：Piece (Medium), 89：Piece (Small), 90：Heap (Large), 91：Heap (Medium), 92：Heap (Small), 93：Cluster (Large), 94：Cluster (Medium), 95：Cluster (Small), 107：Nice cup (Large), 108：Nice cup (Medium), 109：Nice cup (Small), 119：Nomi Tin (1 kg), 120：Nomi Tin (0.5 kg), 121：Nomi Tin (0.25 kg), 122：Nido Tin (0.4 kg), 85：Number of units(General), 96：Other specify

[37] s5bq6b_1_condition: 6b_3. How much %rostertitle% do you expect to still be harvest during the 1st season of 2017 and in what condition/state? condition
Categories: 11：Green harvested - with shell/cob and with stalk, 12：Green harvested - with shell/cob without stalk, 13：Green harvested - in the cob, 14：Green harvested - in the pods, 20：Fresh/raw harvested - state not applicable, 21：Fresh/raw harvested - with shell/cob and with stalk, 22：Fresh/raw harvested - with shell/cob without stalk, 23：Fresh/raw harvested - in the cob, 24：Fresh/raw harvested - in pods, 31：Dry at harvest - with shell/cob and with stalk, 32：Dry at harvest - with shell, 33：Dry at harvest - in the cob, 35：Dry at harvest - grain, 40：Dry after additional drying - state not applicable, 41：Dry after additional drying - with shell and with stalk, 42：Dry after additional drying - with shell, 43：Dry after additional drying - in the cob, 44：Dry after additional drying - In pods or shell/husks, 45：Dry - grain, 99：Not Applicable

[38] s5bq07b_1: 7b.Condition / state
Categories: 11：Green harvested - with shell/cob and with stalk, 12：Green harvested - with shell/cob without stalk, 13：Green harvested - in the cob, 14：Green harvested - in the pods, 20：Fresh/raw harvested - state not applicable, 21：Fresh/raw harvested - with shell/cob and with stalk, 22：Fresh/raw harvested - with shell/cob without stalk, 23：Fresh/raw harvested - in the cob, 24：Fresh/raw harvested - in pods, 31：Dry at harvest - with shell/cob and with stalk, 32：Dry at harvest - with shell, 33：Dry at harvest - in the cob, 35：Dry at harvest - grain, 40：Dry after additional drying - state not applicable, 41：Dry after additional drying - with shell and with stalk, 42：Dry after additional drying - with shell, 43：Dry after additional drying - in the cob, 44：Dry after additional drying - In pods or shell/husks, 45：Dry - grain, 99：Not Applicable

[39] s5bq07c_1: 7c. Unit
Categories: 1：Kilogram (KG), 9：Sack (120 kgs), 10：Sack (100 kgs), 12：Sack (50 kgs), 14：Jerrican (20 lts), 15：Jerrican(10 lts), 16：Jerrican (5 lts), 17：Jerrican (3 lts), 18：Jerrican (2 lts), 20：Tin (20 lts), 21：Tin (5 lts), 22：Plastic Basin (15 lts), 29：Kimbo/Cowboy/Blueband Tin (2 kg), 30：Kimbo/Cowboy/Blueband Tin (1 kg), 31：Kimbo/Cowboy/Blueband Tin (0.5 kg), 32：Cup/Mug(0.5 lt), 37：Basket (20 kg), 38：Basket (10 kg), 39：Basket (5 kg), 40：Basket (2 kg), 67：Bunch (Big), 68：Bunch (Medium), 69：Bunch (Small), 83：Tobacco leaf (Number), 87：Piece (Large), 88：Piece (Medium), 89：Piece (Small), 90：Heap (Large), 91：Heap (Medium), 92：Heap (Small), 93：Cluster (Large), 94：Cluster (Medium), 95：Cluster (Small), 107：Nice cup (Large), 108：Nice cup (Medium), 109：Nice cup (Small), 119：Nomi Tin (1 kg), 120：Nomi Tin (0.5 kg), 121：Nomi Tin (0.25 kg), 122：Nido Tin (0.4 kg), 85：Number of units(General), 96：Other specify

[40] s5bq7a_1_cond: 7b_1. How much of the %rostertitle% do you expect will still be sold and in what condition/state? Condition:
Categories: 11：Green harvested - with shell/cob and with stalk, 12：Green harvested - with shell/cob without stalk, 13：Green harvested - in the cob, 14：Green harvested - in the pods, 20：Fresh/raw harvested - state not applicable, 21：Fresh/raw harvested - with shell/cob and with stalk, 22：Fresh/raw harvested - with shell/cob without stalk, 23：Fresh/raw harvested - in the cob, 24：Fresh/raw harvested - in pods, 31：Dry at harvest - with shell/cob and with stalk, 32：Dry at harvest - with shell, 33：Dry at harvest - in the cob, 35：Dry at harvest - grain, 40：Dry after additional drying - state not applicable, 41：Dry after additional drying - with shell and with stalk, 42：Dry after additional drying - with shell, 43：Dry after additional drying - in the cob, 44：Dry after additional drying - In pods or shell/husks, 45：Dry - grain, 99：Not Applicable

