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Sections: 19, Sub-sections: 31,
Questions: 657.
Questions with enabling conditions:
388
Questions with validation
conditions:120
Rosters: 43
Variables: 36

Horticulture

SURVEY IDENTIFICATION INFORMATION QUESTIONNAIRE DESCRIPTION

A. CONSENT

Sub-sections: 3, No rosters, Questions: 20, Static texts: 3.

B. HOUSEHOLD ROSTER

No sub-sections, Rosters: 1, Questions: 28, Static texts: 2.

C. EMPLOYMENT

Sub-sections: 3, Rosters: 1, Questions: 24.

D. ENTERPRISES

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

F. HORTICULTURE

Sub-sections: 2, No rosters, Questions: 43, Static texts: 3.

G. PARCEL ROSTER

No sub-sections, Rosters: 1, Questions: 26, Static texts: 4, Variables: 1.

H. SEASON A

Sub-sections: 4, Rosters: 6, Questions: 98, Static texts: 11, Variables: 9.

I. SEASON B

Sub-sections: 4, Rosters: 6, Questions: 100, Static texts: 11, Variables: 9.

J. SEASON C

Sub-sections: 4, Rosters: 6, Questions: 102, Static texts: 11, Variables: 9.

K. PERENNIAL CROPS

Sub-sections: 3, Rosters: 7, Questions: 87, Static texts: 10, Variables: 8.

L. LIVESTOCK

No sub-sections, Rosters: 4, Questions: 13.

M. OTHER INCOME

No sub-sections, Rosters: 2, Questions: 5.

N. ASSETS AND HOUSING

Sub-sections: 4, Rosters: 2, Questions: 36.

O. SHOCKS

No sub-sections, Rosters: 1, Questions: 9.

P. SOCIAL CAPITAL

Sub-sections: 2, Rosters: 2, Questions: 17.

Q. FOOD

Sub-sections: 2, Rosters: 1, Questions: 11.

R. CREDIT

No sub-sections, Rosters: 1, Questions: 12.

S. EXTENSION AND INFORMATION

No sub-sections, Rosters: 1, Questions: 6.

T. RESULT

No sub-sections, No rosters, Questions: 5.

APPENDIX A — INSTRUCTIONS

APPENDIX B — OPTIONS

LEGEND

SURVEY IDENTIFICATION INFORMATION QUESTIONNAIRE DESCRIPTION

Basic information

Title Horticulture

A. CONSENT

<p>COOPERATIVE ID</p> <p>V1 self<100</p> <p>M1 VALUE OUTSIDE RANGE</p>	<p>NUMERIC: INTEGER coid</p> <p>SCOPE: IDENTIFYING</p> <p>-----</p>
<p>HOUSEHOLD ID</p> <p>V1 self.InRange(10000,100000)</p> <p>M1 VALUE OUTSIDE RANGE</p> <p>V2 (self-(coid*1000)).InRange(0,999)</p> <p>M2 ID WRONG</p>	<p>NUMERIC: INTEGER hhid</p> <p>SCOPE: IDENTIFYING</p> <p>-----</p>
<p>HOUSEHOLD NAME (FROM TRACKING SHEET)</p>	<p>TEXT hhname</p> <p>.....</p>
<p>Province</p>	<p>SINGLE-SELECT Province</p> <p>01 <input type="radio"/> Kigali City</p> <p>02 <input type="radio"/> Southern Province</p> <p>03 <input type="radio"/> Western Province</p> <p>04 <input type="radio"/> Northern Province</p> <p>05 <input type="radio"/> Eastern Province</p>
<p>District</p>	<p>SINGLE-SELECT: CASCADING District</p> <p>56 <input type="radio"/> Ngoma</p> <p>57 <input type="radio"/> Bugesera</p> <p>34 <input type="radio"/> Nyabihu</p> <p>24 <input type="radio"/> Huye</p> <p>12 <input type="radio"/> Gasabo</p> <p>28 <input type="radio"/> Kamonyi</p> <p>32 <input type="radio"/> Rutsiro</p> <p>33 <input type="radio"/> Rubavu</p> <p>35 <input type="radio"/> Ngororero</p> <p>36 <input type="radio"/> Rusizi</p> <p>37 <input type="radio"/> Nyamasheke</p> <p>43 <input type="radio"/> Musanze</p> <p>44 <input type="radio"/> Burera</p> <p>45 <input type="radio"/> Gicumbi</p> <p>51 <input type="radio"/> Rwamagana</p> <p>52 <input type="radio"/> Nyagatare</p> <p>And 14 other symbols [1]</p>

Sector	<p>SINGLE-SELECT: CASCADING Sector</p> <p>1101 <input type="radio"/> Gitega (1101)</p> <p>1102 <input type="radio"/> Kanyinya (1102)</p> <p>1103 <input type="radio"/> Kigali (1103)</p> <p>1104 <input type="radio"/> Kimisagara (1104)</p> <p>1105 <input type="radio"/> Mageregere (1105)</p> <p>1106 <input type="radio"/> Muhima (1106)</p> <p>1107 <input type="radio"/> Nyakabanda (1107)</p> <p>1108 <input type="radio"/> Nyamirambo (1108)</p> <p>1109 <input type="radio"/> Nyarugenge (1109)</p> <p>1110 <input type="radio"/> Rwezamenyo (1110)</p> <p>1201 <input type="radio"/> Bumbogo (1201)</p> <p>1202 <input type="radio"/> Gatsata (1202)</p> <p>1203 <input type="radio"/> Gikomero (1203)</p> <p>1204 <input type="radio"/> Gisozi (1204)</p> <p>1205 <input type="radio"/> Jabana (1205)</p> <p>1206 <input type="radio"/> Jali (1206)</p> <p>And 400 other symbols [2]</p>
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Cell	<p>SINGLE-SELECT: CASCADING cell</p> <p>110101 <input type="radio"/> Akabahizi (110101)</p> <p>110102 <input type="radio"/> Akabeza (110102)</p> <p>110103 <input type="radio"/> Gacyamo (110103)</p> <p>110104 <input type="radio"/> Kigarama (110104)</p> <p>110105 <input type="radio"/> Kinyange (110105)</p> <p>110106 <input type="radio"/> Kora (110106)</p> <p>110201 <input type="radio"/> Nyamweru (110201)</p> <p>110202 <input type="radio"/> Nzove (110202)</p> <p>110203 <input type="radio"/> Taba (110203)</p> <p>110301 <input type="radio"/> Kigali (110301)</p> <p>110302 <input type="radio"/> Mwendo (110302)</p> <p>110303 <input type="radio"/> Nyabugogo (110303)</p> <p>110304 <input type="radio"/> Ruriba (110304)</p> <p>110305 <input type="radio"/> Rwesero (110305)</p> <p>110401 <input type="radio"/> Kamuhoza (110401)</p> <p>110402 <input type="radio"/> Katabaro (110402)</p> <p>And 2131 other symbols [3]</p>
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Village	<p>TEXT village</p> <p>.....</p>
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A. CONSENT
VISIT 1

DATE & TIME OF FIRST VISIT	<p>DATE: CURRENT TIME v1_date</p> <p>DD/MM/YYYY</p> <p>.....</p>
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<p>RECORD GPS IN FRONT OF THE DWELLING (OUTSIDE)</p>	<p>GPS v1_gpscrdd</p> <p>N -----</p> <p>W -----</p> <p>A -----</p>
<p>IS A PERSON AVAILABLE AT THE DWELLING?</p>	<p>SINGLE-SELECT v1_dw1av1</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p> <p>03 <input type="radio"/> UNABLE TO TRACK HOUSEHOLD</p>

A. CONSENT
VISIT 2

E v1_out_mr==2 || v1_out_mr==5 || v1_out_mr==6

<p>DATE & TIME OF SECOND VISIT</p>	<p>DATE: CURRENT TIME v2_date</p> <p>DD/MM/YYYY</p> <p>.....</p>
<p>RECORD GPS IN FRONT OF THE DWELLING (OUTSIDE)</p>	<p>GPS v2_gpscrdd</p> <p>N -----</p> <p>W -----</p> <p>A -----</p>
<p>IS A PERSON AVAILABLE AT THE DWELLING?</p>	<p>SINGLE-SELECT v2_dw1av1</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>

A. CONSENT
VISIT 3

E v2_out_mr==2 || v2_out_mr==5 || v2_out_mr==6

<p>DATE & TIME OF THIRD VISIT</p>	<p>DATE: CURRENT TIME v3_date</p> <p>DD/MM/YYYY</p> <p>.....</p>
<p>RECORD GPS IN FRONT OF THE DWELLING (OUTSIDE)</p>	<p>GPS v3_gpscrdd</p> <p>N -----</p> <p>W -----</p> <p>A -----</p>

IS A PERSON AVAILABLE AT THE DWELLING?

SINGLE-SELECT

v3_dw1av1

01 Yes02 No

Main respondent cell phone

TEXT

cell_respond

I @@ENTER 0000000000 IF NONE

V1 (Convert.ToInt32(self) > 720000000 && Convert.ToInt32(self) < 789999999) || Convert.ToInt32(self)==0

M1 NUMBER NOT VALID

STATIC TEXT

CONVEY THE FOLLOWING INFORMATION TO THE RESPONDENT:

STATIC TEXT

Hello. My name is.... I am part of the team from Dalberg Research, which is collaborating with the National Agricultural Export Development Board (NAEB) and the International Fund for Agricultural Development (IFAD). We are conducting a survey about agriculture in your villages. The information we collect will help us to learn more about the current social and economic status of farmers in your villages. Your household was randomly selected for the survey. I would like to ask you some questions about your household and your agricultural activities in particular. The questions usually take about 2.5 hours. All of the answers you give will be confidential and personally identifiable information will not be shared with anyone other than members of our survey team.

We emphasize that the aim of this research is to LEARN, and so please do not feel you must provide only positive responses, or feel that you must adjust your answers away from the truth in any way.

You don't have to be in the survey, but we hope you will agree to answer the questions since your views are important. However, please also do not also feel obliged to answer any question for which you do not feel comfortable and I will go on to the next question or you can stop the interview at any time.

Do you have any questions?

Do you agree to participate in the survey?

SINGLE-SELECT

consent

01 Yes00 No

I Do not record an answer to this question until you have conveyed the introductory statement to the respondent.

E v1_dw1av1==1 || v2_dw1av1==1 || v3_dw1av1==1

ENUMERATOR: RECORD START DATE & TIME FOR QUESTIONNAIRE

DATE: CURRENT TIME

start_visitdate

DD/MM/YYYY

STATIC TEXT

E consent==1

In the following Interview, I often will ask you about events that happened over the last 12 months. When I refer to the last 12 months, I am referring to the period from February 2017 to the current date.

B. HOUSEHOLD ROSTER

STATIC TEXT

ENUMERATOR: PLEASE READ OUT:

STATIC TEXT

I WOULD LIKE TO MAKE A COMPLETE LIST OF ALL INDIVIDUALS WHO ARE PART OF THIS HOUSEHOLD.

FOR US, A HOUSEHOLD CONSISTS OF ONE OR MORE PERSONS LIVING TOGETHER AND SHARING AT LEAST ONE DAILY MEAL. INDIVIDUALS IN A HOUSEHOLD MAY OR MAY NOT BE RELATED, OR MAY BE A COMBINATION OF RELATED AND UNRELATED.

THIS INCLUDES ALL MEMBERS THAT LIVE IN THE SAME DWELLING, SAME COMPOUND OR CLOSE BY. MEMBERS OF A HOUSEHOLD NEED NOT BE RELATED BY BLOOD OR MARRIAGE.

GUESTS/CLAN MEMBERS WHO ARE VISITING TEMPORARILY AND HAVE A HOUSEHOLD ELSEWHERE SHOULD NOT BE INCLUDED.

Please make a complete list of all individuals who are part of this household. I START WITH THE RESPONDENT	LIST B01
Who is the head of your household?	SINGLE-SELECT: LINKED hhhead
Name of respondent	SINGLE-SELECT: LINKED name_respond

B. HOUSEHOLD ROSTER
Roster: HOUSEHOLD
 generated by list question [B01](#)

hhroster

Sex of %rosteritle%	SINGLE-SELECT B02 01 <input type="radio"/> Male 02 <input type="radio"/> Female
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What is %roster%¹'s relationship to the head of household?

- SINGLE-SELECT B03
- 002 SPOUSE
 - 003 CHILD
 - 004 GRANDCHILD
 - 005 NEICE/NEPHEW
 - 006 FATHER/MOTHER
 - 007 SISTER/BROTHER
 - 008 SON/DAUGHTER-IN-LAW
 - 009 BROTHER/SISTER-IN-LAW
 - 010 GRANDFATHER/MOTHER
 - 011 FATHER/MOTHER-IN-LAW
 - 012 OTHER RELATIVE
 - 013 OTHER NON-RELATIVE
 - 999 OTHER, SPECIFY

E hhhead!=@rowcode
V1 self==2 ? !(hroster.Any(b=>b.@rowcode==hhhead && b.B02!=null && b.B02==B02)) : true
M1 Spouse typically has a different gender than his/her spouse (the head of household). Please confirm.
V2 self==5? (hroster.Count(x=>x.B03==6)<=2) : true
M2 Household head has at most 1 father and mother.

Please specify the relationship of %roster%¹ to the head of household?

TEXT B03oth

E B03==999
V1 self.Length>=2
M1 Error! Description is too short.

.....

How old is %roster%¹? (YEARS)

NUMERIC: DECIMAL B04a

I @@IN COMPLETED YEARS. IF LESS THAN ONE YEAR IN SERT ZERO.
V1 B04a.InRange(0,120)
M1 Reported age is unlikely. Please confirm.
V2 (B03 == 2 && self >= 14) || B03 != 2
M2 Person (%roster%) seems to be too young to be married (%B04a%). Check or confirm.
V3 hhhead==@rowcode ? B04a >= 12 : true
M3 Household head is supposed to be an adult at least 12 years old, yet %roster% is %B04a%. Check or confirm
V4 (B03 == 6 && B04a > 24) || B03 != 6
M4 Person (%roster%) seems to young to be the parent of household head. Check or confirm.
V5 (B03 == 10 && B04a > 36) || B03 != 10
M5 Grandparent should be older than 36. Please check or confirm.

How old is %roster%¹? (MONTHS)

NUMERIC: INTEGER B04b

I RECORD THE NUMBER OF FULL MONTHS OF THE INCOMPLETE YEAR.
E B04a==0
V1 B04a.InRange(0,11)
M1 Reported number of months is unlikely. Please confirm.

What is %roster%title%'s current marital status?

E B04a>=15

SINGLE-SELECT

B07

- 01 MONOGAMOUS MARRIED OR NON-FORMAL UNION
- 02 POLYGAMOUS MARRIED OR NON-FORMAL UNION
- 03 SEPARATED
- 04 DIVORCED
- 05 WIDOW OR WIDOWER
- 06 NEVER MARRIED

What is %roster%title%'s main religion?

E hhhead==@rowcode

SINGLE-SELECT

B08

- 001 NONE
- 002 TRADITIONAL
- 003 CHRISTIANITY
- 004 ISLAM
- 999 OTHER,SPECIFY

Please specify the main religion

E B08==999

TEXT

B08oth

.....

Is %roster%title% able to speak the following languages?

E hhhead==@rowcode || B03==2

V1 self.Missing.Length==0

M1 Respondent has not yet answered all questions. Please continue until all questions have been asked.

MULTI-SELECT: YES/NO

B10

- 01 / Kinyarwanda
- 02 / English
- 03 / French

Is %roster%title% able to read and write in the following languages?

E hhhead==@rowcode || B03==2

V1 self.Missing.Length==0

M1 Respondent has not yet answered all questions. Please continue until all questions have been asked.

MULTI-SELECT: YES/NO

B11

- 01 / Kinyarwanda
- 02 / English
- 03 / French

Has %roster%title% ever attended school?

E B04a>5

SINGLE-SELECT

B12

- 01 Yes
- 02 No

What was the reason that %rosteritle% never attended school?

E B12==2 && B04a>5

- SINGLE-SELECT B12a
- 001 STILL TOO YOUNG TO ATTEND SCHOOL
 - 002 NO MONEY FOR FEES, UNIFORM
 - 003 POOR QUALITY OF SCHOOLS
 - 004 ILLNESS OR DISABILITY
 - 005 NOT INTERESTED, LAZY
 - 006 PARENTS DID NOT LET ME
 - 007 HAD TO WORK OR HELP AT HOME
 - 008 SCHOOL TOO FAR FROM HOME
 - 009 SCHOOL CONFLICT WITH BELIEFS
 - 999 OTHER (SPECIFY)

Specify the reasons respondent never attended school.

E B12a==999
 V1 self.Length>2
 M1 Error! Description is too short.

TEXT B12aoth

How many years of schooling has %rosteritle% completed?

E B12==1 && B04a>5
 V1 self<B04a
 M1 Years of schooling should be less than %rosteritle%' age

NUMERIC: INTEGER B13

What is the highest educational qualification %rosteritle% has acquired?

E B12==1 && B04a>5

- SINGLE-SELECT B14
- 001 NONE
 - 002 PARTIAL PRIMARY
 - 003 PRIMARY
 - 004 PARTIAL SECONDARY
 - 005 SECONDARY
 - 006 PARTIAL TERTIARY/
Diploma
 - 007 TERTIARY
 - 008 POST GRADUATE
 - 999 Other, specify

Please specify

E B14==999
 V1 self.Length>2
 M1 Error! Description is too short.

TEXT B14oth

<p>Is %rostertitle% currently attending school, or, if school is not now in session, does %rostertitle% plan to attend next session?</p> <p>E B12==1 && B04a>5</p>	<p>SINGLE-SELECT B15</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>In the <u>last 12 months</u>, did %rostertitle% work on household agricultural activities (farming or livestock)?</p> <p>E B04a>5</p>	<p>SINGLE-SELECT B16a</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>In the <u>last 12 months</u>, did %rostertitle% help in any kind of non-farm business run by this household?</p> <p>E B04a>5</p>	<p>SINGLE-SELECT B16c</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>In the <u>last 12 months</u>, did %rostertitle% work as an employee for a wage, salary, commission, or any payment in kind, including paid apprenticeship, domestic work, or paid farm work, excluding casual short-term work or work for a social safety net program?</p> <p>I Social safety nets are programs, typically run by governments, to prevent poverty. Examples of social safety net programs in Rwanda include cash transfers, public works employment, and microcredit.</p> <p>E B04a>=15</p>	<p>SINGLE-SELECT B16d</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>In the <u>last 12 months</u>, did %rostertitle% engage in casual short-term work, even if only for one hour, excluding work for a social safety net program?</p> <p>E B04a>=15</p>	<p>SINGLE-SELECT B16e</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>For how many months during the <u>past 12 months</u> did %rostertitle% live outside the household?</p> <p>E B04a>=15</p> <p>V1 self.InRange(0,12)</p> <p>M1 Reported number of months should be at most 12 months</p>	<p>NUMERIC: INTEGER B05</p> <p>-----</p>
<p>Did %rostertitle% need to leave the village to gain extra income in <u>the past 12 months</u>?</p> <p>E B04a>=15</p>	<p>SINGLE-SELECT B17a</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>

How many months did %roster% need to leave the village to gain extra income in the past 12 months ?