[41] s5bq7a_1_unit: 7C_1: Unit Code
Categories: 1：Kilogram (KG), 9：Sack (120 kgs), 10：Sack (100 kgs), 12：Sack (50 kgs), 14：Jerrican (20 lts), 15：Jerrican(10 lts), 16：Jerrican (5 lts), 17：Jerrican (3 lts), 18：Jerrican (2 lts), 20：Tin (20 lts), 21：Tin (5 lts), 22：Plastic Basin (15 lts), 29：Kimbo/Cowboy/Blueband Tin (2 kg), 30：Kimbo/Cowboy/Blueband Tin (1 kg), 31：Kimbo/Cowboy/Blueband Tin (0.5 kg), 32：Cup/Mug(0.5 lt), 37：Basket (20 kg), 38：Basket (10 kg), 39：Basket (5 kg

), 40：Basket (2 kg), 67：Bunch (Big), 68：Bunch (Medium), 69：Bunch (Small), 83：Tobacco leaf (Number), 87：Piece (Large), 88：Piece (Medium), 89：Piece (Small), 90：Heap (Large), 91：Heap (Medium), 92：Heap (Small), 93：Cluster (Large), 94：Cluster (Medium), 95：Cluster (Small), 107：Nice cup (Large), 108：Nice cup (Medium), 109：Nice cup (Small), 119：Nomi Tin (1 kg), 120：Nomi Tin (0.5 kg), 121：Nomi Tin (0.25 kg), 122：Nido Tin (0.4 kg), 85：Number of units(General), 96：Other specify

[42] s5cq06b_1: 6b. Unit
Categories: 1：Kilogram (KG), 9：Sack (120 kgs), 10：Sack (100 kgs), 12：Sack (50 kgs), 14：Jerrican (20 lts), 15：Jerrican(10 lts), 16：Jerrican (5 lts), 17：Jerrican (3 lts), 18：Jerrican (2 lts), 20：Tin (20 lts), 21：Tin (5 lts), 22：Plastic Basin (15 lts), 29：Kimbo/Cowboy/Blueband Tin (2 kg), 30：Kimbo/Cowboy/Blueband Tin (1 kg), 31：Kimbo/Cowboy/Blueband Tin (0.5 kg), 32：Cup/Mug(0.5 lt), 37：Basket (20 kg), 38：Basket (10 kg), 39：Basket (5 kg), 40：Basket (2 kg), 67：Bunch (Big), 68：Bunch (Medium), 69：Bunch (Small), 83：Tobacco leaf (Number), 87：Piece (Large), 88：Piece (Medium), 89：Piece (Small), 90：Heap (Large), 91：Heap (Medium), 92：Heap (Small), 93：Cluster (Large), 94：Cluster (Medium), 95：Cluster (Small), 107：Nice cup (Large), 108：Nice cup (Medium), 109：Nice cup (Small), 119：Nomi Tin (1 kg), 120：Nomi Tin (0.5 kg), 121：Nomi Tin (0.25 kg), 122：Nido Tin (0.4 kg), 85：Number of units(General), 96：Other specify

[43] s5cq06c_1: 6c. Condition / state
Categories: 11：Green harvested - with shell/cob and with stalk, 12：Green harvested - with shell/cob without stalk, 13：Green harvested - in the cob, 14：Green harvested - in the pods, 20：Fresh/raw harvested - state not applicable, 21：Fresh/raw harvested - with shell/cob and with stalk, 22：Fresh/raw harvested - with shell/cob without stalk, 23：Fresh/raw harvested - in the cob, 24：Fresh/raw harvested - in pods, 31：Dry at harvest - with shell/cob and with stalk, 32：Dry at harvest - with shell, 33：Dry at harvest - in the cob, 35：Dry at harvest - grain, 40：Dry after additional drying - state not applicable, 41：Dry after additional drying - with shell and with stalk, 42：Dry after additional drying - with shell, 43：Dry after additional drying - in the cob, 44：Dry after additional drying - In pods or shell/husks, 45：Dry - grain, 99：Not Applicable

[44] s5cq07b_1: 7b.Condition / state
Categories: 11：Green harvested - with shell/cob and with stalk, 12：Green harvested - with shell/cob without stalk, 13：Green harvested - in the cob, 14：Green harvested - in the pods, 20：Fresh/raw harvested - state not applicable, 21：Fresh/raw harvested - with shell/cob and with stalk, 22：Fresh/raw harvested - with shell/cob without stalk, 23：Fresh/raw harvested - in the cob, 24：Fresh/raw harvested - in pods, 31：Dry at harvest - with shell/cob and with stalk, 32：Dry at harvest - with shell, 33：Dry at harvest - in the cob, 35：Dry at harvest - grain, 40：Dry after additional drying - state not applicable, 41：Dry after additional drying - with shell and with stalk, 42：Dry after additional drying - with shell, 43：Dry after additional drying - in the cob, 44：Dry after additional drying - In pods or shell/husks, 45：Dry - grain, 99：Not Applicable

[45] s5cq07c_1: 7c. Unit
Categories: 1：Kilogram (KG), 9：Sack (120 kgs), 10：Sack (100 kgs), 12：Sack (50 kgs), 14：Jerrican (20 lts), 15：Jerrican(10 lts), 16：Jerrican (5 lts), 17：Jerrican (3 lts), 18：Jerrican (2 lts), 20：Tin (20 lts), 21：Tin (5 lts), 22：Plastic Basin (15 lts), 29：Kimbo/Cowboy/Blueband Tin (2 kg), 30：Kimbo/Cowboy/Blueband Tin (1 kg), 31：Kimbo/Cowboy/Blueband Tin (0.5 kg), 32：Cup/Mug(0.5 lt), 37：Basket (20 kg), 38：Basket (10 kg), 39：Basket (5 kg), 40：Basket (2 kg), 67：Bunch (Big), 68：Bunch (Medium), 69：Bunch (Small), 83：Tobacco leaf (Number), 87：Piece (Large), 88：Piece (Medium), 89：Piece (Small), 90：Heap (Large), 91：Heap (Medium), 92：Heap (Small), 93：Cluster (Large), 94：Cluster (Medium), 95：Cluster (Small), 107：Nice cup (Large), 108：Nice cup (Medium), 109：Nice cup (Small), 119：Nomi Tin (1 kg), 120：Nomi Tin (0.5 kg), 121：Nomi Tin (0.25 kg), 122：Nido Tin (0.4 kg), 85：Number of units(General), 96：Other specify

[46] s5aq06b_1_a: 6b. Unit
Categories: 1：Kilogram (KG), 9：Sack (120 kgs), 10：Sack (100 kgs), 12：Sack (50 kgs), 14：Jerrican (20 lts), 15：Jerrican(10 lts), 16：Jerrican (5 lts), 17：Jerrican (3 lts), 18：Jerrican (2 lts), 20：Tin (20 lts), 21：Tin (5 lts), 22：Plastic Basin (15 lts), 29：Kimbo/Cowboy/Blueband Tin (2 kg), 30：Kimbo/Cowboy/Blueband Tin (1 kg), 31：Kimbo/Cowboy/Blueband Tin (0.5 kg), 32：Cup/Mug(0.5 lt), 37：Basket (20 kg), 38：Basket (10 kg), 39：Basket (5 kg), 40：Basket (2 kg), 67：Bunch (Big), 68：Bunch (Medium), 69：Bunch (Small), 83：Tobacco leaf (Number), 87：Piece (Large), 88：Piece (Medium), 89：Piece (Small), 90：Heap (Large), 91：Heap (Medium), 92：Heap (Small), 93：Cluster (Large), 94：Cluster (Medium), 95：Cluster (Small), 107：Nice cup (Large), 108：Nice cup (Medium), 109：Nice cup (Small), 119：Nomi Tin (1 kg), 120：Nomi Tin (0.5 kg), 121：Nomi Tin (0.25 kg), 122：Nido Tin (0.4 kg), 85：Number of units(General), 96：Other specify

[47] s5aq06c_1_a: 6c. Condition / state
Categories: 11：Green harvested - with shell/cob and with stalk, 12：Green harvested - with shell/cob without stalk, 13：Green harvested - in the cob, 14：Green harvested - in the pods, 20：Fresh/raw harvested - state not applicable, 21：Fresh/raw harvested - with shell/cob and with stalk, 22：Fresh/raw harvested - with shell/cob without stalk, 23：Fresh/raw harvested - in the cob, 24：Fresh/raw harvested - in pods, 31：Dry at harvest - with shell/cob and with stalk, 32：Dry at harvest - with shell, 33：Dry at harvest - in the cob, 35：Dry at harvest - grain, 40：Dry after additional drying - state not applicable, 41：Dry after additional drying - with shell and with stalk, 42：Dry after additional drying - with shell, 43：Dry after additional drying - in the cob, 44：Dry after additional drying - In pods or shell/husks, 45：Dry - grain, 99：Not Applicable