NUMERIC: INTEGER

B17b

E B17a==1

V1 self.InRange(0,12)

M1 Reported number of months should be at most 12 months. Please confirm.

On average, how many days did %roster% need to leave the village to gain extra income in each month in the past 12 months ?

NUMERIC: INTEGER

B17c

E B17a==1

V1 self.InRange(0,31)

M1 Reported number of days should be at most 31 days. Please confirm.

C. EMPLOYMENT

C. EMPLOYMENT

Roster: EMPLOYMENT

generated by list question [B01](#)

Employment

E B04a>5 && (B16d==1 || B16e==1)

C. EMPLOYMENT / EMPLOYMENT

PRIMARY WAGE JOB

E B16d==1

Name of %roster%'s main wage job over the last 12 months

TEXT

JOB_NAME_1

.....

Does this MAIN WAGE JOB of %roster% have a written contract?

SINGLE-SELECT

C1

01 Yes

00 No

<p>Type of employment of your main wage job</p>	<p>SINGLE-SELECT C3</p> <p>001 <input type="radio"/> AGRICULTURAL / FORESTRY / FISHERY WORKERS</p> <p>002 <input type="radio"/> GUARD / PRIVATE HOUSEHOLD SERVICES</p> <p>003 <input type="radio"/> SERVICE / SALES</p> <p>004 <input type="radio"/> CONSTRUCTION / TRADE</p> <p>005 <input type="radio"/> DRIVER / TRANSPORTATION</p> <p>006 <input type="radio"/> TEACHER</p> <p>007 <input type="radio"/> OTHER PROFESSIONAL / TECHNICIAN</p> <p>008 <input type="radio"/> MANAGER</p> <p>009 <input type="radio"/> CLERK / SECRETARY</p> <p>999 <input type="radio"/> OTHER, SPECIFY</p>
<p>Please specify</p> <p>E C3==999</p> <p>V1 self.Length>2</p> <p>M1 Error! Description is too short.</p>	<p>TEXT C30th</p> <p>.....</p>
<p>Type of employer of your main wage job</p>	<p>SINGLE-SELECT C4</p> <p>001 <input type="radio"/> GOVERNMENT</p> <p>003 <input type="radio"/> NON-GOV'T ORGANIZATION</p> <p>004 <input type="radio"/> PRIVATE BUSINESS</p> <p>005 <input type="radio"/> PRIVATE HOUSEHOLD/FARM</p> <p>006 <input type="radio"/> OWN BUSINESS</p> <p>007 <input type="radio"/> OWN HOUSEHOLD/FARM</p> <p>999 <input type="radio"/> OTHER, SPECIFY</p>
<p>Please specify</p> <p>E C4==999</p> <p>V1 self.Length>2</p> <p>M1 Error! Description is too short.</p>	<p>TEXT C40th</p> <p>.....</p>
<p>In how many months over <u>the last 12 months</u> did %rosteritle% work as %JOB_NAME_1%?</p> <p>I NUMBER OF MONTHS</p> <p>V1 self.InRange(0,12)</p> <p>M1 Reported number of months should be at most 12 months. Please confirm.</p>	<p>NUMERIC: INTEGER C5</p> <p>-----</p>

During these months, approximately how many days per month did %rosteritle% work as %JOB_NAME_1%?

NUMERIC: INTEGER

C6

I NUMBER OF DAYS / MONTH

V1 self.InRange(0,31)

M1 Reported number of days should be at most 31 days. Please confirm.

What was %rosteritle%'s average payment during the most recent pay period as %JOB_NAME_1%?

NUMERIC: INTEGER

C7

I VALUE (RWF)

UNIT

SINGLE-SELECT

C7unit

E C7>0

- 01 PER DAY
- 02 PER WEEK
- 03 PER MONTH

At any time over the last 12 months, was %rosteritle% employed for a second wage job?

SINGLE-SELECT

wage2_Skip

- 01 YES
- 02 NO

C. EMPLOYMENT / EMPLOYMENT
SECONDARY WAGE JOB

E wage2_Skip==1

Name of %rosteritle%'s second wage job over the last 12 months

TEXT

JOB_NAME_2

.....

I @@IF MORE THAN ONE, FOCUS ON THE MOST IMPORTANT SECONDARY WAGE JOB

Type of employment of your second wage job

- SINGLE-SELECT c10
- 001 AGRICULTURAL / FORESTRY / FISHERY WORKERS
 - 002 GUARD / PRIVATE HOUSEHOLD SERVICES
 - 003 SERVICE / SALES
 - 004 CONSTRUCTION / TRADES
 - 005 DRIVER / TRANSPORTATION
 - 006 TEACHER
 - 007 OTHER PROFESSIONAL / TECHNICIAN
 - 008 MANAGER
 - 009 CLERK / SECRETARY
 - 999 OTHER, SPECIFY

Please specify

TEXT c10oth

E C10==999
 V1 self.Length>5
 M1 Error! Description is too short.

.....

Type of employer of your second wage job

- SINGLE-SELECT c11
- 001 GOVERNMENT
 - 003 NON-GOV'T ORGANIZATION
 - 004 PRIVATE BUSINESS
 - 005 PRIVATE HOUSEHOLD/FARM
 - 006 OWN BUSINESS
 - 007 OWN HOUSEHOLD/FARM
 - 999 OTHER, SPECIFY

Please specify

TEXT c11oth

E C11==999
 V1 self.Length>2
 M1 Error! Description is too short.

.....

In how many months over the last 12 months did %rostertitle% work as %JOB_NAME_2%?

NUMERIC: INTEGER c12

I NUMBER OF MONTHS
 V1 self.InRange(0,12)
 M1 Reported number of months should be at most 12 months. Please confirm.

During these months, approximately how many days per month did %rosteritle% work as %JOB_NAME_2%?

NUMERIC: INTEGER

C13

I NUMBER OF DAYS / MONTH

V1 self.InRange(0,31)

M1 Reported number of days should be at most 31 days. Please confirm.

What was %rosteritle%'s average payment during the most recent pay period as %JOB_NAME_2%?

NUMERIC: INTEGER

C14

I VALUE (RWF)

UNIT

SINGLE-SELECT

C14unit

E C14>0

- 01 PER DAY
 02 PER WEEK
 03 PER MONTH

C. EMPLOYMENT / EMPLOYMENT

SHORT TERM / CASUAL WORK

E B16e==1

In how many months over the last 12 months did %rosteritle% work at casual / short-term labor?

NUMERIC: INTEGER

C16

V1 C16.InRange(0,12)

M1 Reported number of months should be at most 12 months. Please confirm.

During these months, approximately how many days per month did %rosteritle% work at casual / short-term labor?

NUMERIC: INTEGER

C17

I NUMBER OF DAYS / MONTH

V1 C17.InRange(0,31)

M1 Reported number of days should be at most 31 days. Please confirm.

What was the average wage, in cash or in kind, that %rosteritle% received for the days worked at casual / short-term labor over the last 12 months ?

NUMERIC: INTEGER

C18

I VALUE (RWF)

<p>UNIT</p> <p>E C18>0</p>	<p>SINGLE-SELECT c18unit</p> <p>01 <input type="radio"/> PER HOUR</p> <p>02 <input type="radio"/> PER DAY</p> <p>03 <input type="radio"/> PER WEEK</p>
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D. ENTERPRISES

<p>In the <u>last 12 months</u>, did you or any other household members run a non-farm business of any size for yourself or the household?</p>	<p>SINGLE-SELECT B16b</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>Please list unique names of all enterprises that the household or household members operated during <u>the last 12 months</u></p> <p>I Give name for each enterprise</p> <p>E B16b==1</p>	<p>LIST ENTERPRISE_NAME</p> <p>.....</p>

D. ENTERPRISES

Roster: ENTERPRISE

generated by list question [ENTERPRISE_NAME](#)

Enterprise_Type

What is %roster% title's type of business?

I WHERE MULTIPLE TYPES OF GOOD OR SERVICE ARE PROVIDED, SELECT THE MAIN ONE. AGRICULTURAL / LIVESTOCK PRODUCTION SHOULD BE CAPTURED IN THE RELEVANT MODULES

- SINGLE-SELECT D1
- 001 AGRO-PROCESSING (CROP / LIVESTOCK)
 - 002 PROCESSING FISHERY PRODUCTS
 - 003 COMMERCIAL FISHING
 - 004 MANUFACTURING
 - 005 REPAIR / SERVICE PROVIDER
 - 006 CONSTRUCTION
 - 007 RETAIL
 - 008 TRADE OF AGRICULTURAL PRODUCTS
 - 009 TRADE OF NON-AGRICULTURAL PRODUCTS
 - 010 RESTAURANT / BAR / HOSPITALITY
 - 011 TRANSPORTATION
 - 012 EDUCATION
 - 013 HEALTH CARE
 - 014 PROFESSIONAL / ADMINISTRATIVE
 - 999 OTHER, SPECIFY

Please specify %roster% title's type of business

E D1==999

TEXT D1oth

Who in the household manages %roster% title, or is most familiar with it?

I SELECT UP TO TWO FROM HOUSEHOLD LIST

MULTI-SELECT: LINKED D2

When was %roster% title first started?

I Year of starting the business

V1 self.InRange(1950,2018)

M1 This seems unlikely. Please check.

NUMERIC: INTEGER D5

How many individuals outside of the household are co-managers of %roster% title?

V1 self.InRange(0,20)

M1 This seems unlikely. Please check.

NUMERIC: INTEGER D3a

How many individuals outside of the household worked in %rostertitle% in the last month of operation?

NUMERIC: INTEGER

D8a

V1 self.InRange(0,20)

M1 This seems unlikely. Please check.

What share of the profits from %rostertitle% are kept by your household rather than other managers?

SINGLE-SELECT

D4

- 01 ALMOST NONE
 02 ABOUT 25 %
 03 ABOUT HALF
 04 ABOUT 75%
 05 ALMOST ALL

E D3a>0

Which household members worked in %rostertitle% during the last 12 months?

MULTI-SELECT: LINKED

D6

In the last 12 months, how many months was %rostertitle% operating?

NUMERIC: INTEGER

D9

V1 self.InRange(0,12)

M1 Reported number of months should be at most 12 months. Please confirm.

During the last month of operation, what was the total revenue for %rostertitle%?

NUMERIC: INTEGER

D10

I Value (RWF) IF NONE, RECORD ZERO

During the last month of operation, what was the value of total costs paid for %rostertitle%?

NUMERIC: INTEGER

D11

I Value (RWF) IF NONE, RECORD ZERO Cost can include inventory, wages, equipment, transport, etc.

During the last 12 months of operation, what was the total revenue for %rostertitle%?

NUMERIC: INTEGER

D12

I Value (RWF) IF NONE, RECORD ZERO

V1 self>=D10

M1 This seems unlikely. Please check.

During the last 12 months of operation, what was the value of total costs paid for %rostertitle%?

NUMERIC: INTEGER

D13

I Value (RWF) IF NONE, RECORD ZERO Cost can include inventory, wages, equipment, transport, etc.

V1 self>=D11

M1 This seems unlikely. Please check.

F. HORTICULTURE

STATIC TEXT

This section should be asked to the person in your list.

<p>Are you a member in any microfinance institution (e.g., SACCO)?</p>	<p>SINGLE-SELECT Hort1 01 <input type="radio"/> YES 02 <input type="radio"/> NO</p>
<p>How long (have you been/were you) a member in this institution?</p> <p>I Number of Years Insert 0 if they have been member for less than a year V1 self.InRange(0,100) M1 This seems unlikely. Please check.</p>	<p>NUMERIC: INTEGER Hort2a -----</p>
<p>Number of months</p> <p>E Hort2a==0 V1 self.InRange(0,11) M1 This is unlikely. Please check!</p>	<p>NUMERIC: INTEGER Hort2b -----</p>
<p>How much did you pay to become a member this institution?</p> <p>I VALUE (RWF)</p>	<p>NUMERIC: INTEGER Hort3 -----</p>
<p>How much do/did you have to pay as annual fees?</p> <p>I VALUE (RWF)</p>	<p>NUMERIC: INTEGER Hort4 -----</p>
<p>Do you consider yourself active member in this institution during <u>the past 12 months</u>?</p> <p>E Hort1==1</p>	<p>SINGLE-SELECT Hort5 01 <input type="radio"/> YES 02 <input type="radio"/> NO</p>
<p>Do you have any intention to stop your membership with this institution in <u>the next 12 months</u>?</p> <p>E Hort1==1</p>	<p>SINGLE-SELECT Hort7 01 <input type="radio"/> YES 02 <input type="radio"/> NO</p>
<p>If yes, what is the main reason?</p> <p>E Hort7==1</p>	<p>TEXT Hort8 -----</p>

STATIC TEXT

[ENUMERATOR: CONVEY THE FOLLOWING STATEMENT TO THE RESPONDENT:]

STATIC TEXT

Now we would like to talk about the matching grant application that you submitted to NAEB to get the matching grant that consists 50% loan and 50% grant

For which horticulture crop your business proposal was written?

I Please choose the main crop

SINGLE-SELECT

Hort10

- 001 Tamarillo
 002 Onions
 003 Tomato
 004 Pineapple
 005 Apple Banana
 006 Passion Fruits
 007 Cabbage
 008 Carrots
 009 Hot Peppers
 010 Eggplants
 011 Flowers
 012 Avocado
 013 French Beans
 014 Mango
 015 Citrus
 016 Essential Oils Crops

[And 1 other symbols \[4\]](#)

Please specify the horticulture crop

E Hort10==999

TEXT

Hort10oth

.....

For how long have you been cultivating this crop?

I Number of Years Insert 0 if they have been member for less than a year

V1 self.InRange(0,100)

M1 This seems unlikely. Please check.

NUMERIC: INTEGER

Hort11

Have you ever attended any farmer field school or receive any extension service for this crop?

SINGLE-SELECT

Hort12

- 01 YES
 02 NO

Are you member in a cooperative for this crop?

SINGLE-SELECT

Hort13

- 01 YES
 02 NO

For how long have you been member in this cooperative?

NUMERIC: INTEGER

Hort14

I Years Insert 0 if less than one year

E Hort13==1

V1 self.InRange(0,100)

M1 This seems unlikely. Please check.

Did you get any support on your business proposal from your microfinance institution/cooperative?

SINGLE-SELECT

Hort15

01 YES

02 NO

Did you get any support on your business proposal from anyone else?

SINGLE-SELECT

Hort16a

01 YES

02 NO

If yes, please specify

SINGLE-SELECT

Hort16b

E Hort16a==1

00 Community Leader

01 Friend

02 Relative

03 Consultant

04 Other Institutions

Was your business idea selected to get an endorsement letter?

SINGLE-SELECT

Hort17

01 YES

02 NO

I Endorsement letter is the letter that was given by NAEB to farmers who got selected to apply for a loan from any financial institution before getting the matching grant.

F. HORTICULTURE

SELECTED APPLICANTS

E Hort17==1

After getting the endorsement letter, did you apply to any financial institution to get a loan?

SINGLE-SELECT

Hort_s18

01 YES

02 NO

Did you get any support on your loan application from your financial institution?

SINGLE-SELECT

Hort_s19

01 YES

02 NO

E Hort_s18==1

Did you get any support on your loan application from anyone else?

SINGLE-SELECT

Hort_s20a

01 YES

02 NO

E Hort_s18==1

<p>If yes, please specify</p> <p>E Hort_s20a==1</p>	<p>SINGLE-SELECT Hort_s20b</p> <p>00 <input type="radio"/> Community Leader</p> <p>01 <input type="radio"/> Friend</p> <p>02 <input type="radio"/> Relative</p> <p>03 <input type="radio"/> Consultant</p> <p>04 <input type="radio"/> Other Institutions</p>
<p>How much time did you take to submit your loan application to a financial institution after getting the endorsment letter?</p> <p>E Hort_s18==1</p>	<p>NUMERIC: INTEGER Hort_s21a</p> <p>-----</p>
<p>Time unit</p> <p>E Hort_s18==1</p>	<p>SINGLE-SELECT Hort_s21b</p> <p>01 <input type="radio"/> Days</p> <p>02 <input type="radio"/> Weeks</p> <p>03 <input type="radio"/> Months</p>
<p>How much time did the financial institution take to give you a reply whether you will get the loan?</p> <p>E Hort_s18==1</p>	<p>NUMERIC: INTEGER Hort_s22a</p> <p>-----</p>
<p>Time unit</p> <p>E Hort_s18==1</p>	<p>SINGLE-SELECT Hort_s22b</p> <p>01 <input type="radio"/> Days</p> <p>02 <input type="radio"/> Weeks</p> <p>03 <input type="radio"/> Months</p>
<p>Was your application accepted to get this loan?</p> <p>E Hort_s18==1</p>	<p>SINGLE-SELECT Hort_s23</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>If no, what was the main reason?</p> <p>E Hort_s23==2</p>	<p>SINGLE-SELECT Hort_s24</p> <p>001 <input type="radio"/> NO ENOUGH COLLATERAL</p> <p>002 <input type="radio"/> APPLICATION WAS DEEMED INSUFFICIENT / UNSUITABLE</p> <p>999 <input type="radio"/> OTHER, SPECIFY</p>
<p>Please specify the main reason</p> <p>E Hort_s24==999</p>	<p>TEXT Hort_s24oth</p> <p>.....</p>
<p>What was the value of your loan?</p> <p>I VALUE (RWF)</p> <p>E Hort_s23==1</p>	<p>NUMERIC: INTEGER Hort_s25</p> <p>-----</p>

<p>Did you (fully/ 50 percent) pay your loan back?</p> <p>E Hort_s23==1 && Hort_s25>0</p>	<p>SINGLE-SELECT Hort_s26</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>If no, what was the main challenge?</p> <p>E Hort_s26==2</p>	<p>LIST Hort_s27</p> <p>.....</p>
<p>Did you get the matching grant after getting the loan approval?</p> <p>E Hort_s23==1</p>	<p>SINGLE-SELECT Hort_s28</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>What was the main reason behind not getting the matching grant?</p> <p>E Hort_s28==2</p>	<p>SINGLE-SELECT Hort_s29</p> <p>001 <input type="radio"/> Being late in getting a loan approval from a financial institution</p> <p>002 <input type="radio"/> Lack of funding from BDF</p> <p>999 <input type="radio"/> Others, specify</p>
<p>Please specify the main reason</p> <p>E Hort_s29==999</p>	<p>TEXT Hort_s29oth</p> <p>.....</p>
<p>Do you have any intention to expand your current horticulture business within <u>the next 12 months</u>?</p> <p>E Hort_s23==1</p>	<p>SINGLE-SELECT Hort_s30</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>

F. HORTICULTURE
REJECTED APPLICANTS

E Hort17==2

<p>Did you pursue your business idea?</p>	<p>SINGLE-SELECT Hort_r18</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>How did you finance your business idea?</p> <p>E Hort_r18==1</p>	<p>SINGLE-SELECT Hort_r19</p> <p>001 <input type="radio"/> Personal savings</p> <p>002 <input type="radio"/> Loan from your SACCO</p> <p>003 <input type="radio"/> Loan from another financial institution</p> <p>004 <input type="radio"/> Partnership with other farmer(s)</p> <p>999 <input type="radio"/> Others, specify</p>

Please specify the main source of finance	TEXT	Hort_r19oth
E Hort_r19==999	.....
Did you get any support on your loan application from your financial institution/ cooperative?	SINGLE-SELECT	Hort_r20
E Hort_r19==2 || Hort_r19==3	01 <input type="radio"/> YES 02 <input type="radio"/> NO	
Did you get any support on your loan application from anyone else?	SINGLE-SELECT	Hort_r21a
E Hort_r19==2 || Hort_r19==3	01 <input type="radio"/> YES 02 <input type="radio"/> NO	
If yes, please specify	SINGLE-SELECT	Hort_r21b
E Hort_r21a==1	00 <input type="radio"/> Community Leader 01 <input type="radio"/> Friend 02 <input type="radio"/> Relative 03 <input type="radio"/> Consultant 04 <input type="radio"/> Other Institutions	
Do you have any intention to expand your current horticulture business within <u>the next 12 months</u> ?	SINGLE-SELECT	Hort_r22
E Hort_r22==1	01 <input type="radio"/> YES 02 <input type="radio"/> NO	

G. PARCEL ROSTER

STATIC TEXT

ENUMERATOR: PLEASE HAND OUT THE SKETCH TO THE RESPONDENT.

STATIC TEXT

Please sketch out all of the land parcels that the household had access to over the past 12 months, including grazing land, regardless of whether you are the owner, and regardless of whether you cultivated the land during this period.

Please illustrate their relative size, and where they are relative to your home.

Note that a PARCEL is a contiguous piece of land and should not be split by a path of more than one meter in width.

ENUMERATOR: TAKE A PICTURE OF THE PARCEL SKETCH

PICTURE

parcel sketch

How many parcels did the household cultivate on or have access to, even if they did not cultivate in the last 12 months?

NUMERIC: INTEGER

A_1

I A PARCEL IS A CONTINUOUS PIECE OF LAND THAT IS NOT DIVIDED BY A PATH GREATER THAN 1 METER WIDE. PLEASE CHECK IF THE NUMBER OF PARCELS REPORTED IS IN LINE WITH THE SKETCH DRAWN BY THE RESPONDENT.

V1 self.InRange(0,20)

M1 This is unlikely. Please check!

List all parcels using unique names

LIST

A_2

I USE A SHORT DESCRIPTIVE PHRASE THAT WILL HELP THE RESPONDENT REMEMBER THE PARCEL BEING DISCUSSED.

.....

E IsAnswered(A_1) && A_1>0

V1 A_1>A_2.Length ? false : true

M1 RESPONDENT STATED TO CULTIVATE %A_1% PARCELS. HOWEVER YOU HAVE LISTED LESS THAN %A_1% PARCELS. PLEASE CONTINUE UNTIL NUMBER OF PLOTS IS REACHED.

V2 A_1<A_2.Length ? false : true

M2 RESPONDENT STATED TO CULTIVATE %A_1% PARCELS. HOWEVER YOU HAVE LISTED MORE THAN %A_1% PARCELS. PLEASE CHECK.

V3 A_2.Select(x=>x.Item2.ToUpper()).Distinct().Count()==A_2.Count()

M3 USE UNIQUE PARCEL DESCRIPTIONS

On any of those parcels, have you cultivated any single season crops during...

MULTI-SELECT: YES/NO

seasons_a

- 01 / SEASON A (September 2017-February 2018)
- 02 / SEASON B (March –June 2017)
- 03 / SEASON C (July-September 2017)

V1 self.Missing.Length==0

M1 Respondent has not yet answered all questions. Please continue until all questions have been asked.

Of these planting seasons, which season was your main cropping season?

SINGLE-SELECT

seasons_b

- 01 SEASON A (September 2017-February 2018)
- 02 SEASON B (March –June 2017)
- 03 SEASON C (July-September 2017)

F seasons_a.Yes.Contains(@optioncode)

E seasons_a.Yes.Length>1

G. PARCEL ROSTER

Roster: PARCEL

generated by list question [A_2](#)

Parcel

What is the MEASUREMENT UNIT of the area of the %rostertitle% parcel?

SINGLE-SELECT

A3_b

- 01 HECTARE
 02 ACRE
 03 SQUARE METER
 04 Meters/Steps

What is the area of the %rostertitle% parcel?

NUMERIC: DECIMAL

A3_a

E A3_b<4

V1 self>0

M1 A parcel can not have the size of zero. Please check.

What is the width of the %rostertitle% parcel?

NUMERIC: DECIMAL

A3_a1

E A3_b==4

V1 self>0

M1 A parcel can not have the width of zero. Please check.

What is the length of the %rostertitle% parcel?

NUMERIC: DECIMAL

A3_a2

E A3_b==4

V1 self>0

M1 A parcel can not have the length of zero. Please check.

VARIABLE

$A3_b.InList(1,2,3) ? A3_a*AreaConv[(int) A3_b].factor : A3_a1*A3_a2*AreaConv[(int)A3_b].factor$

DOUBLE

parcel_area

How long does it take to travel to the %rostertitle%?

NUMERIC: INTEGER

B_3a_s1

I FOR ONE-WAY TRIP BY USUAL METHOD OF TRANSPORT

UNIT

SINGLE-SELECT

B_3b_s1

E B_3a_s1>0

- 01 MINUTES
 02 HOURS

How did your household acquire the %rostertitle% parcel?

SINGLE-SELECT

A_4

- 001 INHERITED
 002 PURCHASED
 003 GRANTED / ALLOCATED BY GOVERNMENT
 004 GRANTED / ALLOCATED BY LOCAL LEADER
 005 RENTED/LEASED
 006 SHARE-CROPPED
 007 BORROWED FOR FREE
 999 OTHER, SPECIFY

<p>Specify Other</p> <p>E A_4==999</p>	<p>TEXT A_4oth</p> <p>.....</p>
<p>What document do you have to show how you acquired the %rosteritle% parcel?</p>	<p>SINGLE-SELECT A_5</p> <p>001 <input type="radio"/> NONE</p> <p>002 <input type="radio"/> TITLE / DEED ISSUED BY GOVERNMENT</p> <p>003 <input type="radio"/> CERTIFICATE ISSUED BY NON-GOVERNMENT</p> <p>004 <input type="radio"/> RENTAL AGREEMENT</p> <p>999 <input type="radio"/> OTHER, SPECIFY</p>
<p>Specify Other</p> <p>E A_5==999</p>	<p>TEXT A_5oth</p> <p>.....</p>
<p>How much in total did you pay to rent the %rosteritle% parcel in <u>the last 12 months</u>?</p> <p>I VALUE IN (RWF) ESTIMATE IF IN KIND</p> <p>E A_5==4</p>	<p>NUMERIC: INTEGER A_8_a</p> <p>-----</p>
<p>Who in the household owns the %rosteritle% parcel?</p> <p>I SELECT UP TO TWO FROM HOUSEHOLD LIST</p> <p>E A_4.InList(1,2,3,4)</p>	<p>MULTI-SELECT: LINKED A_9</p>

STATIC TEXT

Plot Roster By Season

<p>For the %rosteritle% parcel, how many plots with unique land use did the household have in [SEASON A] <u>between September 2017-February 2018</u>?</p> <p>I A PLOT IS A CONTINUOUS PIECE OF LAND ON WHICH A UNIQUE USE IS MADE. IF CULTIVATED, A PLOT HAS A UNIQUE CROP OR MIXTURE OF CROPS AND IS GROWN UNDER A UNIFORM, CONSISTENT CROP MANAGEMENT SYSTEM</p> <p>E seasons_a.Yes.Contains(1)</p>	<p>NUMERIC: INTEGER A_10</p> <p>-----</p>
---	--

Plot name for each plot on the %rostertitle% parcel with unique land use in [SEASON A] between September 2017-February 2018

LIST PLOT_NAME_1

.....

I USE A SHORT DESCRIPTIVE PHRASE THAT WILL HELP THE RESPONDENT REMEMBER THE PLOT BEING DISCUSSED.

E A_10>0

V1 A_10>PLOT_NAME_1.Length ? false : true

M1 RESPONDENT STATED TO HAVE ACCESS TO %A_10% PLOTS. HOWEVER YOU HAVE LISTED LESS THAN %A_10% PLOTS. PLEASE CONTINUE UNTIL NUMBER OF PLOTS IS REACHED.

V2 A_10<PLOT_NAME_1.Length ? false : true

M2 RESPONDENT STATED TO HAVE ACCESS TO %A_10% PLOTS. HOWEVER YOU HAVE LISTED MORE THAN %A_10% PLOTS. PLEASE CHECK.

V3 PLOT_NAME_1.Select(x=>x.Item2.ToUpper()).Distinct().Count()==PLOT_NAME_1.Count()

M3 USE UNIQUE PLOT DESCRIPTIONS

For the %rostertitle% parcel, how many plots with unique land use did the household have in [SEASON B] between March-June 2017 ?

NUMERIC: INTEGER A_11

I A PLOT IS A CONTINUOUS PIECE OF LAND ON WHICH A UNIQUE USE IS MADE. IF CULTIVATED, A PLOT HAS A UNIQUE CROP OR MIXTURE OF CROPS AND IS GROWN UNDER A UNIFORM, CONSISTENT CROP MANAGEMENT SYSTEM

E seasons_a.Yes.Contains(2)

Plot name for each plot on the %rostertitle% parcel with unique land use in [SEASON B] between March-June 2017

LIST PLOT_NAME_2

.....

I USE A SHORT DESCRIPTIVE PHRASE THAT WILL HELP THE RESPONDENT REMEMBER THE PLOT BEING DISCUSSED.

E A_11>0

V1 A_11>PLOT_NAME_2.Length ? false : true

M1 RESPONDENT STATED TO HAVE ACCESS TO %A_11% PLOTS. HOWEVER YOU HAVE LISTED LESS THAN %A_11% PLOTS. PLEASE CONTINUE UNTIL NUMBER OF PLOTS IS REACHED.

V2 A_11<PLOT_NAME_2.Length ? false : true

M2 RESPONDENT STATED TO HAVE ACCESS TO %A_11% PLOTS. HOWEVER YOU HAVE LISTED MORE THAN %A_11% PLOTS. PLEASE CHECK.

V3 PLOT_NAME_2.Select(x=>x.Item2.ToUpper()).Distinct().Count()==PLOT_NAME_2.Count()

M3 USE UNIQUE PLOT DESCRIPTIONS

For the %rostertitle% parcel, how many plots with unique land use did the household have in [SEASON C] between July-September 2017 ?

NUMERIC: INTEGER

A_12

I A PLOT IS A CONTINUOUS PIECE OF LAND ON WHICH A UNIQUE USE IS MADE. IF CULTIVATED, A PLOT HAS A UNIQUE CROP OR MIXTURE OF CROPS AND IS GROWN UNDER A UNIFORM, CONSISTENT CROP MANAGEMENT SYSTEM

E seasons_a.Yes.Contains(3)

Plot name for each plot on the %rostertitle% parcel with unique land use in [SEASON C] between July-September 2017

LIST

PLOT_NAME_3

.....

I USE A SHORT DESCRIPTIVE PHRASE THAT WILL HELP THE RESPONDENT REMEMBER THE PLOT BEING DISCUSSED.

E A_12>0

V1 A_12>PLOT_NAME_3.Length ? false : true

M1 RESPONDENT STATED TO HAVE ACCESS TO %A_12% PLOTS. HOWEVER YOU HAVE LISTED LESS THAN %A_12% PLOTS. PLEASE CONTINUE UNTIL NUMBER OF PLOTS IS REACHED.

V2 A_12<PLOT_NAME_3.Length ? false : true

M2 RESPONDENT STATED TO HAVE ACCESS TO %A_12% PLOTS. HOWEVER YOU HAVE LISTED MORE THAN %A_12% PLOTS. PLEASE CHECK.

V3 PLOT_NAME_3.Select(x=>x.Item2.ToUpper()).Distinct().Count()==PLOT_NAME_3.Count()

M3 USE UNIQUE PLOT DESCRIPTIONS

STATIC TEXT

Tree/Permanent Crop Plot Roster

For the %rostertitle% parcel, did you harvest any tree / permanent crops such as cassava, tea, coffee, fruit or other tree crops in the last 12 months?

SINGLE-SELECT

A_13

01 YES

02 NO

For the %rostertitle% parcel, from which how many plots did the household harvest tree crops or other multiple-season crops in the last 12 months?

NUMERIC: INTEGER

A_14

I INCLUDE AS A PLOT IF CROP(S) ARE DISBURSED THROUGHOUT THIS PARCEL, OR INTERCROPPED WITH SINGLE-SEASON CROPS.

E A_13==1

V1 self>0

M1 Respondent stated to have harvested any tree crops / multiple-season crops in the last 12 months. Quantity of plots must be larger than zero.

Please list and name all plots on the %rosteritle% parcel that the household harvest tree crops or other multiple-season crops in the last 12 months.

LIST

plotid_tp

.....

I USE A SHORT DESCRIPTIVE PHRASE THAT WILL HELP THE RESPONDENT REMEMBER THE PLOT BEING DISCUSSED.

E A_13==1 && A_14>0

V1 A_14>plotid_tp.Length ? false : true

M1 RESPONDENT STATED TO HAVE ACCESS TO %A_14% PLOTS. HOWEVER YOU HAVE LISTED LESS THAN %A_14% PLOTS. PLEASE CONTINUE UNTIL NUMBER OF PLOTS IS REACHED.

V2 A_14<plotid_tp.Length ? false : true

M2 RESPONDENT STATED TO HAVE ACCESS TO %A_14% PLOTS. HOWEVER YOU HAVE LISTED MORE THAN %A_14% PLOTS. PLEASE CHECK.

H. SEASON A

STATIC TEXT

[ENUMERATOR: CONVEY THE FOLLOWING STATEMENT TO THE RESPONDENT:]

STATIC TEXT

Now I would like to start talking about your plot details and agricultural activities during the [SEASON A] between September 2017-February 2018.

H. SEASON A

Roster: PARCEL

generated by list question [A_2](#)

parcelroster1

E A_10>0

H. SEASON A / PARCEL

Roster: PLOT

generated by list question [PLOT_NAME_1](#)

plotroster_s1

H. SEASON A / PARCEL / PLOT

PLOT DETAILS

What is the MEASUREMENT UNIT of the area of the %rosteritle% plot?

SINGLE-SELECT

B_2b_s1

- 01 HECTARE
 02 ACRE
 03 SQUARE METER
 04 Meters/Steps

What is the area of the %plotroster_s1% plot?

NUMERIC: DECIMAL

B_2a_s1

E B_2b_s1<4

V1 self>0

M1 A plot can not have the size of zero. Please check.

What is the width of the %rostertitle% plot?

NUMERIC: DECIMAL

B_2a1_s1

E B_2b_s1==4

V1 self>0

M1 A plot can not have the width of zero. Please check.

What is the length of the %rostertitle% plot?

NUMERIC: DECIMAL

B_2a2_s1

E B_2b_s1==4

V1 self>0

M1 A plot can not have the length of zero. Please check.

VARIABLE

B_2b_s1.InList(1,2,3) ? B_2a_s1*AreaConv[(int) B_2b_s1].factor : B_2a1_s1*B_2a2_s1*AreaConv[(int)B_2b_s1].factor

DOUBLE

plot_area_s1

What is the color of the soil of the %plotroster_s1% plot?

SINGLE-SELECT

B_4_s1

001 BLACK002 RED003 WHITE / LIGHT004 YELLOW999 OTHER, SPECIFY888 Don't know

Please specify the color of the soil of the %plotroster_s1% plot.

TEXT

B_4oth_s1

E B_4_s1==999

What is the type of texture of the %plotroster_s1% plot?

SINGLE-SELECT

B_5_s1

001 VERY FINE002 FINE003 BETWEEN COARSE AND FINE004 COARSE005 VERY COARSE888 Don't know

What is the extent of erosion on the %plotroster_s1% plot?

SINGLE-SELECT

B_6_s1

01 NONE02 MILD03 MODERATE04 SEVERE

I READ ANSWERS AND SELECT UP TO THREE. IF MORE THAN THREE, SELECT THREE MOST IMPORTANT.

What is the slope of the %plotroster_s1% plot?

I READ ANSWERS

- SINGLE-SELECT B_8_s1
- 01 FLAT
 - 02 MODERATE
 - 03 STEEP/HILLY

Is the %plotroster_s1% plot swamp / wetland?

- SINGLE-SELECT B_9_s1
- 01 YES
 - 02 NO

During SEASON A, how was the %plotroster_s1% plot used?

- SINGLE-SELECT B_10_s1
- 001 CULTIVATED, SINGLE SEASON CROPS
 - 002 CULTIVATED, TREE /PERMANENT CROPS
 - 003 RENTED / SHARECROPPED OUT
 - 004 LOANED OUT FOR FREE
 - 005 GRAZING LAND / PASTURE
 - 006 LEFT FALLOW
 - 007 VIRGIN LAND
 - 999 OTHER, SPECIFY

Please specify how the %plotroster_s1% plot was used

E B_10_s1==999

TEXT B_10oth_s1

.....

How much did you receive from renting out the %plotroster_s1% plot during SEASON A IN CASH and IN KIND?

I VALUE (RWF)
E B_10_s1==3

NUMERIC: INTEGER B_11a_s1

H. SEASON A / PARCEL / PLOT
PRODUCTION INPUTS

E B_10_s1==1

Which crops were planted on plot %plotroster_s1% during SEASON A?

I SELECT UP TO FIVE

MULTI-SELECT C_7_s1

- 00001 Maize
- 00002 Rice
- 00003 Sorghum
- 00004 Millet
- 00005 Wheat
- 00006 Beans
- 00007 Peas
- 00011 Irish Potatoes
- 00012 Sweet Potatoes
- 00013 Yams & Taro
- 00014 Tomatoes
- 00015 Cabbage
- 00016 Onion
- 00017 Carrot
- 00018 Garlic
- 00019 Hot Peppers

[And 9 other symbols \[5\]](#)

Please specify other crops

E C_7_s1.Contains(999)

LIST C_7oth1_s1

.....

Please specify other vegetables

E C_7_s1.Contains(9999)

LIST C_7oth2_s1

.....

Please specify other fruits

E C_7_s1.Contains(99999)

LIST C_7oth3_s1

.....

STATIC TEXT

LAND PREPARATION

How did you prepare the soil for planting on the plot %plotroster_s1% during SEASON A?

MULTI-SELECT C_5_s1

- 001 HAND HOEING
- 002 PLOW - MOLDBOARD
- 003 PLOW - DISC
- 004 ZERO / MINIMUM TILLAGE
- 999 OTHER, SPECIFY

Please specify how you prepared the soil

E C_5_s1.Contains(999)

V1 self.Length>2

M1 Description too short! Please specify more.

TEXT C_5oth_s1

.....

During SEASON A, was the
%plotroster_s1% plot irrigated?

SINGLE-SELECT

C_8_s1

01 YES02 NO

STATIC TEXT

FERTILIZER

Did you use any organic fertilizer on the
%plotroster_s1% plot during SEASON A?