[48] s5aq07b_1_a: 7b.Condition / state
Categories: 11：Green harvested - with shell/cob and with stalk, 12：Green harvested - with shell/cob without stalk, 13：Green harvested - in the cob, 14：Green harvested - in the pods, 20：Fresh/raw harvested - state not applicable, 21：Fresh/raw harvested - with shell/cob and with stalk, 22：Fresh/raw harvested - with shell/cob without stalk, 23：Fresh/raw harvested - in the cob, 24：Fresh/raw harvested - in pods, 31：Dry at harvest - with shell/cob and with stalk, 32：Dry at harvest - with shell, 33：Dry at harvest - in the cob, 35：Dry at harvest - grain, 40：Dry after additional drying - state not applicable, 41：Dry after additional drying - with shell and with stalk, 42：Dry after additional drying - with shell, 43：Dry after additional drying - in the cob, 44：Dry after additional drying - In pods or shell/husks, 45：Dry - grain, 99：Not Applicable

[49] s5aq07c_1_a: 7c. Unit
Categories: 1：Kilogram (KG), 9：Sack (120 kgs), 10：Sack (100 kgs), 12：Sack (50 kgs), 14：Jerrican (20 lts), 15：Jerrican(10 lts), 16：Jerrican (5 lts), 17：Jerrican (3 lts), 18：Jerrican (2 lts), 20：Tin (20 lts), 21：Tin (5 lts), 22：Plastic Basin (15 lts), 29：Kimbo/Cowboy/Blueband Tin (2 kg), 30：Kimbo/Cowboy/Blueband Tin (1 kg), 31：Kimbo/Cowboy/Blueband Tin (0.5 kg), 32：Cup/Mug(0.5 lt), 37：Basket (20 kg), 38：Basket (10 kg), 39：Basket (5 kg), 40：Basket (2 kg), 67：Bunch (Big), 68：Bunch (Medium), 69：Bunch (Small), 83：Tobacco leaf (Number), 87：Piece (Large), 88：Piece (Medium), 89：Piece (Small), 90：Heap (Large), 91：Heap (Medium), 92：Heap (Small), 93：Cluster (Large), 94：Cluster (Medium), 95：Cluster (Small), 107：Nice cup (Large), 108：Nice cup (Medium), 109：Nice cup (Small), 119：Nomi Tin (1 kg), 120：Nomi Tin (0.5 kg), 121：Nomi Tin (0.25 kg), 122：Nido Tin (0.4 kg), 85：Number of units(General), 96：Other specify

[50] s5bq06b_1_a: 6b. Unit
Categories: 1：Kilogram (KG), 9：Sack (120 kgs), 10：Sack (100 kgs), 12：Sack (50 kgs), 14：Jerrican (20 lts), 15：Jerrican(10 lts), 16：Jerrican (5 lts), 17：Jerrican (3 lts), 18：Jerrican (2 lts), 20：Tin (20 lts), 21：Tin (5 lts), 22：Plastic Basin (15 lts), 29：Kimbo/Cowboy/Blueband Tin (2 kg), 30：Kimbo/

owboy/Blueband Tin (1 kg), 31：Kimbo/Cowboy/Blueband Tin (0.5 kg), 32：Cup/Mug(0.5 lt), 37：Basket (20 kg), 38：Basket (10 kg), 39：Basket (5 kg), 40：Basket (2 kg), 67：Bunch (Big), 68：Bunch (Medium), 69：Bunch (Small), 83：Tobacco leaf (Number), 87：Piece (Large), 88：Piece (Medium), 89：Piece (Small), 90：Heap (Large), 91：Heap (Medium), 92：Heap (Small), 93：Cluster (Large), 94：Cluster (Medium), 95：Cluster (Small), 107：Nice cup (Large), 108：Nice cup (Medium), 109：Nice cup (Small), 119：Nomi Tin (1 kg), 120：Nomi Tin (0.5 kg), 121：Nomi Tin (0.25 kg), 122：Nido Tin (0.4 kg), 85：Number of units(General), 96：Other specify

[51] s5bq06c_1_a: 6c. Condition / state
Categories: 11：Green harvested - with shell/cob and with stalk, 12：Green harvested - with shell/cob without stalk, 13：Green harvested - in the cob, 14：Green harvested - in the pods, 20：Fresh/raw harvested - state not applicable, 21：Fresh/raw harvested - with shell/cob and with stalk, 22：Fresh/raw harvested - with shell/cob without stalk, 23：Fresh/raw harvested - in the cob, 24：Fresh/raw harvested - in pods, 31：Dry at harvest - with shell/cob and with stalk, 32：Dry at harvest - with shell, 33：Dry at harvest - in the cob, 35：Dry at harvest - grain, 40：Dry after additional drying - state not applicable, 41：Dry after additional drying - with shell and with stalk, 42：Dry after additional drying - with shell, 43：Dry after additional drying - in the cob, 44：Dry after additional drying - In pods or shell/husks, 45：Dry - grain, 99：Not Applicable