SINGLE-SELECT

C_15_s1

01 YES00 NO

What type of organic fertiliser did you use?
(on %plotroster_s1% in SEASON A)

MULTI-SELECT

C_16_s1

I SELECT ALL THAT APPLIES

E C_15_s1==1

001 ANIMAL MANURE
(FERMENTED)002 FRESH/GREEN MANURE
(NON FERMENTED
MANURE)003 COMPOST999 OTHER ORGANIC
FERTILIZER

Please specify the type of organic fertiliser
was used on plot %plotroster_s1%

TEXT

C_160th_s1

E C_16_s1.Contains(999)

H. SEASON A / PARCEL / PLOT / PRODUCTION INPUTS

Roster: ORGANIC FERTILIZERgenerated by multi-select question [C_16_s1](#)

organfert_s1

How much %rostertitle% did you use? (on
%plotroster_s1% in SEASON A)

NUMERIC: DECIMAL

C_17a_s1

I Quantity

V1 self>0

M1 Respondent stated to have used %rostertitle% during SEASO
N A. Therefore must be larger than zero.**UNIT**

SINGLE-SELECT

C_17b_s1

01 KG02 TON03 GRAM04 BAGS05 LITER06 MILLILITER

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

C_17c_s1

E C_17b_s1==4

Of the %rostertitle% used, how much did you purchase? (on %plotroster_s1% in SEASON A)

QUANTITY IN %C_17b_s1%

E C_17a_s1>0

V1 self<=C_17a_s1

M1 Cannot exceed total used

NUMERIC: DECIMAL

C_17a1_s1

How much did you spend?

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E C_17a1_s1>0

NUMERIC: DECIMAL

C_17f_s1

How much did you spend to transport %rostertitle%?

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E C_17a1_s1>0

NUMERIC: INTEGER

C_17g_s1

Did you use any inorganic fertilizer on the %plotroster_s1% plot during SEASON A?

SINGLE-SELECT

C_18_s1

01 YES

00 NO

What types of inorganic fertiliser did you use? (on %plotroster_s1% in SEASON A)

I SELECT ALL THAT APPLIES

E C_18_s1==1

MULTI-SELECT

C_19_s1

001 NPK

002 UREA

003 DAP

004 LIME

999 OTHER INORGANIC FERTILIZER

Please specify other types of inorganic fertilizer

TEXT

C_19oth_s1

E C_19_s1.Contains(999)

H. SEASON A / PARCEL / PLOT / PRODUCTION INPUTS

Roster: INORGANIC FERTILIZER

generated by multi-select question [C_19_s1](#)

inorgfertilizer_s1

How much %rostertitle% did you use? (on %plotroster_s1% in SEASON A)

I QUANTITY

V1 self>0

M1 Respondent stated to have used %rostertitle% during SEASON A on plot %plotroster_s1%. Therefore quantity must be larger than zero.

NUMERIC: DECIMAL

C_20a_s1

UNIT	SINGLE-SELECT C_20b_s1 01 <input type="radio"/> KG 02 <input type="radio"/> TON 03 <input type="radio"/> GRAM 04 <input type="radio"/> BAGS 05 <input type="radio"/> LITER 06 <input type="radio"/> MILLILITER
------	---

How many KGs does <u>ONE BAG</u> contain?	NUMERIC: DECIMAL C_20c_s1 -----
---	---

E C_20b_s1==4

Of the %rostertitle% used, how much did you purchase? (on %plotroster_s1% in SEASON A)	NUMERIC: INTEGER C_20a1_s1 -----
--	--

QUANTITY IN %C_20b_s1%

E C_20a_s1>0

V1 self<=C_20a_s1

M1 Cannot exceed total used

How much did you spend?	NUMERIC: INTEGER C_20f_s1 -----
-------------------------	---

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E C_20a1_s1>0

How much did you spend to transport %rostertitle%?	NUMERIC: INTEGER C_20g_s1 -----
--	---

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E C_20a1_s1>0

STATIC TEXT

WEED AND PEST CONTROL

How many complete weedings did you do on the %plotroster_s1% plot during SEASON A?	NUMERIC: INTEGER C_26_s1 -----
--	--

I NUMBER IF NEVER WEEDED, ENTER ZERO

Did you use any pesticides / herbicides on the %plotroster_s1% plot during SEASON A?	SINGLE-SELECT C_28_s1 01 <input type="radio"/> YES 00 <input type="radio"/> NO
--	---

How much pesticides / herbicides did you use? (on %plotroster_s1% in SEASON A)?	NUMERIC: DECIMAL C_30a_s1 -----
---	---

I QUANTITY

E C_28_s1==1

<p>UNIT</p> <p>E C_28_s1==1</p>	<p>SINGLE-SELECT C_30b_s1</p> <p>01 <input type="radio"/> KG</p> <p>02 <input type="radio"/> TON</p> <p>03 <input type="radio"/> GRAM</p> <p>04 <input type="radio"/> BAGS</p> <p>05 <input type="radio"/> LITER</p> <p>06 <input type="radio"/> MILLILITER</p> <p>07 <input type="radio"/> CANISTER/BUCKET (LIQUID)</p>
<p>How many KGs does <u>ONE BAG</u> contain?</p> <p>E C_30b_s1==4</p>	<p>NUMERIC: DECIMAL C_30c1_s1</p> <p>-----</p>
<p>How many LITERS does ONE CANISTER/BUCKET (LIQUID) contain?</p> <p>E C_30b_s1==7</p>	<p>NUMERIC: DECIMAL C_30c2_s1</p> <p>-----</p>
<p>Of the pesticides / herbicides used, how much did you purchase? (on %plotroster_s1% in SEASON A)?</p> <p>QUANTITY IN %C_30b_s1%</p> <p>E C_30a_s1>0</p> <p>V1 self<=C_30a_s1</p> <p>M1 Cannot exceed total used</p>	<p>NUMERIC: DECIMAL C_30a1_s1</p> <p>-----</p>
<p>How much did you spend?</p> <p>I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS</p> <p>E C_28_s1==1</p>	<p>NUMERIC: INTEGER C_30f_s1</p> <p>-----</p>
<p>How much did you spend to transport the purchased pesticides / herbicides?</p> <p>I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS</p> <p>E C_28_s1==1 && C_30f_s1>0</p>	<p>NUMERIC: INTEGER C_30g_s1</p> <p>-----</p>
<p>STATIC TEXT</p> <p>LABOR</p>	
<p>How many days of family labor were worked on the %plotroster_s1% plot during SEASON A?</p> <p>I PERSON DAYS</p> <p>V1 self.InRange(0, 500)</p> <p>M1 This seems unlikely. Please check.</p>	<p>NUMERIC: DECIMAL C_32a_s1</p> <p>-----</p>

How many days of exchange / free labor were worked on the %plotroster_s1% plot during SEASON A?

NUMERIC: DECIMAL

C_32b_s1

I PERSON DAYS

V1 self.InRange(0,500)

M1 This seems unlikely. Please check.

How many days of hired labor were worked on the %plotroster_s1% plot during SEASON A?

NUMERIC: DECIMAL

C_32c_s1

I PERSON DAYS

V1 self.InRange(0,500)

M1 This seems unlikely. Please check.

What was the total cost, in cash and in kind, for the days of hired labor on the %plotroster_s1% plot during SEASON A?

NUMERIC: INTEGER

C_32d_s1

I VALUE (RWF) Approximate the value to RWF if it was paid in-kind

E C_32c_s1>0

H. SEASON A / PARCEL / PLOT

Roster: SEEDS & HARVESTgenerated by multi-select question [C_7_s1](#)

crop_0_s1

How much seeds did you plant for %rostertitle% on the %plotroster_s1% plot during SEASON A?

NUMERIC: DECIMAL

D_2a_s1

I QUANTITY

UNIT OF SEEDS

E D_2a_s1>0

SINGLE-SELECT

D_2b_s1

- 01 KG
 02 TON
 03 GRAM
 04 BAGS
 05 Seedlings
 06 Stems
 07 Tubes
 08 Roots

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

D_2c_s1

E D_2b_s1==4

Of the seeds used, how much did you purchase? (for %rosteritle% on %plotroster_s1% in SEASON A)

QUANTITY IN %D_2b_s1%

I QUANTITY

E D_2a_s1>0

V1 self<=D_2a_s1

M1 Cannot exceed total used

NUMERIC: DECIMAL

D_2a1_s1

How much did you spend?

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E D_2a1_s1>0

NUMERIC: INTEGER

D_2e_s1

How much did you spend to transport %rosteritle%?

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E D_2e_s1>0

NUMERIC: INTEGER

D_2d_s1

How much %rosteritle% did you harvest from %plotroster_s1% during SEASON A?

I QUANTITY If they are using different units, ask them to approximate it in KG

NUMERIC: DECIMAL

D_4a_s1

UNIT OF HARVEST

SINGLE-SELECT

D_4b_s1

- 01 KG
 02 TON
 03 GRAM
 04 BAGS

How many KGs does ONE BAG contain?

E D_4b_s1==4

NUMERIC: DECIMAL

D_4c_s1

Condition of harvest

E D_4a_s1>0

SINGLE-SELECT

D_4d_s1

- 01 Shelled
 02 Unshelled
 03 Not applicable

VARIABLE

D_4b_s1.InList(1,2,3) ? D_4a_s1*WeightConv[(int)D_4b_s1].factor : D_4a_s1*D_4c_s1

DOUBLE

stand_harvests1

Was the area harvested less than the area planted?

SINGLE-SELECT

D_5_s1

- 01 YES
 02 NO

Why was the area harvested less than the area planted?

SINGLE-SELECT

D_6_s1

I SELECT ONE

E D_5_s1==1

- 001 Drought
- 002 Irregular Rains
- 003 Floods
- 004 Landslides
- 005 Fire
- 006 Insects
- 007 Animals
- 008 Disease
- 009 Theft
- 999 Other, Specify

Please specify the reason

TEXT

D_6oth_s1

E D_6_s1==999

.....

STATIC TEXT

CROP USES AND SALES

H. SEASON A

Roster: USES & SALES

generated by fixed list

crop_s1

00001 Maize
 00002 Rice
 00003 Sorghum
 00004 Millet
 00005 Wheat
 00006 Beans
 00007 Peas
 00011 Irish Potatoes
 00012 Sweet Potatoes
 00013 Yams & Taro
 00014 Tomatoes
 00015 Cabbage
 00016 Onion
 00017 Carrot
 00018 Garlic
 00019 Hot Peppers
 00020 Eggplant
 00021 Sunflower
 00022 Pyrethrum
 00023 Flowers
 00024 Soya
 00025 Pumpkin
 00999 Other Crops
 09999 Other vegetables
 99999 Other fruits

E parcelroster1.Any(p=>p.plotroster_s1.where(x=>x. B_10_s1==1).Any(c=>c.C_7_s1.Contains(@rowcode)))

VARIABLE

parcelroster1.Sum(y=>y.plotroster_s1.where(x=>x.C_7_s1!=null && x.C_7_s1.Contains(@rowcode)).Sum(p=>p.crop_0_s1[@rowcode].stand_harvests1))

DOUBLE

stand_harvestcrops1

STATIC TEXT

CROP sales

Did you sell any of the %rosteritle% harvested during SEASON A?

SINGLE-SELECT

E_1_s1

01 YES

02 NO

H. SEASON A / USES & SALES

SALES

E E_1_s1==1

How much of the %rostertitle% harvested during SEASON A was sold in total?

NUMERIC: DECIMAL

E_2a_s1

I QUANTITY If they are using different units, ask them to approximate in KG

UNIT OF SALES

SINGLE-SELECT

E_2b_s1

E E_2a_s1>0

- 01 KG
 02 TON
 03 GRAM
 04 BAGS

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

E_2c_s1

E E_2b_s1==4

Condition of sales

SINGLE-SELECT

E_2d_s1

E E_2a_s1>0

- 01 Shelled
 02 Unshelled
 03 Not applicable

VARIABLE

$E_{2b_s1} \text{.InList}(1,2,3) ? E_{2a_s1} * \text{weightConv}[(i \text{nt})E_{2b_s1}].\text{factor} : E_{2a_s1} * E_{2c_s1}$

DOUBLE

stand_sales1

STATIC TEXT

E stand_harvestcrops1<stand_sales1

THE TOTAL AMOUNT OF SALES IS LARGER THAN THE TOTAL AMOUNT OF %rostertitle% HARVESTED DURING SEASON A

PLEASE CHECK HARVEST OR THE TOTAL AMOUNT OF SALES.

What was the total value of all sales of %rostertitle% harvested during SEASON A?

NUMERIC: INTEGER

E_3_s1

I VALUE (RWF)

E E_2a_s1>0

How much in total did you pay to be able to sell %rostertitle% (for example towards transport, middle men, obtaining information, etc.)?

NUMERIC: INTEGER

E_1a_s1

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E E_1_s1==1

Now I would like you to think about the largest transaction you made to sell the %rostertitle% harvested during SEASON A.

How much did you sell in this transaction?

IN %E_2b_s1%

E E_2a_s1>0

NUMERIC: DECIMAL E_5a_1_s1

Condition of the largest transaction sale

E E_5a_1_s1>0

SINGLE-SELECT E_5d_1_s1

- 01 Shelled
- 02 Unshelled
- 03 Not applicable

VARIABLE
E_2b_s1.InList(1,2,3) ? E_5a_1_s1*WeightConv
[(int)E_2b_s1].factor : E_5a_1_s1 *E_2c_s1

DOUBLE stand_largestsales1

STATIC TEXT

E stand_sales1<stand_largestsales1

THE SALES IN THE LARGEST TRANSACTION IS LARGER THAN THE TOTAL AMOUNT OF %rostertitle% SOLD DURING SEASON A

PLEASE CHECK THE LARGEST TRANSACTION SALES OR THE TOTAL AMOUNT OF SALES.

What type of buyer made the purchase?

E E_5a_1_s1>0

SINGLE-SELECT E_6_s1

- 000 Cooperative
- 001 Other households for their own use
- 002 Small-scale trader
- 003 Large-scale trader / wholesaler
- 004 Miller / Processor
- 005 Direct retailer
- 006 Restaurant
- 007 Institution (Church, Hospital, School, other)
- 008 NGO
- 009 Government Agency
- 999 Other, Specify

Please specify the type of buyer

E E_6_s1==999

TEXT E_60th_s1

Where did the transaction take place?	SINGLE-SELECT E_7_s1
E E_5a_1_s1>0	001 <input type="radio"/> Farm gate (home) 002 <input type="radio"/> Village Market (within own village) 003 <input type="radio"/> Village Market (outside own village) 004 <input type="radio"/> Kigali 999 <input type="radio"/> Other, Specify
Please specify the location of the largest transaction	TEXT E_7oth_s1
E E_7_s1==999	.....
How long did it take to transport the %rostertitle% to the market?	NUMERIC: INTEGER E_8a_s1
I NUMBER E E_7_s1>1	-----
UNIT	SINGLE-SELECT E_8b_s1
E E_8a_s1>0	01 <input type="radio"/> MINUTES 02 <input type="radio"/> HOURS
What was the main mode of transport used?	SINGLE-SELECT E_8c_s1
E E_7_s1>1	001 <input type="radio"/> ON FOOT 002 <input type="radio"/> BICYCLE 003 <input type="radio"/> ANIMAL DRAWN CART 004 <input type="radio"/> TAXI / BUS 005 <input type="radio"/> LORRY / TRUCK 006 <input type="radio"/> Motorcycle 007 <input type="radio"/> WHEELBARROW 999 <input type="radio"/> OTHER, SPECIFY
Please specify the main mode of transport used	TEXT E_8coth_s1
E E_8c_s1==999	.....
What was the total value of this transaction?	NUMERIC: INTEGER E_9_s1
I VALUE (RWF) VALUE OF IN-KIND TRANSACTIONS SHOULD BE ESTIMATED E E_5a_1_s1>0 V1 E_3_s1>=self M1 The total value of the largest transaction can't exceed the total value of sales. Please check!	-----

Were there any other transactions to sell the %rostertitle% harvested during SEASON A?

SINGLE-SELECT

E_10_s1

01 YES02 NO

E E_2a_s1>E_5a_1_s1

How many?

NUMERIC: INTEGER

E_11_s1

E E_10_s1==1

V1 self.InRange(1, 50)

M1 This seems unlikely. Please check.

H. SEASON A / USES & SALES

CROP USES

How much of the %rostertitle% harvested during SEASON A was consumed by your household?

NUMERIC: DECIMAL

E_12a_s1

I QUANTITY If they are using different units, ask them to approximate it in KG

UNIT OF the household consumption

SINGLE-SELECT

E_12b_s1

E E_12a_s1>0

01 KG02 TON03 GRAM04 BAGS

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

E_12c_s1

E E_12b_s1==4

Condition of the household consumption

SINGLE-SELECT

E_12d_s1

E E_12a_s1>0

01 Shelled02 Unshelled03 Not applicable

VARIABLE

E_12b_s1.InList(1,2,3) ? E_12a_s1*weightConv [(int)E_12b_s1].factor : E_12a_s1*E_12c_s1

DOUBLE

standuse_homes1

How much of the %rostertitle% harvested during SEASON A was given out as payments?

NUMERIC: DECIMAL

E_13a_s1

I QUANTITY If they are using different units, ask them to approximate it in KG

UNIT OF the amount that was given out as payments	SINGLE-SELECT E_13b_s1 01 <input type="radio"/> KG 02 <input type="radio"/> TON 03 <input type="radio"/> GRAM 04 <input type="radio"/> BAGS
E E_13a_s1>0	
How many KGs does <u>ONE BAG</u> contain?	NUMERIC: DECIMAL E_13c_s1 -----
E E_13b_s1==4	
Condition of the amount that was given out as payments	SINGLE-SELECT E_13d_s1 01 <input type="radio"/> Shelled 02 <input type="radio"/> Unshelled 03 <input type="radio"/> Not applicable
E E_13a_s1>0	
VARIABLE $E_{13b_s1}.InList(1,2,3) ? E_{13a_s1}*WeightConv [(int)E_{13b_s1}].factor : E_{13a_s1}*E_{13c_s1}$	DOUBLE standuse_payments1
How much of the %rostartitle% harvested during SEASON A was lost to rotting, insects, rodents, theft, etc in the post-harvest period?	NUMERIC: DECIMAL E_14a_s1 -----
I QUANTITY If they are using different units, ask them to approximate it in KG	
UNIT OF the amount that was lost to rotting, insects, rodents, theft, etc in the post-harvest period	SINGLE-SELECT E_14b_s1 01 <input type="radio"/> KG 02 <input type="radio"/> TON 03 <input type="radio"/> GRAM 04 <input type="radio"/> BAGS
E E_14a_s1>0	
How many KGs does <u>ONE BAG</u> contain?	NUMERIC: DECIMAL E_14c_s1 -----
E E_14b_s1==4	
Condition of the amount that was lost to rotting, insects, rodents, theft, etc in the post-harvest period	SINGLE-SELECT E_14d_s1 01 <input type="radio"/> Shelled 02 <input type="radio"/> Unshelled 03 <input type="radio"/> Not applicable
E E_14a_s1>0	
VARIABLE $E_{14b_s1}.InList(1,2,3) ? E_{14a_s1}*WeightConv [(int)E_{14b_s1}].factor : E_{14a_s1}*E_{14c_s1}$	DOUBLE standuse_loss1

What was the reason for loss?	MULTI-SELECT	E_15_s1
E E_14a_s1>0	001 <input type="checkbox"/> ROTTING 002 <input type="checkbox"/> INSECTS 003 <input type="checkbox"/> ANIMAL DAMAGE 004 <input type="checkbox"/> FLOOD / WATERLOGGING 005 <input type="checkbox"/> THEFT 999 <input type="checkbox"/> OTHER, SPECIFY	
Please specify the reason for loss	TEXT	E_15oth_s1
E E_15_s1.Contains(999)	.....
VARIABLE new[] {standuse_homes1, standuse_payments1, standuse_loss1}.Sum()	DOUBLE	sum_uses1

STATIC TEXT

E stand_harvestcrops1<sum_uses1

THE TOTAL %rosteritle% USE FOR HOUSEHOLD CONSUMPTION AND PAYMENTS AS WELL AS THE LOST AMOUNT OF %rosteritle% IS LARGER THAN THE TOTAL AMOUNT OF %rosteritle% HARVESTED DURING SEASON A

PLEASE CHECK HARVEST OR THIS USE SECTION.

I. SEASON B

STATIC TEXT

[ENUMERATOR: CONVEY THE FOLLOWING STATEMENT TO THE RESPONDENT:]

STATIC TEXT

Now I would like to start talking about your plot details and agricultural activities during the [SEASON B] between March 2017-June 2017.

I. SEASON B

Roster: PARCEL

generated by list question [A_2](#)

parcelroster2

E A_11>0

I. SEASON B / PARCEL

Roster: PLOT

generated by list question [PLOT_NAME_2](#)

plotroster_s2

Was the %rostertitle% plot in SEASON B on the same piece of land as one of the plots in SEASON A?

SINGLE-SELECT

plot_link_s2_s1a

01 YES02 NO

Which SEASON A plot was in the same piece of land as the %rostertitle% plot in SEASON B?

SINGLE-SELECT: LINKED

plot_link_s2_s1b

E plot_link_s2_s1a==1

During SEASON B, how was the %plotroster_s2% plot used?

SINGLE-SELECT

B_10_s2

001 CULTIVATED, SINGLE SEASON CROPS002 CULTIVATED, TREE /PERMANENT CROPS003 RENTED / SHARECROPPED OUT004 LOANED OUT FOR FREE005 GRAZING LAND / PASTURE006 LEFT FALLOW007 VIRGIN LAND999 OTHER, SPECIFY

I. SEASON B / PARCEL / PLOT

PLOT DETAILS

E plot_link_s2_s1a==2

What is the MEASUREMENT UNIT of the area of the %rostertitle% plot?

SINGLE-SELECT

B_2b_s2

01 HECTARE02 ACRE03 SQUARE METER04 Meters/Steps

What is the area of the %plotroster_s2% plot?

NUMERIC: DECIMAL

B_2a_s2

E B_2b_s2<4

V1 self>0

M1 A plot can not have the size of zero. Please check.

What is the width of the %rostertitle% plot?

NUMERIC: DECIMAL

B_2a1_s2

E B_2b_s2==4

V1 self>0

M1 A plot can not have the width of zero. Please check.

What is the length of the %rosteritle% plot?

NUMERIC: DECIMAL

B_2a2_s2

E B_2b_s2==4

V1 self>0

M1 A plot can not have the length of zero. Please check.

VARIABLE

```
B_2b_s2.InList(1,2,3) ? B_2a_s2*AreaConv[(int) B_2b_s2].factor : B_2a1_s2*B_2a2_s2*AreaConv[(int)B_2b_s2].factor
```

DOUBLE

plot_area_s2

What is the color of the soil of the %plotroster_s2% plot?

SINGLE-SELECT

B_4_s2

- 001 BLACK
 002 RED
 003 WHITE / LIGHT
 004 YELLOW
 999 OTHER, SPECIFY
 888 Don't know

Please specify the color of the soil of the %plotroster_s2% plot.

TEXT

B_4oth_s2

E B_4_s2==999

What is the type of texture of the %plotroster_s2% plot?

SINGLE-SELECT

B_5_s2

- 001 VERY FINE
 002 FINE
 003 BETWEEN COARSE AND FINE
 004 COARSE
 005 VERY COARSE
 888 Don't know

What is the extent of erosion on the %plotroster_s2% plot?

SINGLE-SELECT

B_6_s2

I READ ANSWERS AND SELECT UP TO THREE. IF MORE THAN THREE, SELECT THREE MOST IMPORTANT.

- 01 NONE
 02 MILD
 03 MODERATE
 04 SEVERE

What is the slope of the %plotroster_s2% plot?

SINGLE-SELECT

B_8_s2

I READ ANSWERS

- 01 FLAT
 02 MODERATE
 03 STEEP/HILLY

Is the %plotroster_s2% plot swamp / wetland?

SINGLE-SELECT

B_9_s2

- 01 YES
 02 NO

Please specify how the %plotroster_s2% plot was used

TEXT

B_10oth_s2

E B_10_s2==999

How much did you receive from renting out the %plotroster_s2% plot during SEASON B IN CASH and IN KIND?

NUMERIC: INTEGER

B_11a_s2

I VALUE (RWF)

E B_10_s2==3

I. SEASON B / PARCEL / PLOT
PRODUCTION INPUTS

E B_10_s2==1

Which crops were planted on plot %plotroster_s2% during SEASON B?

MULTI-SELECT

C_7_s2

I SELECT UP TO FIVE

- 00001 Maize
- 00002 Rice
- 00003 Sorghum
- 00004 Millet
- 00005 Wheat
- 00006 Beans
- 00007 Peas
- 00011 Irish Potatoes
- 00012 Sweet Potatoes
- 00013 Yams & Taro
- 00014 Tomatoes
- 00015 Cabbage
- 00016 Onion
- 00017 Carrot
- 00018 Garlic
- 00019 Hot Peppers

[And 9 other symbols \[6\]](#)

Please specify other crops

LIST

C_7oth1_s2

E C_7_s2.Contains(999)

Please specify other vegetables

LIST

C_7oth2_s2

E C_7_s2.Contains(9999)

Please specify other fruits

LIST

C_7oth3_s2

E C_7_s2.Contains(99999)

STATIC TEXT

LAND PREPARATION

How did you prepare the soil for planting on the plot %plotroster_s2% during SEASON B?

- MULTI-SELECT C_5_s2
- 001 HAND HOEING
 - 002 PLOW - MOLDBOARD
 - 003 PLOW - DISC
 - 004 ZERO / MINIMUM TILLAGE
 - 999 OTHER, SPECIFY

Please specify how you prepared the soil

TEXT C_5oth_s2

E C_5_s2.Contains(999)
 V1 self.Length>2
 M1 Description too short! Please specify more.

.....

During SEASON B, was the %plotroster_s2% plot irrigated?

- SINGLE-SELECT C_8_s2
- 01 YES
 - 02 NO

STATIC TEXT

FERTILIZER

Did you use any organic fertilizer on the %plotroster_s2% plot during SEASON B?

- SINGLE-SELECT C_15_s2
- 01 YES
 - 00 NO

What type of organic fertiliser did you use? (on %plotroster_s2% in SEASON B)

- MULTI-SELECT C_16_s2
- 001 ANIMAL MANURE (FERMENTED)
 - 002 FRESH/GREEN MANURE (NON FERMENTED MANURE)
 - 003 COMPOST
 - 999 OTHER ORGANIC FERTILIZER

I SELECT ALL THAT APPLIES
 E C_15_s2==1

Please specify the type of organic fertiliser was used on plot %plotroster_s2%

TEXT C_16oth_s2

E C_16_s2.Contains(999)

.....

I. SEASON B / PARCEL / PLOT / PRODUCTION INPUTS

Roster: ORGANIC FERTILIZER

generated by multi-select question [C_16_s2](#)

organfert_s2

How much %rostertitle% did you use? (on %plotroster_s2% in SEASON B)

NUMERIC: DECIMAL

C_17a_s2

I Quantity

V1 self>0

M1 Respondent stated to have used %rostertitle% during SEASON B. Therefore must be larger than zero.

UNIT

SINGLE-SELECT

C_17b_s2

- 01 KG
 02 TON
 03 GRAM
 04 BAGS
 05 LITER
 06 MILLILITER

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

C_17c_s2

E C_17b_s2==4

Of the %rostertitle% used, how much did you purchase? (on %plotroster_s2% in SEASON B)

NUMERIC: DECIMAL

C_17a1_s2

QUANTITY IN %C_17b_s2%

E C_17a_s2>0

V1 self<=C_17a_s2

M1 Cannot exceed total used

How much did you spend?

NUMERIC: DECIMAL

C_17f_s2

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E C_17a1_s2>0

How much did you spend to transport %rostertitle%?

NUMERIC: INTEGER

C_17g_s2

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E C_17a1_s2>0

Did you use any inorganic fertilizer on the %plotroster_s2% plot during SEASON B?

SINGLE-SELECT

C_18_s2

- 01 YES
 00 NO

What types of inorganic fertiliser did you use? (on %plotroster_s2% in SEASON B)

MULTI-SELECT

C_19_s2

- 001 NPK
 002 UREA
 003 DAP
 004 LIME
 999 OTHER INORGANIC FERTILIZER

I SELECT ALL THAT APPLIES

E C_18_s2==1

Please specify other types of inorganic fertilizer

TEXT

C_19oth_s2

E C_19_s2.Contains(999)

I. SEASON B / PARCEL / PLOT / PRODUCTION INPUTS

Roster: INORGANIC FERTILIZER

generated by multi-select question C_19_s2

inorgfertilizer_s2

How much %rostartitle% did you use? (on %plotroster_s2% in SEASON B)

NUMERIC: DECIMAL

C_20a_s2

I QUANTITY

V1 self>0

M1 Respondent stated to have used %rostartitle% during SEASON B on plot %plotroster_s2%. Therefore quantity must be larger than zero.

UNIT

SINGLE-SELECT

C_20b_s2

- 01 KG
- 02 TON
- 03 GRAM
- 04 BAGS
- 05 LITER
- 06 MILLILITER

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

C_20c_s2

E C_20b_s2==4

Of the %rostartitle% used, how much did you purchase? (on %plotroster_s2% in SEASON B)

NUMERIC: INTEGER

C_20a1_s2

QUANTITY IN %C_20b_s2%

E C_20a_s2>0

V1 self<=C_20a_s2

M1 Cannot exceed total used

How much did you spend?

NUMERIC: INTEGER

C_20f_s2

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E C_20a1_s2>0

How much did you spend to transport %rostartitle%?

NUMERIC: INTEGER

C_20g_s2

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E C_20a1_s2>0

STATIC TEXT

WEED AND PEST CONTROL

<p>How many complete weedings did you do on the %plotroster_s2% plot during SEASON B?</p> <p>I NUMBER IF NEVER WEEDED, ENTER ZERO</p>	<p>NUMERIC: INTEGER C_26_s2</p> <p>-----</p>
<p>Did you use any pesticides / herbicides on the %plotroster_s2% plot during SEASON B?</p>	<p>SINGLE-SELECT C_28_s2</p> <p>01 <input type="radio"/> YES</p> <p>00 <input type="radio"/> NO</p>
<p>How much pesticides / herbicides did you use? (on %plotroster_s2% in SEASON B)?</p> <p>I QUANTITY</p> <p>E C_28_s2==1</p>	<p>NUMERIC: DECIMAL C_30a_s2</p> <p>-----</p>
<p>UNIT</p> <p>E C_28_s2==1</p>	<p>SINGLE-SELECT C_30b_s2</p> <p>01 <input type="radio"/> KG</p> <p>02 <input type="radio"/> TON</p> <p>03 <input type="radio"/> GRAM</p> <p>04 <input type="radio"/> BAGS</p> <p>05 <input type="radio"/> LITER</p> <p>06 <input type="radio"/> MILLILITER</p> <p>07 <input type="radio"/> CANISTER/BUCKET (LIQUID)</p>
<p>How many KGs does <u>ONE BAG</u> contain?</p> <p>E C_30b_s2==4</p>	<p>NUMERIC: DECIMAL C_30c1_s2</p> <p>-----</p>
<p>How many LITERS does ONE CANISTER/BUCKET (LIQUID) contain?</p> <p>E C_30b_s2==7</p>	<p>NUMERIC: DECIMAL C_30c2_s2</p> <p>-----</p>
<p>Of the pesticides / herbicides used, how much did you purchase? (on %plotroster_s2% in SEASON B)?</p> <p>QUANTITY IN %C_30b_s2%</p> <p>E C_30a_s2>0</p>	<p>NUMERIC: DECIMAL C_30a1_s2</p> <p>-----</p>
<p>How much did you spend?</p> <p>I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS</p> <p>E C_28_s2==1</p>	<p>NUMERIC: INTEGER C_30f_s2</p> <p>-----</p>

How much did you spend to transport the purchased pesticides / herbicides?

NUMERIC: INTEGER

C_30g_s2

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS
E C_28_s2==1 && C_30f_s2>0

STATIC TEXT

LABOR

How many days of family labor were worked on the %plotroster_s2% plot during SEASON B?

NUMERIC: DECIMAL

C_32a_s2

I PERSON DAYS
V1 self.InRange(0,500)
M1 This seems unlikely. Please check.

How many days of exchange / free labor were worked on the %plotroster_s2% plot during SEASON B?

NUMERIC: DECIMAL

C_32b_s2

I PERSON DAYS
V1 self.InRange(0,500)
M1 This seems unlikely. Please check.

How many days of hired labor were worked on the %plotroster_s2% plot during SEASON B?

NUMERIC: DECIMAL

C_32c_s2

I PERSON DAYS
V1 self.InRange(0,500)
M1 This seems unlikely. Please check.

What was the total cost, in cash and in kind, for the days of hired labor on the %plotroster_s2% plot during SEASON B?

NUMERIC: INTEGER

C_32d_s2

I VALUE (RWF) Approximate the value to RWF if it was paid in-kind
E C_32c_s2>0

I. SEASON B / PARCEL / PLOT

Roster: SEEDS & HARVESTgenerated by multi-select question [C_7_s2](#)

crop_0_s2

How much seeds did you plant for %rostertitle% on the %plotroster_s2% plot during SEASON B?

NUMERIC: DECIMAL

D_2a_s2

I QUANTITY

UNIT OF SEEDS

E D_2a_s2>0

SINGLE-SELECT

D_2b_s2

- 01 KG
 02 TON
 03 GRAM
 04 BAGS
 05 Seedlings
 06 Stems
 07 Tubes
 08 Roots

How many KGs does ONE BAG contain?

E D_2b_s2==4

NUMERIC: DECIMAL

D_2c_s2

Of the seeds used, how much did you purchase? (for %rostertitle% on %plotroster_s2% in SEASON B)

QUANTITY IN %D_2b_s2%

I QUANTITY

E D_2a_s2>0

V1 self<=D_2a_s2

M1 Cannot exceed total used

NUMERIC: DECIMAL

D_2a1_s2

How much did you spend?

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E D_2a1_s2>0

NUMERIC: INTEGER

D_2e_s2

How much did you spend to transport %rostertitle%?

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E D_2e_s2>0

NUMERIC: INTEGER

D_2d_s2

How much %rostertitle% did you harvest from %plotroster_s2% during SEASON B?

I QUANTITY If they are using different units, ask them to approximate it in KG

NUMERIC: DECIMAL

D_4a_s2

UNIT OF HARVEST

E D_4b_s2==4

SINGLE-SELECT

D_4b_s2

- 01 KG
 02 TON
 03 GRAM
 04 BAGS

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

D_4c_s2

<p>Condition of harvest</p> <p>E D_4a_s2>0</p>	<p>SINGLE-SELECT D_4d_s2</p> <p>01 <input type="radio"/> Shelled</p> <p>02 <input type="radio"/> Unshelled</p> <p>03 <input type="radio"/> Not applicable</p>
<p>VARIABLE</p> <p>D_4b_s2.InList(1,2,3) ? D_4a_s2*weightConv[(int)D_4b_s2].factor : D_4a_s2*D_4c_s2</p>	<p>DOUBLE stand_harvests2</p>
<p>Was the area harvested less than the area planted?</p>	<p>SINGLE-SELECT D_5_s2</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>Why was the area harvested less than the area planted?</p> <p>I SELECT ONE</p> <p>E D_5_s2==1</p>	<p>SINGLE-SELECT D_6_s2</p> <p>001 <input type="radio"/> Drought</p> <p>002 <input type="radio"/> Irregular Rains</p> <p>003 <input type="radio"/> Floods</p> <p>004 <input type="radio"/> Landslides</p> <p>005 <input type="radio"/> Fire</p> <p>006 <input type="radio"/> Insects</p> <p>007 <input type="radio"/> Animals</p> <p>008 <input type="radio"/> Disease</p> <p>009 <input type="radio"/> Theft</p> <p>999 <input type="radio"/> Other, Specify</p>
<p>Please specify the reason</p> <p>E D_6_s2==999</p>	<p>TEXT D_6oth_s2</p> <p>.....</p>

STATIC TEXT

CROP USES AND SALES

I. SEASON B

Roster: USES & SALES

generated by fixed list

crop_s2

- 00001 Maize
- 00002 Rice
- 00003 Sorghum
- 00004 Millet
- 00005 Wheat
- 00006 Beans
- 00007 Peas
- 00011 Irish Potatoes
- 00012 Sweet Potatoes
- 00013 Yams & Taro
- 00014 Tomatoes
- 00015 Cabbage
- 00016 Onion
- 00017 Carrot
- 00018 Garlic
- 00019 Hot Peppers
- 00020 Eggplant
- 00021 Sunflower
- 00022 Pyrethrum
- 00023 Flowers
- 00024 Soya
- 00025 Pumpkin
- 00999 Other Crops
- 09999 Other vegetables
- 99999 Other fruits

E parcelroster2.Any(p=>p.plotroster_s2.where(x=>x.B_10_s2==1).Any(c=>c.C_7_s2.Contains(@rowcode)))

VARIABLE parcelroster2.Sum(y=>y.plotroster_s2.where(x=>x.C_7_s2!=null && x.C_7_s2.Contains(@rowcode)).Sum(p=>p.crop_0_s2[@rowcode].stand_harvests2))	DOUBLE stand_harvestcrops2
---	-------------------------------

STATIC TEXT

CROP sales

Did you sell any of the %rosteritle% harvested during SEASON B?	SINGLE-SELECT 01 <input type="radio"/> YES 02 <input type="radio"/> NO
---	--

I. SEASON B / USES & SALES

SALES

E E_1_s2==1

How much of the %rostertitle% harvested during SEASON B was sold in total?

NUMERIC: DECIMAL

E_2a_s2

I QUANTITY If they are using different units, ask them to approximate in KG

UNIT OF SALES

SINGLE-SELECT

E_2b_s2

E E_2a_s2>0

- 01 KG
 02 TON
 03 GRAM
 04 BAGS

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

E_2c_s2

E E_2b_s2==4

Condition of sales

SINGLE-SELECT

E_2d_s2

E E_2a_s2>0

- 01 Shelled
 02 Unshelled
 03 Not applicable

VARIABLE

$E_{2b_s2} \cdot \text{InList}(1,2,3) ? E_{2a_s2} * \text{weightConv}[(i \text{nt})E_{2b_s2}].\text{factor} : E_{2a_s2} * E_{2c_s2}$

DOUBLE

stand_sales2

STATIC TEXT

E stand_harvestcrops2<stand_sales2

THE TOTAL AMOUNT OF SALES IS LARGER THAN THE TOTAL AMOUNT OF %rostertitle% HARVESTED DURING SEASON B

PLEASE CHECK HARVEST OR THE TOTAL AMOUNT OF SALES.