[52] s5bq6b_1_unit_a: 6b_1. How much %rostertitle% do you expect to still be harvest during the 1st season of 2017 and in what condition/state?
Categories: 1：Kilogram (KG), 9：Sack (120 kgs), 10：Sack (100 kgs), 12：Sack (50 kgs), 14：Jerrican (20 lts), 15：Jerrican(10 lts), 16：Jerrican (5 lts), 17：Jerrican (3 lts), 18：Jerrican (2 lts), 20：Tin (20 lts), 21：Tin (5 lts), 22：Plastic Basin (15 lts), 29：Kimbo/Cowboy/Blueband Tin (2 kg), 30：Kimbo/Cowboy/Blueband Tin (1 kg), 31：Kimbo/Cowboy/Blueband Tin (0.5 kg), 32：Cup/Mug(0.5 lt), 37：Basket (20 kg), 38：Basket (10 kg), 39：Basket (5 kg), 40：Basket (2 kg), 67：Bunch (Big), 68：Bunch (Medium), 69：Bunch (Small), 83：Tobacco leaf (Number), 87：Piece (Large), 88：Piece (Medium), 89：Piece (Small), 90：Heap (Large), 91：Heap (Medium), 92：Heap (Small), 93：Cluster (Large), 94：Cluster (Medium), 95：Cluster (Small), 107：Nice cup (Large), 108：Nice cup (Medium), 109：Nice cup (Small), 119：Nomi Tin (1 kg), 120：Nomi Tin (0.5 kg), 121：Nomi Tin (0.25 kg), 122：Nido Tin (0.4 kg), 85：Number of units(General), 96：Other specify

[53] s5bq6b_1_condition_a: 6b_3. How much %rostertitle% do you expect to still be harvest during the 1st season of 2017 and in what condition/state? condition
Categories: 11：Green harvested - with shell/cob and with stalk, 12：Green harvested - with shell/cob without stalk, 13：Green harvested - in the cob, 14：Green harvested - in the pods, 20：Fresh/raw harvested - state not applicable, 21：Fresh/raw harvested - with shell/cob and with stalk, 22：Fresh/raw harvested - with shell/cob without stalk, 23：Fresh/raw harvested - in the cob, 24：Fresh/raw harvested - in pods, 31：Dry at harvest - with shell/cob and with stalk, 32：Dry at harvest - with shell, 33：Dry at harvest - in the cob, 35：Dry at harvest - grain, 40：Dry after additional drying - state not applicable, 41：Dry after additional drying - with shell and with stalk, 42：Dry after additional drying - with shell, 43：Dry after additional drying - in the cob, 44：Dry after additional drying - In pods or shell/husks, 45：Dry - grain, 99：Not Applicable

[54] s5bq07b_1_a: 7b.Condition / state
Categories: 11：Green harvested - with shell/cob and with stalk, 12：Green harvested - with shell/cob without stalk, 13：Green harvested - in the cob, 14：Green harvested - in the pods, 20：Fresh/raw harvested - state not applicable, 21：Fresh/raw harvested - with shell/cob and with stalk, 22：Fresh/raw harvested - with shell/cob without stalk, 23：Fresh/raw harvested - in the cob, 24：Fresh/raw harvested - in pods, 31：Dry at harvest - with shell/cob and with stalk, 32：Dry at harvest - with shell, 33：Dry at harvest - in the cob, 35：Dry at harvest - grain, 40：Dry after additional drying - state not applicable, 41：Dry after additional drying - with shell and with stalk, 42：Dry after additional drying - with shell, 43：Dry after additional drying - in the cob, 44：Dry after additional drying - In pods or shell/husks, 45：Dry - grain, 99：Not Applicable

[55] s5bq07c_1_a: 7c. Unit
Categories: 1：Kilogram (KG), 9：Sack (120 kgs), 10：Sack (100 kgs), 12：Sack (50 kgs), 14：Jerrican (20 lts), 15：Jerrican(10 lts), 16：Jerrican (5 lts), 17：Jerrican (3 lts), 18：Jerrican (2 lts), 20：Tin (20 lts), 21：Tin (5 lts), 22：Plastic Basin (15 lts), 29：Kimbo/Cowboy/Blueband Tin (2 kg), 30：Kimbo/Cowboy/Blueband Tin (1 kg), 31：Kimbo/Cowboy/Blueband Tin (0.5 kg), 32：Cup/Mug(0.5 lt), 37：Basket (20 kg), 38：Basket (10 kg), 39：Basket (5 kg), 40：Basket (2 kg), 67：Bunch (Big), 68：Bunch (Medium), 69：Bunch (Small), 83：Tobacco leaf (Number), 87：Piece (Large), 88：Piece (Medium), 89：Piece (Small), 90：Heap (Large), 91：Heap (Medium), 92：Heap (Small), 93：Cluster (Large), 94：Cluster (Medium), 95：Cluster (Small), 107：Nice cup (Large), 108：Nice cup (Medium), 109：Nice cup (Small), 119：Nomi Tin (1 kg), 120：Nomi Tin (0.5 kg), 121：Nomi Tin (0.25 kg), 122：Nido Tin (0.4 kg), 85：Number of units(General), 96：Other specify

[56] s5bq7a_1_cond_a: 7b_1. How much of the %rostertitle% do you expect will still be sold and in what condition/state? Condition:
Categories: 11：Green harvested - with shell/cob and with stalk, 12：Green harvested - with shell/cob without stalk, 13：Green harvested - in the cob, 14：Green harvested - in the pods, 20：Fresh/raw harvested - state not applicable, 21：Fresh/raw harvested - with shell/cob and with stalk, 22：Fresh/raw harvested - with shell/cob without stalk, 23：Fresh/raw harvested - in the cob, 24：Fresh/raw harvested - in pods, 31：Dry at harvest - with shell/cob and with stalk, 32：Dry at harvest - with shell, 33：Dry at harvest - in the cob, 35：Dry at harvest - grain, 40：Dry after additional drying - state not applicable, 41：Dry after additional drying - with shell and with stalk, 42：Dry after additional drying - with shell, 43：Dry after additional drying - in the cob, 44：Dry after additional drying - In pods or shell/husks, 45：Dry - grain, 99：Not Applicable

[57] s5bq7a_1_unit_a: 7C_1: Unit Code
Categories: 1：Kilogram (KG), 9：Sack (120 kgs), 10：Sack (100 kgs), 12：Sack (50 kgs), 14：Jerrican (20 lts), 15：Jerrican(10 lts), 16：Jerrican (5 lts), 17：Jerrican (3 lts), 18：Jerrican (2 lts), 20：Tin (20 lts), 21：Tin (5 lts), 22：Plastic Basin (15 lts), 29：Kimbo/Cowboy/Blueband Tin (2 kg), 30：Kimbo/Cowboy/Blueband Tin (1 kg), 31：Kimbo/Cowboy/Blueband Tin (0.5 kg), 32：Cup/Mug(0.5 lt), 37：Basket (20 kg), 38：Basket (10 kg), 39：Basket (5 kg), 40：Basket (2 kg), 67：Bunch (Big), 68：Bunch (Medium), 69：Bunch (Small), 83：Tobacco leaf (Number), 87：Piece (Large), 88：Piece (Medium), 89：Piece (Small), 90：Heap (Large), 91：Heap (Medium), 92：Heap (Small), 93：Cluster (Large), 94：Cluster (Medium), 95：Cluster (Small), 107：Nice cup (Large), 108：Nice cup (Medium), 109：Nice cup (Small), 119：Nomi Tin (1 kg), 120：Nomi Tin (0.5 kg), 121：Nomi Tin (0.25 kg), 122：Nido Tin (0.4 kg), 85：Number of units(General), 96：Other specify

[58] s5cq06b_1_a: 6b. Unit
Categories: 1：Kilogram (KG), 9：Sack (120 kgs), 10：Sack (100 kgs), 12：Sack (50 kgs), 14：Jerrican (20 lts), 15：Jerrican(10 lts), 16：Jerrican (5 lts), 17：Jerrican (3 lts), 18：Jerrican (2 lts), 20：Tin (20 lts), 21：Tin (5 lts), 22：Plastic Basin (15 lts), 29：Kimbo/Cowboy/Blueband Tin (2 kg), 30：Kimbo/Cowboy/Blueband Tin (1 kg), 31：Kimbo/Cowboy/Blueband Tin (0.5 kg), 32：Cup/Mug(0.5 lt), 37：Basket (20 kg), 38：Basket (10 kg), 39：Basket (5 kg), 40：Basket (2 kg), 67：Bunch (Big), 68：Bunch (Medium), 69：Bunch (Small), 83：Tobacco leaf (Number), 87：Piece (Large), 88：Piece (Medium), 89：Piece (Small), 90：Heap (Large), 91：Heap (Medium), 92：Heap (Small), 93：Cluster (Large), 94：Cluster (Medium), 95：Cluster (Small), 107：Nice cup (Large), 108：Nice cup (Medium), 109：Nice cup (Small), 119：Nomi Tin (1 kg), 120：Nomi Tin (0.5 kg), 121：Nomi Tin (0.25 kg), 122：Nido Tin (0.4 kg), 85：Number of units(General), 96：Other specify