What was the total value of all sales of %rostertitle% harvested during SEASON B?

NUMERIC: INTEGER

E_3_s2

I VALUE (RWF)

E E_2a_s2>0

How much in total did you pay to be able to sell %rostertitle% (for example towards transport, middle men, obtaining information, etc.)?

NUMERIC: INTEGER

E_1a_s2

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E E_1_s2==1

Now I would like you to think about the largest transaction you made to sell the %rostertitle% harvested during SEASON B.

How much did you sell in this transaction?

IN %E_2b_s2%

E E_2a_s2>0

NUMERIC: DECIMAL

E_5a_1_s2

Condition of the largest transaction sale

E E_5a_1_s2>0

SINGLE-SELECT

E_5d_1_s2

- 01 Shelled
- 02 Unshelled
- 03 Not applicable

VARIABLE

E_2b_s2.InList(1,2,3) ? E_5a_1_s2*WeightConv [(int)E_2b_s2].factor : E_5a_1_s2 *E_2c_s2

DOUBLE

stand_largestsales2

STATIC TEXT

E stand_sales2<stand_largestsales2

THE SALES IN THE LARGEST TRANSACTION IS LARGER THAN THE TOTAL AMOUNT OF %rostertitle% SOLD DURING SEASON B

PLEASE CHECK THE LARGEST TRANSACTION SALES OR THE TOTAL AMOUNT OF SALES.

What type of buyer made the purchase?

E E_5a_1_s2>0

SINGLE-SELECT

E_6_s2

- 000 Cooperative
- 001 Other households for their own use
- 002 Small-scale trader
- 003 Large-scale trader / wholesaler
- 004 Miller / Processor
- 005 Direct retailer
- 006 Restaurant
- 007 Institution (Church, Hospital, School, other)
- 008 NGO
- 009 Government Agency
- 999 Other, Specify

Please specify the type of buyer

E E_6_s2==999

TEXT

E_60th_s2

.....

Where did the transaction take place?	SINGLE-SELECT E_7_s2
E E_5a_1_s2>0	001 <input type="radio"/> Farm gate (home) 002 <input type="radio"/> Village Market (within own village) 003 <input type="radio"/> Village Market (outside own village) 004 <input type="radio"/> Kigali 999 <input type="radio"/> Other, Specify
Please specify the location of the largest transaction	TEXT E_7oth_s2
E E_7_s2==999	.....
How long did it take to transport the %rostertitle% to the market?	NUMERIC: INTEGER E_8a_s2
I NUMBER E E_7_s2>1	-----
UNIT	SINGLE-SELECT E_8b_s2
E E_8a_s2>0	01 <input type="radio"/> MINUTES 02 <input type="radio"/> HOURS
What was the main mode of transport used?	SINGLE-SELECT E_8c_s2
E E_7_s2>1	001 <input type="radio"/> ON FOOT 002 <input type="radio"/> BICYCLE 003 <input type="radio"/> ANIMAL DRAWN CART 004 <input type="radio"/> TAXI / BUS 005 <input type="radio"/> LORRY / TRUCK 006 <input type="radio"/> Motorcycle 007 <input type="radio"/> WHEELBARROW 999 <input type="radio"/> OTHER, SPECIFY
Please specify the main mode of transport used	TEXT E_8coth_s2
E E_8c_s2==999	.....
What was the total value of this transaction?	NUMERIC: INTEGER E_9_s2
I VALUE (RWF) VALUE OF IN-KIND TRANSACTIONS SHOULD BE ESTIMATED E E_5a_1_s2>0 V1 E_3_s2>=se1f M1 The total value of the largest transaction can't exceed the total value of sales. Please check!	-----

Were there any other transactions to sell the %rostertitle% harvested during SEASON B?

SINGLE-SELECT

E_10_s2

01 YES02 NO

E E_2a_s2>E_5a_1_s2

How many?

NUMERIC: INTEGER

E_11_s2

E E_10_s2==1

V1 self.InRange(1, 50)

M1 This seems unlikely. Please check.

I. SEASON B / USES & SALES

CROP USES

How much of the %rostertitle% harvested during SEASON B was consumed by your household?

NUMERIC: DECIMAL

E_12a_s2

I QUANTITY If they are using different units, ask them to approximate it in KG

UNIT OF the household consumption

SINGLE-SELECT

E_12b_s2

E E_12a_s2>0

01 KG02 TON03 GRAM04 BAGS

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

E_12c_s2

E E_12b_s2==4

Condition of the household consumption

SINGLE-SELECT

E_12d_s2

E E_12a_s2>0

01 Shelled02 Unshelled03 Not applicable

VARIABLE

E_12b_s2.InList(1,2,3) ? E_12a_s2*weightConv [(int)E_12b_s2].factor : E_12a_s2*E_12c_s2

DOUBLE

standuse_homes2

How much of the %rostertitle% harvested during SEASON B was given out as payments?

NUMERIC: DECIMAL

E_13a_s2

I QUANTITY If they are using different units, ask them to approximate it in KG

<p>UNIT OF the amount that was given out as payments</p> <p>E E_13a_s2>0</p>	<p>SINGLE-SELECT E_13b_s2</p> <p>01 <input type="radio"/> KG</p> <p>02 <input type="radio"/> TON</p> <p>03 <input type="radio"/> GRAM</p> <p>04 <input type="radio"/> BAGS</p>
<p>How many KGs does <u>ONE BAG</u> contain?</p> <p>E E_13b_s2==4</p>	<p>NUMERIC: DECIMAL E_13c_s2</p> <p>-----</p>
<p>Condition of the amount that was given out as payments</p> <p>E E_13a_s2>0</p>	<p>SINGLE-SELECT E_13d_s2</p> <p>01 <input type="radio"/> Shelled</p> <p>02 <input type="radio"/> Unshelled</p> <p>03 <input type="radio"/> Not applicable</p>
<p>VARIABLE</p> <p>E_13b_s2.InList(1,2,3) ? E_13a_s2*WeightConv [(int)E_13b_s2].factor : E_13a_s2*E_13c_s2</p>	<p>DOUBLE standuse_payments2</p>
<p>How much of the %rostertitle% harvested during SEASON B was lost to rotting, insects, rodents, theft, etc in the post-harvest period?</p> <p>I QUANTITY If they are using different units, ask them to approximate it in KG</p>	<p>NUMERIC: DECIMAL E_14a_s2</p> <p>-----</p>
<p>UNIT OF the amount that was lost to rotting, insects, rodents, theft, etc in the post-harvest period</p> <p>E E_14a_s2>0</p>	<p>SINGLE-SELECT E_14b_s2</p> <p>01 <input type="radio"/> KG</p> <p>02 <input type="radio"/> TON</p> <p>03 <input type="radio"/> GRAM</p> <p>04 <input type="radio"/> BAGS</p>
<p>How many KGs does <u>ONE BAG</u> contain?</p> <p>E E_14b_s2==4</p>	<p>NUMERIC: DECIMAL E_14c_s2</p> <p>-----</p>
<p>Condition of the amount that was lost to rotting, insects, rodents, theft, etc in the post-harvest period</p> <p>E E_14a_s2>0</p>	<p>SINGLE-SELECT E_14d_s2</p> <p>01 <input type="radio"/> Shelled</p> <p>02 <input type="radio"/> Unshelled</p> <p>03 <input type="radio"/> Not applicable</p>
<p>VARIABLE</p> <p>E_14b_s2.InList(1,2,3) ? E_14a_s2*WeightConv [(int)E_14b_s2].factor : E_14a_s2*E_14c_s2</p>	<p>DOUBLE standuse_loss2</p>

What was the reason for loss?	MULTI-SELECT	E_15_s2
E E_14a_s2>0	001 <input type="checkbox"/> ROTTING 002 <input type="checkbox"/> INSECTS 003 <input type="checkbox"/> ANIMAL DAMAGE 004 <input type="checkbox"/> FLOOD / WATERLOGGING 005 <input type="checkbox"/> THEFT 999 <input type="checkbox"/> OTHER, SPECIFY	
Please specify the reason for loss	TEXT	E_15oth_s2
E E_15_s2.Contains(999)	.....
VARIABLE new[] {standuse_homes2, standuse_payments2, standuse_loss2}.Sum()	DOUBLE	sum_uses2

STATIC TEXT

E stand_harvestcrops2<sum_uses2

THE TOTAL %rosteritle% USE FOR HOUSEHOLD CONSUMPTION AND PAYMENTS AS WELL AS THE LOST AMOUNT OF %rosteritle% IS LARGER THAN THE TOTAL AMOUNT OF %rosteritle% HARVESTED DURING SEASON B

PLEASE CHECK HARVEST OR THIS USE SECTION.

J. SEASON C

STATIC TEXT

[ENUMERATOR: CONVEY THE FOLLOWING STATEMENT TO THE RESPONDENT:]

STATIC TEXT

Now I would like to start talking about your plot details and agricultural activities during the [SEASON C] between July 2017-September 2017.

J. SEASON C

Roster: PARCEL

generated by list question [A_2](#)

parcelroster3

E A_12>0

J. SEASON C / PARCEL

Roster: PLOT

generated by list question [PLOT_NAME_3](#)

plotroster_s3

Was the %rostartitle% plot in SEASON C on the same piece of land as one of the plots in SEASON A?

SINGLE-SELECT

plot_link_s3_s1a

01 YES02 NO

Which SEASON A plot was in the same piece of land as the %rostartitle% plot in SEASON C?

SINGLE-SELECT: LINKED

plot_link_s3_s1b

E plot_link_s3_s1a==1

Was the %rostartitle% plot in SEASON C on the same piece of land as one of the plots in SEASON B?

SINGLE-SELECT

plot_link_s3_s2a

01 YES02 NO

E plot_link_s3_s1a==2

Which SEASON B plot was in the same piece of land as the %rostartitle% plot in SEASON C?

SINGLE-SELECT: LINKED

plot_link_s3_s2b

E plot_link_s3_s2a==1

During SEASON C, how was the %plotroster_s3% plot used?

SINGLE-SELECT

B_10_s3

001 CULTIVATED, SINGLE SEASON CROPS002 CULTIVATED, TREE /PERMANENT CROPS003 RENTED / SHARECROPPED OUT004 LOANED OUT FOR FREE005 GRAZING LAND / PASTURE006 LEFT FALLOW007 VIRGIN LAND999 OTHER, SPECIFY

J. SEASON C / PARCEL / PLOT

PLOT DETAILS

E plot_link_s3_s1a==2 && plot_link_s3_s2a==2

What is the MEASUREMENT UNIT of the area of the %rostartitle% plot?

SINGLE-SELECT

B_2b_s3

01 HECTARE02 ACRE03 SQUARE METER04 Meters/Steps

What is the area of the %plotroster_s3% plot?

NUMERIC: DECIMAL

B_2a_s3

E B_2b_s3<4

V1 self>0

M1 A plot can not have the size of zero. Please check.

What is the width of the %rostertitle% plot?

NUMERIC: DECIMAL

B_2a1_s3

E B_2b_s3==4

V1 self>0

M1 A plot can not have the width of zero. Please check.

What is the length of the %rostertitle% plot?

NUMERIC: DECIMAL

B_2a2_s3

E B_2b_s3==4

V1 self>0

M1 A plot can not have the length of zero. Please check.

VARIABLE

B_2b_s3.InList(1,2,3) ? B_2a_s3*AreaConv[(int) B_2b_s3].factor : B_2a1_s3*B_2a2_s3*AreaConv[(int)B_2b_s3].factor

DOUBLE

plot_area_s3

What is the color of the soil of the %plotroster_s3% plot?

SINGLE-SELECT

B_4_s3

001 BLACK002 RED003 WHITE / LIGHT004 YELLOW999 OTHER, SPECIFY888 Don't know

Please specify the color of the soil of the %plotroster_s3% plot.

TEXT

B_4oth_s3

E B_4_s3==999

What is the type of texture of the %plotroster_s3% plot?

SINGLE-SELECT

B_5_s3

001 VERY FINE002 FINE003 BETWEEN COARSE AND FINE004 COARSE005 VERY COARSE888 Don't know

What is the extent of erosion on the %plotroster_s3% plot?

SINGLE-SELECT

B_6_s3

01 NONE02 MILD03 MODERATE04 SEVERE

I READ ANSWERS AND SELECT UP TO THREE. IF MORE THAN THREE, SELECT THREE MOST IMPORTANT.

What is the slope of the %plotroster_s3% plot?

SINGLE-SELECT

B_8_s3

- 01 FLAT
- 02 MODERATE
- 03 STEEP/HILLY

I READ ANSWERS

Is the %plotroster_s3% plot swamp / wetland?

SINGLE-SELECT

B_9_s3

- 01 YES
- 02 NO

Please specify how the %plotroster_s3% plot was used

TEXT

B_10oth_s3

.....

E B_10_s3==999

How much did you receive from renting out the %plotroster_s3% plot during SEASON C IN CASH and IN KIND?

NUMERIC: INTEGER

B_11a_s3

I VALUE (RWF)

E B_10_s3==3

J. SEASON C / PARCEL / PLOT
PRODUCTION INPUTS

E B_10_s3==1

Which crops were planted on plot %plotroster_s3% during SEASON C?

MULTI-SELECT

C_7_s3

I SELECT UP TO FIVE

- 00001 Maize
- 00002 Rice
- 00003 Sorghum
- 00004 Millet
- 00005 Wheat
- 00006 Beans
- 00007 Peas
- 00011 Irish Potatoes
- 00012 Sweet Potatoes
- 00013 Yams & Taro
- 00014 Tomatoes
- 00015 Cabbage
- 00016 Onion
- 00017 Carrot
- 00018 Garlic
- 00019 Hot Peppers

[And 9 other symbols \[7\]](#)

Please specify other crops

LIST

C_7oth1_s3

.....

E C_7_s3.Contains(999)

Please specify other vegetables

LIST

C_7oth2_3

E C_7_s3.Contains(9999)

Please specify other fruits

LIST

C_7oth3_s3

E C_7_s3.Contains(99999)

STATIC TEXT

LAND PREPARATION

How did you prepare the soil for planting on the plot %plotroster_s3% during SEASON C?

MULTI-SELECT

C_5_s3

- 001 HAND HOEING
 002 PLOW - MOLDBOARD
 003 PLOW - DISC
 004 ZERO / MINIMUM TILLAGE
 999 OTHER, SPECIFY

Please specify how you prepared the soil

TEXT

C_5oth_s3

E C_5_s3.Contains(999)

V1 self.Length>2

M1 Description too short! Please specify more.

During SEASON C, was the %plotroster_s3% plot irrigated?

SINGLE-SELECT

C_8_s3

- 01 YES
 02 NO

STATIC TEXT

FERTILIZER

Did you use any organic fertilizer on the %plotroster_s3% plot during SEASON C?

SINGLE-SELECT

C_15_s3

- 01 YES
 00 NO

What type of organic fertiliser did you use? (on %plotroster_s3% in SEASON C)

MULTI-SELECT

C_16_s3

I SELECT ALL THAT APPLIES

E C_15_s3==1

- 001 ANIMAL MANURE (FERMENTED)
 002 FRESH/GREEN MANURE (NON FERMENTED MANURE)
 003 COMPOST
 999 OTHER ORGANIC FERTILIZER

Please specify the type of organic fertiliser was used on plot %plotroster_s3%

TEXT

C_16oth_s3

E C_16_s3.Contains(999)

J. SEASON C / PARCEL / PLOT / PRODUCTION INPUTS

Roster: ORGANIC FERTILIZERgenerated by multi-select question [C_16_s3](#)

organfert_s3

<p>How much %rostertitle% did you use? (on %plotroster_s3% in SEASON C)</p> <p>I Quantity V1 self>0 M1 Respondent stated to have used %rostertitle% during SEASON C. Therefore must be larger than zero.</p>	<p>NUMERIC: DECIMAL C_17a_s3</p> <p>-----</p>
<p>UNIT</p>	<p>SINGLE-SELECT C_17b_s3</p> <p>01 <input type="radio"/> KG 02 <input type="radio"/> TON 03 <input type="radio"/> GRAM 04 <input type="radio"/> BAGS 05 <input type="radio"/> LITER 06 <input type="radio"/> MILLILITER</p>
<p>How many KGs does <u>ONE BAG</u> contain?</p> <p>E C_17b_s3==4</p>	<p>NUMERIC: DECIMAL C_17c_s3</p> <p>-----</p>
<p>Of the %rostertitle% used, how much did you purchase? (on %plotroster_s3% in SEASON C)</p> <p>QUANTITY IN %C_17b_s3%</p> <p>E C_17a_s3>0 V1 self<=C_17a_s3 M1 Cannot exceed total used</p>	<p>NUMERIC: DECIMAL C_17a1_s3</p> <p>-----</p>
<p>How much did you spend?</p> <p>I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS E C_17a1_s3>0</p>	<p>NUMERIC: DECIMAL C_17f_s3</p> <p>-----</p>
<p>How much did you spend to transport %rostertitle%?</p> <p>I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS E C_17a1_s3>0</p>	<p>NUMERIC: INTEGER C_17g_s3</p> <p>-----</p>
<p>Did you use any inorganic fertilizer on the %plotroster_s3% plot during SEASON C?</p>	<p>SINGLE-SELECT C_18_s3</p> <p>01 <input type="radio"/> YES 00 <input type="radio"/> NO</p>

What types of inorganic fertiliser did you use? (on %plotroster_s3% in SEASON C)

MULTI-SELECT C_19_s3

001 NPK

002 UREA

003 DAP

004 LIME

999 OTHER INORGANIC FERTILIZER

I SELECT ALL THAT APPLIES

E C_18_s3==1

Please specify other types of inorganic fertilizer

TEXT C_19oth_s3

E C_19_s3.Contains(999)

J. SEASON C / PARCEL / PLOT / PRODUCTION INPUTS

Roster: INORGANIC FERTILIZER

generated by multi-select question [C_19_s3](#)

inorgfertilizer_s3

How much %rostertitle% did you use? (on %plotroster_s3% in SEASON C)

NUMERIC: DECIMAL C_20a_s3

I QUANTITY

V1 self>0

M1 Respondent stated to have used %rostertitle% during SEASON C on plot %plotroster_s3%. Therefore quantity must be larger than zero.

UNIT

SINGLE-SELECT C_20b_s3

01 KG

02 TON

03 GRAM

04 BAGS

05 LITER

06 MILLILITER

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL C_20c_s3

E C_20b_s3==4

Of the %rostertitle% used, how much did you purchase? (on %plotroster_s3% in SEASON C)

NUMERIC: INTEGER C_20a1_s3

[QUANTITY IN %C_20b_s3%](#)

E C_20a_s3>0

V1 self<=C_20a_s3

M1 Cannot exceed total used

How much did you spend?

NUMERIC: INTEGER

C_20f_s3

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS
E C_20a1_s3>0

How much did you spend to transport
%rostertitle%?

NUMERIC: INTEGER

C_20g_s3

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS
E C_20a1_s3>0

STATIC TEXT

WEED AND PEST CONTROL

How many complete weedings did you do
on the %plotroster_s3% plot during
SEASON C?