[59] s5cq06c_1_a: 6c. Condition / state

Categories: 11:Green harvested - with shell/cob and with stalk, 12:Green harvested - with shell/cob without stalk, 13:Green harvested - in the cob, 14:Green harvested - in the pods, 20:Fresh/raw harvested - state not applicable, 21:Fresh/raw harvested - with shell/cob and with stalk, 22:Fresh/raw harvested - with shell/cob without stalk, 23:Fresh/raw harvested - in the cob, 24:Fresh/raw harvested - in pods, 31:Dry at harvest - with shell/cob and with stalk, 32:Dry at harvest - with shell, 33:Dry at harvest - in the cob, 35:Dry at harvest - grain, 40:Dry after additional drying - state not applicable, 41:Dry after additional drying - with shell and with stalk, 42:Dry after additional drying - with shell, 43:Dry after additional drying - in the cob, 44:Dry after additional drying - In pods or shell/husks, 45:Dry - grain, 99:Not Applicable

[60] s5cq07b_1_a: 7b.Condition / state

Categories: 11:Green harvested - with shell/cob and with stalk, 12:Green harvested - with shell/cob without stalk, 13:Green harvested - in the cob, 14:Green harvested - in the pods, 20:Fresh/raw harvested - state not applicable, 21:Fresh/raw harvested - with shell/cob and with stalk, 22:Fresh/raw harvested - with shell/cob without stalk, 23:Fresh/raw harvested - in the cob, 24:Fresh/raw harvested - in pods, 31:Dry at harvest - with shell/cob and with stalk, 32:Dry at harvest - with shell, 33:Dry at harvest - in the cob, 35:Dry at harvest - grain, 40:Dry after additional drying - state not applicable, 41:Dry after additional drying - with shell and with stalk, 42:Dry after additional drying - with shell, 43:Dry after additional drying - in the cob, 44:Dry after additional drying - In pods or shell/husks, 45:Dry - grain, 99:Not Applicable

[61] s5cq07c_1_a: 7c. Unit

Categories: 1:Kilogram (KG), 9:Sack (120 kgs), 10:Sack (100 kgs), 12:Sack (50 kgs), 14:Jerrican (20 lts), 15:Jerrican(10 lts), 16:Jerrican (5 lts), 17:Jerrican (3 lts), 18:Jerrican (2 lts), 20:Tin (20 lts), 21:Tin (5 lts), 22:Plastic Basin (15 lts), 29:Kimbo/Cowboy/Blueband Tin (2 kg), 30:Kimbo/Cowboy/Blueband Tin (1 kg), 31:Kimbo/Cowboy/Blueband Tin (0.5 kg), 32:Cup/Mug(0.5 lt), 37:Basket (20 kg), 38:Basket (10 kg), 39:Basket (5 kg), 40:Basket (2 kg), 67:Bunch (Big), 68:Bunch (Medium), 69:Bunch (Small), 83:Tobacco leaf (Number), 87:Piece (Large), 88:Piece (Medium), 89:Piece (Small), 90:Heap (Large), 91:Heap (Medium), 92:Heap (Small), 93:Cluster (Large), 94:Cluster (Medium), 95:Cluster (Small), 107:Nice cup (Large), 108:Nice cup (Medium), 109:Nice cup (Small), 119:Nomi Tin (1 kg), 120:Nomi Tin (0.5 kg), 121:Nomi Tin (0.25 kg), 122:Nido Tin (0.4 kg), 85:Number of units(General), 96:Other specify

[62] sa10q1: Did you own or use [item] during the last 12 months?

Categories: 1:Hoe, 2:Ploughs, 3:Pangas, 4:Slashers, 5:Wheel barrows, 6:Tractor, 7:Watering cans, 8:Pruning knives, 9:Pruning saws, 10:Chain/band saws, 11:Sheller, 12:Spade, 13:Fork hoe, 14:Ox-plough, 15:Trailer, 16:Harrow/cultivator, 17:Weeder, 18:Planter, 19:Sprayer, 20:Pail, 21:Milk can, 22:Other (SPECIFY)

APPENDIX E — VARIABLES

[1] Date_check:

/* CALCULATING AGE UNDER THREE SCENARIOS */ h2q09a.InRange(1,31) && h2q09b.InRange(1,12) && h2q09c.InRange(1900,2017) && s1bq02!=null ? FullYearsBetween(new DateTime ((int) h2q09c, (int) h2q09b, (int) h2q09a) , s1bq02) : // if day is "do not know", use 98 h2q09a==98 && h2q09b.InRange(1,12) && h2q09c.InRange(1900,2017) && s1bq02!=null ? FullYearsBetween(new DateTime ((int) h2q09c, (int) h2q09b, (int) 1) , s1bq02) : // if month, take as month (h2q09a.InRange(1,31) || h2q09a==98) && h2q09b==98 && h2q09c.InRange(1900,2017) && s1bq02.Value.Year!=null ? s1bq02.Value.Year - h2q09c : // if year is "do not know" h2q09c==9998 ? h2q08: null

APPENDIX F — CATEGORIES FILTERS

[1] s4aq11b: 11a. How much seed did you use for this %rostertitle%

 UNIT

@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[2] s4aq12b: 12a. How much seed would you have used for this %rostertitle% if you had planted it pure stand on this [PLOT]?