NUMERIC: INTEGER

C_26_s3

I NUMBER IF NEVER WEEDED, ENTER ZERO

Did you use any pesticides / herbicides on
the %plotroster_s3% plot during SEASON
C?

SINGLE-SELECT

C_28_s3

01 YES

00 NO

How much pesticides / herbicides did you
use? (on %plotroster_s3% in SEASON
C)?

NUMERIC: DECIMAL

C_30a_s3

I QUANTITY
E C_28_s3==1

UNIT

SINGLE-SELECT

C_30b_s3

E C_28_s3==1

01 KG

02 TON

03 GRAM

04 BAGS

05 LITER

06 MILLILITER

07 CANISTER/BUCKET
(LIQUID)

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

C_30c1_s3

E C_30b_s3==4

How many LITERS does ONE
CANISTER/BUCKET (LIQUID) contain?

NUMERIC: DECIMAL

C_30c2_s3

E C_30b_s3==7

Of the pesticides / herbicides used, how much did you purchase? (on %plotroster_s3% in SEASON C)?

QUANTITY IN %C_30b_s3%

E C_30a_s3>0

V1 self<=C_30a_s3

M1 Cannot exceed total used

NUMERIC: DECIMAL

C_30a1_s3

How much did you spend?

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E C_28_s3==1

NUMERIC: INTEGER

C_30f_s3

How much did you spend to transport the purchased pesticides / herbicides?

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E C_28_s3==1 && C_30f_s3>0

NUMERIC: INTEGER

C_30g_s3

STATIC TEXT

LABOR

How many days of family labor were worked on the %plotroster_s3% plot during SEASON C?

I PERSON DAYS

V1 self.InRange(0, 500)

M1 This seems unlikely. Please check.

NUMERIC: DECIMAL

C_32a_s3

How many days of exchange / free labor were worked on the %plotroster_s3% plot during SEASON C?

I PERSON DAYS

V1 self.InRange(0, 500)

M1 This seems unlikely. Please check.

NUMERIC: DECIMAL

C_32b_s3

How many days of hired labor were worked on the %plotroster_s3% plot during SEASON C?

I PERSON DAYS

V1 self.InRange(0, 500)

M1 This seems unlikely. Please check.

NUMERIC: DECIMAL

C_32c_s3

What was the total cost, in cash and in kind, for the days of hired labor on the %plotroster_s3% plot during SEASON C?

NUMERIC: INTEGER

C_32d_s3

I VALUE (RWF) Approximate the value to RWF if it was paid in-kind

E C_32c_s3>0

J. SEASON C / PARCEL / PLOT

Roster: SEEDS & HARVEST

generated by multi-select question C_7_s3

crop_0_s3

How much seeds did you plant for %rostertitle% on the %plotroster_s3% plot during SEASON C?

NUMERIC: DECIMAL

D_2a_s3

I QUANTITY

UNIT OF SEEDS

E D_2a_s3>0

SINGLE-SELECT

D_2b_s3

- 01 KG
 02 TON
 03 GRAM
 04 BAGS
 05 Seedlings
 06 Stems
 07 Tubes
 08 Roots

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

D_2c_s3

E D_2b_s3==4

Of the seeds used, how much did you purchase? (for %rostertitle% on %plotroster_s3% in SEASON C)

NUMERIC: DECIMAL

D_2a1_s3

QUANTITY IN %D_2b_s3%

I QUANTITY

E D_2a_s3>0

V1 self<=D_2a_s3

M1 Cannot exceed total used

How much did you spend?

NUMERIC: INTEGER

D_2e_s3

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E D_2a1_s3>0

<p>How much did you spend to transport %rostertitle%?</p> <p>I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS E D_2e_s3>0</p>	<p>NUMERIC: INTEGER D_2d_s3</p> <p>-----</p>
<p>How much %rostertitle% did you harvest from %plotroster_s3% during SEASON C?</p> <p>I QUANTITY If they are using different units, ask them to approximate it in KG</p>	<p>NUMERIC: DECIMAL D_4a_s3</p> <p>-----</p>
<p>UNIT OF HARVEST</p>	<p>SINGLE-SELECT D_4b_s3</p> <p>01 <input type="radio"/> KG 02 <input type="radio"/> TON 03 <input type="radio"/> GRAM 04 <input type="radio"/> BAGS</p>
<p>How many KGs does <u>ONE BAG</u> contain?</p> <p>E D_4b_s3==4</p>	<p>NUMERIC: DECIMAL D_4c_s3</p> <p>-----</p>
<p>Condition of harvest</p> <p>E D_4a_s3>0</p>	<p>SINGLE-SELECT D_4d_s3</p> <p>01 <input type="radio"/> Shelled 02 <input type="radio"/> Unshelled 03 <input type="radio"/> Not applicable</p>
<p>VARIABLE</p> <p>D_4b_s3.InList(1,2,3) ? D_4a_s3*WeightConv[(int)D_4b_s3].factor : D_4a_s3*D_4c_s3</p>	<p>DOUBLE stand_harvests3</p>
<p>Was the area harvested less than the area planted?</p>	<p>SINGLE-SELECT D_5_s3</p> <p>01 <input type="radio"/> YES 02 <input type="radio"/> NO</p>
<p>Why was the area harvested less than the area planted?</p> <p>I SELECT ONE E D_5_s3==1</p>	<p>SINGLE-SELECT D_6_s3</p> <p>001 <input type="radio"/> Drought 002 <input type="radio"/> Irregular Rains 003 <input type="radio"/> Floods 004 <input type="radio"/> Landslides 005 <input type="radio"/> Fire 006 <input type="radio"/> Insects 007 <input type="radio"/> Animals 008 <input type="radio"/> Disease 009 <input type="radio"/> Theft 999 <input type="radio"/> Other, Specify</p>
<p>Please specify the reason</p> <p>E D_6_s3==999</p>	<p>TEXT D_6oth_s3</p> <p>-----</p>

CROP USES AND SALES

J. SEASON C

Roster: USES & SALES

generated by fixed list

crop_s3

00001 Maize
 00002 Rice
 00003 Sorghum
 00004 Millet
 00005 Wheat
 00006 Beans
 00007 Peas
 00011 Irish Potatoes
 00012 Sweet Potatoes
 00013 Yams & Taro
 00014 Tomatoes
 00015 Cabbage
 00016 Onion
 00017 Carrot
 00018 Garlic
 00019 Hot Peppers
 00020 Eggplant
 00021 Sunflower
 00022 Pyrethrum
 00023 Flowers
 00024 Soya
 00025 Pumpkin
 00999 Other Crops
 09999 Other vegetables
 99999 Other fruits

E parcelroster3.Any(p=>p.plotroster_s3.where(x=>x. B_10_s3==1).Any(c=>c.C_7_s3.Contains(@rowcode)))

VARIABLE

parcelroster3.Sum(y=>y.plotroster_s3.where(x=>x.C_7_s3!=null && x.C_7_s3.Contains(@rowcode)).Sum(p=>p.crop_0_s3[@rowcode].stand_harvests3))

DOUBLE

stand_harvestcrops3

STATIC TEXT

CROP sales

Did you sell any of the %rostertitle% harvested during SEASON C?

SINGLE-SELECT

E_1_s3

01 YES02 NO

J. SEASON C / USES & SALES

SALES

E E_1_s3==1

How much of the %rostertitle% harvested during SEASON C was sold in total?

NUMERIC: DECIMAL

E_2a_s3

I QUANTITY If they are using different units, ask them to approximate in KG

UNIT OF SALES

SINGLE-SELECT

E_2b_s3

E E_2a_s3>0

01 KG02 TON03 GRAM04 BAGS

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

E_2c_s3

E E_2b_s3==4

Condition of sales

SINGLE-SELECT

E_2d_s3

E E_2a_s3>0

01 Shelled02 Unshelled03 Not applicable

VARIABLE

$E_{2b_s3} \text{.InList}(1,2,3) ? E_{2a_s3} * \text{WeightConv}[(\text{int})E_{2b_s3}].\text{factor} : E_{2a_s3} * E_{2c_s3}$

DOUBLE

stand_sales3

STATIC TEXT

E stand_harvestcrops3<stand_sales3

THE TOTAL AMOUNT OF SALES IS LARGER THAN THE TOTAL AMOUNT OF %rostertitle% HARVESTED DURING SEASON C

PLEASE CHECK HARVEST OR THE TOTAL AMOUNT OF SALES.

What was the total value of all sales of %rostertitle% harvested during SEASON C?

NUMERIC: INTEGER

E_3_s3

I VALUE (RWF)

E E_2a_s3>0

How much in total did you pay to be able to sell %rostertitle% (for example towards transport, middle men, obtaining information, etc.)?

NUMERIC: INTEGER E_1a_s3

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS
E E_1_s3==1

Now I would like you to think about the largest transaction you made to sell the %rostertitle% harvested during SEASON C.

NUMERIC: DECIMAL E_5a_1_s3

How much did you sell in this transaction?

IN %E_2b_s3%

E E_2a_s3>0

Condition of the largest transaction sale

SINGLE-SELECT E_5d_1_s3

E E_5a_1_s3>0

- 01 Shelled
- 02 Unshelled
- 03 Not applicable

VARIABLE

DOUBLE stand_largestsales3

E_2b_s3.InList(1,2,3) ? E_5a_1_s3*WeightConv [(int)E_2b_s3].factor : E_5a_1_s3 *E_2c_s3

STATIC TEXT

E stand_sales3<stand_largestsales3

THE SALES IN THE LARGEST TRANSACTION IS LARGER THAN THE TOTAL AMOUNT OF %rostertitle% SOLD DURING SEASON C

PLEASE CHECK THE LARGEST TRANSACTION SALES OR THE TOTAL AMOUNT OF SALES.

What type of buyer made the purchase?

SINGLE-SELECT E_6_s3

E E_5a_1_s3>0

- 000 Cooperative
- 001 Other households for their own use
- 002 Small-scale trader
- 003 Large-scale trader / wholesaler
- 004 Miller / Processor
- 005 Direct retailer
- 006 Restaurant
- 007 Institution (Church, Hospital, School, other)
- 008 NGO
- 009 Government Agency
- 999 Other, Specify

Please specify the type of buyer	TEXT	E_6oth_s3
E E_6_s3==999	.....
Where did the transaction take place?	SINGLE-SELECT	E_7_s3
E E_5a_1_s3>0	001 <input type="radio"/> Farm gate (home) 002 <input type="radio"/> Village Market (within own village) 003 <input type="radio"/> Village Market (outside own village) 004 <input type="radio"/> Kigali 999 <input type="radio"/> Other, Specify	
Please specify the location of the largest transaction	TEXT	E_7oth_s3
E E_7_s3==999	.....
How long did it take to transport the %rostertitle% to the market?	NUMERIC: INTEGER	E_8a_s3
I NUMBER E E_7_s3>1	-----	
UNIT	SINGLE-SELECT	E_8b_s3
E E_8a_s3>0	01 <input type="radio"/> MINUTES 02 <input type="radio"/> HOURS	
What was the main mode of transport used?	SINGLE-SELECT	E_8c_s3
E E_7_s3>1	001 <input type="radio"/> ON FOOT 002 <input type="radio"/> BICYCLE 003 <input type="radio"/> ANIMAL DRAWN CART 004 <input type="radio"/> TAXI / BUS 005 <input type="radio"/> LORRY / TRUCK 006 <input type="radio"/> Motorcycle 007 <input type="radio"/> WHEELBARROW 999 <input type="radio"/> OTHER, SPECIFY	
Please specify the main mode of transport used	TEXT	E_8coth_s3
E E_8c_s3==999	.....
What was the total value of this transaction?	NUMERIC: INTEGER	E_9_s3
I VALUE (RWF) VALUE OF IN-KIND TRANSACTIONS SHOULD BE ESTIMATED E E_5a_1_s3>0 V1 E_3_s3>=se1f M1 The total value of the largest transaction can't exceed the total value of sales. Please check!	-----	

Were there any other transactions to sell the %rostertitle% harvested during SEASON C?

SINGLE-SELECT

E_10_s3

01 YES02 NO

E E_2a_s3>E_5a_1_s3

How many?

NUMERIC: INTEGER

E_11_s3

E E_10_s3==1

V1 self.InRange(1, 50)

M1 This seems unlikely. Please check.

J. SEASON C / USES & SALES

CROP USES

How much of the %rostertitle% harvested during SEASON C was consumed by your household?

NUMERIC: DECIMAL

E_12a_s3

I QUANTITY If they are using different units, ask them to approximate it in KG

UNIT OF the household consumption

SINGLE-SELECT

E_12b_s3

E E_12a_s3>0

01 KG02 TON03 GRAM04 BAGS

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

E_12c_s3

E E_12b_s3==4

Condition of the household consumption

SINGLE-SELECT

E_12d_s3

E E_12a_s3>0

01 Shelled02 Unshelled03 Not applicable

VARIABLE

E_12b_s3.InList(1,2,3) ? E_12a_s3*weightConv [(int)E_12b_s3].factor : E_12a_s3*E_12c_s3

DOUBLE

standuse_homes3

How much of the %rostertitle% harvested during SEASON C was given out as payments?

NUMERIC: DECIMAL

E_13a_s3

I QUANTITY If they are using different units, ask them to approximate it in KG

<p>UNIT OF the amount that was given out as payments</p> <p>E E_13a_s3>0</p>	<p>SINGLE-SELECT E_13b_s3</p> <p>01 <input type="radio"/> KG</p> <p>02 <input type="radio"/> TON</p> <p>03 <input type="radio"/> GRAM</p> <p>04 <input type="radio"/> BAGS</p>
<p>How many KGs does <u>ONE BAG</u> contain?</p> <p>E E_13b_s3==4</p>	<p>NUMERIC: DECIMAL E_13c_s3</p> <p>-----</p>
<p>Condition of the amount that was given out as payments</p> <p>E E_13a_s3>0</p>	<p>SINGLE-SELECT E_13d_s3</p> <p>01 <input type="radio"/> Shelled</p> <p>02 <input type="radio"/> Unshelled</p> <p>03 <input type="radio"/> Not applicable</p>
<p>VARIABLE</p> <p>E_13b_s3.InList(1,2,3) ? E_13a_s3*WeightConv [(int)E_13b_s3].factor : E_13a_s3*E_13c_s3</p>	<p>DOUBLE standuse_payments3</p>
<p>How much of the %rostartitle% harvested during SEASON C was lost to rotting, insects, rodents, theft, etc in the post-harvest period?</p> <p>I QUANTITY If they are using different units, ask them to approximate it in KG</p>	<p>NUMERIC: DECIMAL E_14a_s3</p> <p>-----</p>
<p>UNIT OF the amount that was lost to rotting, insects, rodents, theft, etc in the post-harvest period</p> <p>E E_14a_s3>0</p>	<p>SINGLE-SELECT E_14b_s3</p> <p>01 <input type="radio"/> KG</p> <p>02 <input type="radio"/> TON</p> <p>03 <input type="radio"/> GRAM</p> <p>04 <input type="radio"/> BAGS</p>
<p>How many KGs does <u>ONE BAG</u> contain?</p> <p>E E_14b_s3==4</p>	<p>NUMERIC: DECIMAL E_14c_s3</p> <p>-----</p>
<p>Condition of the amount that was lost to rotting, insects, rodents, theft, etc in the post-harvest period</p> <p>E E_14a_s3>0</p>	<p>SINGLE-SELECT E_14d_s3</p> <p>01 <input type="radio"/> Shelled</p> <p>02 <input type="radio"/> Unshelled</p> <p>03 <input type="radio"/> Not applicable</p>
<p>VARIABLE</p> <p>E_14b_s3.InList(1,2,3) ? E_14a_s3*WeightConv [(int)E_14b_s3].factor : E_14a_s3*E_14c_s3</p>	<p>DOUBLE standuse_loss3</p>

What was the reason for loss?	MULTI-SELECT	E_15_s3
E E_14a_s3>0	001 <input type="checkbox"/> ROTTING 002 <input type="checkbox"/> INSECTS 003 <input type="checkbox"/> ANIMAL DAMAGE 004 <input type="checkbox"/> FLOOD / WATERLOGGING 005 <input type="checkbox"/> THEFT 999 <input type="checkbox"/> OTHER, SPECIFY	
Please specify the reason for loss	TEXT	E_15oth_s3
E E_15_s3.Contains(999)	.....
VARIABLE new[] {standuse_homes3, standuse_payments3, standuse_loss3}.Sum()	DOUBLE	sum_uses3

STATIC TEXT

E stand_harvestcrops3<sum_uses3

THE TOTAL %rosteritle% USE FOR HOUSEHOLD CONSUMPTION AND PAYMENTS AS WELL AS THE LOST AMOUNT OF %rosteritle% IS LARGER THAN THE TOTAL AMOUNT OF %rosteritle% HARVESTED DURING SEASON C

PLEASE CHECK HARVEST OR THIS USE SECTION.

K. PERENNIAL CROPS

STATIC TEXT

[ENUMERATOR: CONVEY THE FOLLOWING STATEMENT TO THE RESPONDENT:]

STATIC TEXT

Now I would like to start talking about your plot details and agricultural activities about the perennial crops and trees.

K. PERENNIAL CROPS

Roster: PARCEL

generated by list question [A_2](#)

parcelrosterp

E A_14>0

K. PERENNIAL CROPS / PARCEL

Roster: PLOT

generated by list question [plotid_tp](#)

plotroster_sp

Which trees / permanent crops were harvested from the %rostertitle% plot during the last 12 months?

I SELECT UP TO FIVE

MULTI-SELECT C_7_sp

00001 Coffee

00002 Tea

00003 Passion Fruit

00004 Pineapple

00005 Avocado

00006 Mango

00007 Banana

00008 Cooking Bananas

00009 Citrus

00010 Papaya

00011 Orange

00012 Lemon

00013 Apple

00014 Coconut

00015 Pomegranate

00016 Tamarillo

[And 5 other symbols \[8\]](#)

Please specify other crops

E C_7_sp.Contains(999)

LIST C_7oth1_sp

.....

Please specify other vegetables

E C_7_sp.Contains(9999)

LIST C_7oth2_sp

.....

Please specify other fruits

E C_7_sp.Contains(99999)

LIST C_7oth3_sp

.....

K. PERENNIAL CROPS / PARCEL / PLOT

Roster: PLOT

generated by multi-select question [C_7_sp](#)

roster_perencrop

Is the %rostertitle% planted in a dedicated area, or spread throughout the %plotroster_sp% plot?

SINGLE-SELECT c0_sp

01 Dedicated Area

02 Spread Throughout

Approximately how much of the %plotroster_sp% plot was/is planted with %rostertitle% ?

SINGLE-SELECT c2_sp

01 Less than 1/4

02 1/4

03 1/2

04 3/4

05 More than 3/4

How many %roster_tittle% (trees) are placed on the %plotroster_sp% plot?

NUMERIC: INTEGER

c1_sp

I IF THE CROP IS CASSAVA OR SIMILAR, SKIP THIS QUESTION

V1 self > 0

M1 Respondent said that this plot is planted with this crop. Quantity must be larger than zero.

In what year were most of these %roster_tittle% planted on the %plotroster_sp% plot?

NUMERIC: INTEGER

c3_sp

I YEAR IF DONT KNOW ENTER 888

V1 self.InRange(1850,2017) || self==888

M1 This year seems unlikely. Please check.