 UNIT

@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[3] s4aq11b_a: 11a. How much seed did you use for this %rostertitle%

 UNIT

@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[4] s4aq12b_a: 12a. How much seed would you have used for this %rostertitle% if you had planted it pure stand on this [PLOT]?

 UNIT

@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[5] s5aq06b_1: 6b. Unit

@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[6] s5aq07c_1: 7c. Unit

@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[7] s5bq06b_1: 6b. Unit

@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[8] s5bq6b_1_unit: 6b_1. How much %rostertitle% do you expect to still be harvest during the 1st season of 2017 and in what condition/state?

@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||

@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[9] s5bq07c_1: 7c. Unit
@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[10] s5bq7a_1_unit: 7C_1: Unit Code
@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[11] s5cq06b_1: 6b. Unit
@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[12] s5cq07c_1: 7c. Unit
@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[13] s5aq06b_1_a: 6b. Unit
@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[14] s5aq07c_1_a: 7c. Unit
@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[15] s5bq06b_1_a: 6b. Unit
@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[16] s5bq6b_1_unit_a: 6b_1. How much %rostertitle% do you expect to still be harvest during the 1st season of 2017 and in what condition/state?
@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||

@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[17] s5bq07c_1_a: 7c. Unit
@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[18] s5bq7a_1_unit_a: 7C_1: Unit Code
@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[19] s5cq06b_1_a: 6b. Unit
@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

[20] s5cq07c_1_a: 7c. Unit
@optioncode == Units[(int)@rowcode].u1 || @optioncode == Units[(int)@rowcode].u2 || @optioncode == Units[(int)@rowcode].u3 ||
@optioncode == Units[(int)@rowcode].u4 || @optioncode == Units[(int)@rowcode].u5 || @optioncode == Units[(int)@rowcode].u6 ||
@optioncode == Units[(int)@rowcode].u7 || @optioncode == Units[(int)@rowcode].u8 || @optioncode == Units[(int)@rowcode].u9 ||
@optioncode == Units[(int)@rowcode].u10 || @optioncode == Units2[(int)@rowcode].u11 || @optioncode == Units2[(int)@rowcode].u12 ||
@optioncode == Units2[(int)@rowcode].u13 || @optioncode == Units2[(int)@rowcode].u14 || @optioncode == Units2[(int)@rowcode].u15 ||
@optioncode == Units2[(int)@rowcode].u16 || @optioncode == Units2[(int)@rowcode].u17 || @optioncode == Units2[(int)@rowcode].u18 ||
@optioncode == Units2[(int)@rowcode].u19 || @optioncode == Units2[(int)@rowcode].u20 || @optioncode == Units3[(int)@rowcode].u21 ||
@optioncode == Units3[(int)@rowcode].u22 || @optioncode == Units3[(int)@rowcode].u23 || @optioncode == Units3[(int)@rowcode].u24 ||
@optioncode == Units3[(int)@rowcode].u25 || @optioncode == Units3[(int)@rowcode].u26 || @optioncode == Units3[(int)@rowcode].u27

Legend and structure of information in this file

Name of section

Enabling condition for this section

Type of question, scope

Variable name

Question title

Answer options

SECTION 5: OTHER INCOME SOURCES

E s4_other_sources_which.Contains(98)

Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur?

MULTI-SELECT
SCOPE: PREFILLED

s4_rel_leaders_other

I **This refers to family relations**
E s3_time_other > 0
V1 s4_rel_leaders_which.Contains(98)
M1 **Can not be itself**
V2 (s3_time_other_breeding_advice <= (50 - s3_time_art_in-
sem_advice)) ||s3_time_other_breeding_advice == 0
M2 **This person is not in the list**
F optioncode != s5_ignored_option_code

01 ☐ **Community animal health workers**

02 ☐ **Private**

03 ☐ **Government**

04 ☐ **Livestock keepers association**

05 ☐ **NGO**

And **5 other [13]**

Additional information:
"I" — Question instruction
"E" — Enabling condition
"V1" — Validation condition №1
"M1" — Message for validation №1
"F" — Filter in Categorical questions

Link to full set in appendix

Breadcrumbs

Type or roster

Roster Title

CHAPTER 3 IDENTIFICATION /

Roster: LEADER RELATION DETAILS

generated by fixed list:

01 **Ward Livestock Officer**

02 **Village Livestock Officer**

99 **Other (specify)**

List items