How many %roster_tittle% were planted on the %plotroster_sp% plot during the last 12 months?

NUMERIC: INTEGER

c4_sp

I NUMBER OF PLANTED CROP

K. PERENNIAL CROPS / PARCEL / PLOT PRODUCTION INPUTS

STATIC TEXT

FERTILIZER

Did you use any organic fertilizer on the %plotroster_sp% plot during the last 12 months?

SINGLE-SELECT

C_15_sp

01 YES00 NO

What type of organic fertiliser did you use? (on %plotroster_sp%)

MULTI-SELECT

C_16_sp

I SELECT ALL THAT APPLIES

E C_15_sp==1

001 ANIMAL MANURE (FERMENTED)002 FRESH/GREEN MANURE (NON FERMENTED MANURE)003 COMPOST999 OTHER ORGANIC FERTILIZER

Please specify the type of organic fertiliser was used on plot %plotroster_sp%

TEXT

C_16oth_sp

E C_16_sp.Contains(999)

K. PERENNIAL CROPS / PARCEL / PLOT / PRODUCTION INPUTS

Roster: ORGANIC FERTILIZER

generated by multi-select question [C_16_sp](#)

organfert_sp

How much %rostertitle% did you use during the last 12 months? (on %plotroster_sp%)

NUMERIC: DECIMAL

C_17a_sp

I Quantity

V1 self>0

M1 Respondent stated to have used %rostertitle% . Therefore must be larger than zero.

UNIT

SINGLE-SELECT

C_17b_sp

- 01 KG
 02 TON
 03 GRAM
 04 BAGS
 05 LITER
 06 MILLILITER

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

C_17c_sp

E C_17b_sp==4

Of the %rostertitle% used, how much did you purchase? (on %plotroster_sp%)

NUMERIC: DECIMAL

C_17a1_sp

[QUANTITY IN %C_17b_sp%](#)

E C_17a_sp>0

V1 self<=C_17a_sp

M1 Cannot exceed total used

How much did you spend?

NUMERIC: DECIMAL

C_17f_sp

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E C_17a1_sp>0

How much did you spend to transport %rostertitle%?

NUMERIC: INTEGER

C_17g_sp

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E C_17a1_sp>0

Did you use any inorganic fertilizer on the %plotroster_sp% plot during the last 12 months?

SINGLE-SELECT

C_18_sp

- 01 YES
 00 NO

What types of inorganic fertiliser did you use? (on %plotroster_sp%)

I SELECT ALL THAT APPLIES

E C_18_sp==1

MULTI-SELECT

C_19_sp

- 001 NPK
 002 UREA
 003 DAP
 004 LIME
 999 OTHER INORGANIC FERTILIZER

Please specify other types of inorganic fertilizer

TEXT

C_19oth_sp

E C_19_sp.Contains(999)

K. PERENNIAL CROPS / PARCEL / PLOT / PRODUCTION INPUTS

Roster: INORGANIC FERTILIZER

generated by multi-select question [C_19_sp](#)

inorgfertilizer_sp

How much %rostertitle% did you use during the last 12 months? (on %plotroster_sp%)

NUMERIC: DECIMAL

C_20a_sp

I QUANTITY

V1 self>0

M1 Respondent stated to have used %rostertitle% on plot %plotroster_sp%. Therefore quantity must be larger than zero.

UNIT

SINGLE-SELECT

C_20b_sp

- 01 KG
 02 TON
 03 GRAM
 04 BAGS
 05 LITER
 06 MILLILITER

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

C_20c_sp

E C_20b_sp==4

Of the %rostertitle% used, how much did you purchase? (on %plotroster_sp%)

NUMERIC: INTEGER

C_20a1_sp

[QUANTITY IN %C_20b_sp%](#)

E C_20a_sp>0

V1 self<=C_20a_sp

M1 Cannot exceed total used

How much did you spend?

NUMERIC: INTEGER

C_20f_sp

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E C_20a1_sp>0

How much did you spend to transport
%rostertitle%?

NUMERIC: INTEGER

C_20g_sp

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS
E C_20a1_sp>0

STATIC TEXT

WEED AND PEST CONTROL

How many complete weedings did you do
on the %plotroster_sp% plot during the last
12 months?

NUMERIC: INTEGER

C_26_sp

I NUMBER IF NEVER WEEDED, ENTER ZERO

Did you use any pesticides / herbicides on
the %plotroster_sp% plot during the last 12
months?

SINGLE-SELECT

C_28_sp

01 YES00 NO

How much pesticides / herbicides did you
use? (on %plotroster_sp%)?

NUMERIC: DECIMAL

C_30a_sp

I QUANTITY
E C_28_sp==1

UNIT

SINGLE-SELECT

C_30b_sp

E C_28_sp==1

01 KG02 TON03 GRAM04 BAGS05 LITER06 MILLILITER07 CANISTER/BUCKET
(LIQUID)

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

C_30c1_sp

E C_30b_sp==4

How many LITERS does ONE
CANISTER/BUCKET (LIQUID) contain?

NUMERIC: DECIMAL

C_30c2_sp

E C_30b_sp==7

Of the pesticides / herbicides used, how much did you purchase? (on %plotroster_sp%)?

QUANTITY IN %C_30b_sp%

E C_30a_sp>0

V1 self<=C_30a_sp

M1 Cannot exceed total used

NUMERIC: DECIMAL

C_30a1_sp

How much did you spend?

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E C_28_sp==1

NUMERIC: INTEGER

C_30f_sp

How much did you spend to transport the purchased pesticides / herbicides?

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E C_28_sp==1 && C_30f_sp>0

NUMERIC: INTEGER

C_30g_sp

STATIC TEXT

LABOR

How many days of family labor were worked on the %plotroster_sp% plot during the last 12 months?

I PERSON DAYS

V1 self.InRange(0, 500)

M1 This seems unlikely. Please check.

NUMERIC: DECIMAL

C_32a_sp

How many days of exchange / free labor were worked on the %plotroster_sp% plot during the last 12 months?

I PERSON DAYS

V1 self.InRange(0, 500)

M1 This seems unlikely. Please check.

NUMERIC: DECIMAL

C_32b_sp

How many days of hired labor were worked on the %plotroster_sp% plot during the last 12 months?

I PERSON DAYS

V1 self.InRange(0, 500)

M1 This seems unlikely. Please check.

NUMERIC: DECIMAL

C_32c_sp

What was the total cost, in cash and in kind, for the days of hired labor on the %plotroster_sp% plot during the last 12 months?

NUMERIC: INTEGER

C_32d_sp

I VALUE (RWF) Approximate the value to RWF if it was paid in-kind

E C_32c_sp>0

K. PERENNIAL CROPS / PARCEL / PLOT

Roster: SEEDS & HARVEST

generated by multi-select question C_7_sp

crop_0_sp

How much seeds did you plant for %rostertitle% from %plotroster_sp% during the last 12 months?

NUMERIC: DECIMAL

D_2a_sp

I QUANTITY

UNIT OF SEEDS

SINGLE-SELECT

D_2b_sp

E D_2a_sp>0

- 01 KG
 02 TON
 03 GRAM
 04 BAGS
 05 Seedlings
 06 Stems
 07 Tubes
 08 Roots

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

D_2c_sp

E D_2b_sp==4

Of the seeds used, how much did you purchase? (for %rostertitle% on %plotroster_sp%)

NUMERIC: DECIMAL

D_2a1_sp

QUANTITY IN %D_2b_sp%

I QUANTITY

E D_2a_sp>0

V1 self<=D_2a_sp

M1 Cannot exceed total used

How much did you spend?

NUMERIC: INTEGER

D_2e_sp

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E D_2a1_sp>0

<p>How much did you spend to transport %rostertitle%?</p> <p>I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS E D_2e_sp>0</p>	<p>NUMERIC: INTEGER D_2d_sp</p> <p>-----</p>
<p>How much %rostertitle% did you harvest from %plotroster_sp% during the last 12 months?</p> <p>I QUANTITY If they are using different units, ask them to approximate it in KG</p>	<p>NUMERIC: DECIMAL D_4a_sp</p> <p>-----</p>
<p>UNIT OF HARVEST</p>	<p>SINGLE-SELECT D_4b_sp</p> <p>01 <input type="radio"/> KG 02 <input type="radio"/> TON 03 <input type="radio"/> GRAM 04 <input type="radio"/> BAGS</p>
<p>How many KGs does <u>ONE BAG</u> contain?</p> <p>E D_4b_sp==4</p>	<p>NUMERIC: DECIMAL D_4c_sp</p> <p>-----</p>
<p>Condition of harvest</p> <p>E D_4a_sp>0</p>	<p>SINGLE-SELECT D_4d_sp</p> <p>01 <input type="radio"/> Shelled 02 <input type="radio"/> Unshelled 03 <input type="radio"/> Not applicable</p>
<p>VARIABLE</p> <p>D_4b_sp.InList(1,2,3) ? D_4a_sp*WeightConv[(int)D_4b_sp].factor : D_4a_sp*D_4c_sp</p>	<p>DOUBLE stand_harvestsp</p>
<p>Was the area harvested less than the area planted during the last 12 months?</p>	<p>SINGLE-SELECT D_5_sp</p> <p>01 <input type="radio"/> YES 02 <input type="radio"/> NO</p>
<p>Why was the area harvested less than the area planted?</p> <p>I SELECT ONE E D_5_sp==1</p>	<p>SINGLE-SELECT D_6_sp</p> <p>001 <input type="radio"/> Drought 002 <input type="radio"/> Irregular Rains 003 <input type="radio"/> Floods 004 <input type="radio"/> Landslides 005 <input type="radio"/> Fire 006 <input type="radio"/> Insects 007 <input type="radio"/> Animals 008 <input type="radio"/> Disease 009 <input type="radio"/> Theft 999 <input type="radio"/> Other, Specify</p>
<p>Please specify the reason</p> <p>E D_6_sp==999</p>	<p>TEXT D_6oth_sp</p> <p>.....</p>

CROP USES AND SALES

K. PERENNIAL CROPS
Roster: USES & SALES

generated by fixed list

crop_sp

- 00001 Coffee
- 00002 Tea
- 00003 Passion Fruit
- 00004 Pineapple
- 00005 Avocado
- 00006 Mango
- 00007 Banana
- 00008 Cooking Bananas
- 00009 Citrus
- 00010 Papaya
- 00011 Orange
- 00012 Lemon
- 00013 Apple
- 00014 Coconut
- 00015 Pomegranate
- 00016 Tamarillo
- 00017 Cassava
- 00018 Sugarcane
- 00999 Other Crops
- 09999 Other vegetables
- 99999 Other fruits

E parcelroster3.Any(p=>p.plotroster_sp.Any(c=>c.C_7_sp.Contains(@rowcode)))

VARIABLE parcelroster3.Sum(y=>y.plotroster_sp.where(x=>x.C_7_sp!=null && x.C_7_sp.Contains(@rowcode)).Sum(p=>p.crop_0_sp[@rowcode].stand_harvestsp))	DOUBLE stand_harvestcropsp
---	---

STATIC TEXT

CROP sales

Did you sell any of the %rostertitle% harvested during the last 12 months?

- SINGLE-SELECT
- 01 YES
 - 02 NO

E_1_sp

K. PERENNIAL CROPS / USES & SALES

SALES

E E_1_sp==1

How much of the %rostartitle% harvested was sold in total?

NUMERIC: DECIMAL

E_2a_sp

I QUANTITY If they are using different units, ask them to approximate in KG

UNIT OF SALES

SINGLE-SELECT

E_2b_sp

E E_2a_sp>0

- 01 KG
 02 TON
 03 GRAM
 04 BAGS

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

E_2c_sp

E E_2b_sp==4

Condition of sales

SINGLE-SELECT

E_2d_sp

E E_2a_sp>0

- 01 Shelled
 02 Unshelled
 03 Not applicable

VARIABLE

DOUBLE

stand_salesp

$E_{2b_sp} \cdot \text{InList}(1,2,3) ? E_{2a_sp} * \text{weightConv}[(\text{int})E_{2b_sp}].\text{factor} : E_{2a_sp} * E_{2c_sp}$

STATIC TEXT

E stand_harvestcropsp<stand_salesp

THE TOTAL AMOUNT OF SALES IS LARGER THAN THE TOTAL AMOUNT OF %rostartitle% HARVESTED

PLEASE CHECK HARVEST OR THE TOTAL AMOUNT OF SALES.

What was the total value of all sales of %rostartitle% harvested during the last 12 months?

NUMERIC: INTEGER

E_3_sp

I VALUE (RWF)

E E_2a_sp>0

How much in total did you pay to be able to sell %rostartitle% (for example towards transport, middle men, obtaining information, etc.)?

NUMERIC: INTEGER

E_1a_sp

I VALUE (RWF) ESTIMATE VALUE OF IN-KIND PAYMENTS

E E_1_sp==1

Now I would like you to think about the largest transaction you made to sell the %rostertitle% harvested during the last 12 months.

How much did you sell in this transaction?

IN %E_2b_sp%

E E_2a_sp>0

NUMERIC: DECIMAL E_5a_1_sp

Condition of the largest transaction sale

E E_5a_1_sp>0

SINGLE-SELECT E_5d_1_sp

- 01 Shelled
- 02 Unshelled
- 03 Not applicable

VARIABLE
 E_2b_sp.InList(1,2,3) ? E_5a_1_sp*WeightConv
 [(int)E_2b_sp].factor : E_5a_1_sp *E_2c_sp

DOUBLE stand_largestsalesp

STATIC TEXT

E stand_salesp<stand_largestsalesp

THE SALES IN THE LARGEST TRANSACTION IS LARGER THAN THE TOTAL AMOUNT OF %rostertitle% SOLD

PLEASE CHECK THE LARGEST TRANSACTION SALES OR THE TOTAL AMOUNT OF SALES.

What type of buyer made the purchase?

E E_5a_1_sp>0

SINGLE-SELECT E_6_sp

- 000 Cooperative
- 001 Other households for their own use
- 002 Small-scale trader
- 003 Large-scale trader / wholesaler
- 004 Miller / Processor
- 005 Direct retailer
- 006 Restaurant
- 007 Institution (Church, Hospital, School, other)
- 008 NGO
- 009 Government Agency
- 999 Other, Specify

Please specify the type of buyer

E E_6_sp==999

TEXT E_60th_sp

Where did the transaction take place?	SINGLE-SELECT E_7_sp
E E_5a_1_sp>0	001 <input type="radio"/> Farm gate (home) 002 <input type="radio"/> Village Market (within own village) 003 <input type="radio"/> Village Market (outside own village) 004 <input type="radio"/> Kigali 999 <input type="radio"/> Other, Specify
Please specify the location of the largest transaction	TEXT E_7oth_sp
E E_7_sp==999	.....
How long did it take to transport the %rostertitle% to the market?	NUMERIC: INTEGER E_8a_sp
I NUMBER E E_7_sp>1	-----
UNIT	SINGLE-SELECT E_8b_sp
E E_8a_sp>0	01 <input type="radio"/> MINUTES 02 <input type="radio"/> HOURS
What was the main mode of transport used?	SINGLE-SELECT E_8c_sp
E E_7_sp>1	001 <input type="radio"/> ON FOOT 002 <input type="radio"/> BICYCLE 003 <input type="radio"/> ANIMAL DRAWN CART 004 <input type="radio"/> TAXI / BUS 005 <input type="radio"/> LORRY / TRUCK 006 <input type="radio"/> Motorcycle 007 <input type="radio"/> WHEELBARROW 999 <input type="radio"/> OTHER, SPECIFY
Please specify the main mode of transport used	TEXT E_8coth_sp
E E_8c_sp==999	.....
What was the total value of this transaction?	NUMERIC: INTEGER E_9_sp
I VALUE (RWF) VALUE OF IN-KIND TRANSACTIONS SHOULD BE ESTIMATED E E_5a_1_sp>0 V1 E_3_sp>=self M1 The total value of the largest transaction can't exceed the total value of sales. Please check!	-----

Were there any other transactions to sell the %rostertitle% harvested?

SINGLE-SELECT

E_10_sp

01 YES02 NO

E E_2a_sp>E_5a_1_sp

How many?

NUMERIC: INTEGER

E_11_sp

E E_10_sp==1

V1 self.InRange(1, 50)

M1 This seems unlikely. Please check.

K. PERENNIAL CROPS / USES & SALES

CROP USES

How much of the %rostertitle% harvested was consumed by your household during the last 12 months?

NUMERIC: DECIMAL

E_12a_sp

I QUANTITY If they are using different units, ask them to approximate it in KG

UNIT OF the household consumption

SINGLE-SELECT

E_12b_sp

E E_12a_sp>0

01 KG02 TON03 GRAM04 BAGS

How many KGs does ONE BAG contain?

NUMERIC: DECIMAL

E_12c_sp

E E_12b_sp==4

Condition of the household consumption

SINGLE-SELECT

E_12d_sp

E E_12a_sp>0

01 Shelled02 Unshelled03 Not applicable

VARIABLE

E_12b_sp.InList(1,2,3) ? E_12a_sp*WeightConv [(int)E_12b_sp].factor : E_12a_sp*E_12c_sp

DOUBLE

standuse_homesp

How much of the %rostertitle% harvested was given out as payments during the last 12 months?

NUMERIC: DECIMAL

E_13a_sp

I QUANTITY If they are using different units, ask them to approximate it in KG

<p>UNIT OF the amount that was given out as payments</p> <p>E E_13a_sp>0</p>	<p>SINGLE-SELECT E_13b_sp</p> <p>01 <input type="radio"/> KG</p> <p>02 <input type="radio"/> TON</p> <p>03 <input type="radio"/> GRAM</p> <p>04 <input type="radio"/> BAGS</p>
<p>How many KGs does <u>ONE BAG</u> contain?</p> <p>E E_13b_sp==4</p>	<p>NUMERIC: DECIMAL E_13c_sp</p> <p>-----</p>
<p>Condition of the amount that was given out as payments</p> <p>E E_13a_sp>0</p>	<p>SINGLE-SELECT E_13d_sp</p> <p>01 <input type="radio"/> Shelled</p> <p>02 <input type="radio"/> Unshelled</p> <p>03 <input type="radio"/> Not applicable</p>
<p>VARIABLE</p> <p>E_13b_sp.InList(1,2,3) ? E_13a_sp*WeightConv [(int)E_13b_sp].factor : E_13a_sp*E_13c_sp</p>	<p>DOUBLE standuse_paymentsp</p>
<p>How much of the %rostartitle% harvested was lost to rotting, insects, rodents, theft, etc in the post-harvest period?</p> <p>I QUANTITY If they are using different units, ask them to approximate it in KG</p>	<p>NUMERIC: DECIMAL E_14a_sp</p> <p>-----</p>
<p>UNIT OF the amount that was lost to rotting, insects, rodents, theft, etc in the post-harvest period</p> <p>E E_14a_sp>0</p>	<p>SINGLE-SELECT E_14b_sp</p> <p>01 <input type="radio"/> KG</p> <p>02 <input type="radio"/> TON</p> <p>03 <input type="radio"/> GRAM</p> <p>04 <input type="radio"/> BAGS</p>
<p>How many KGs does <u>ONE BAG</u> contain?</p> <p>E E_14b_sp==4</p>	<p>NUMERIC: DECIMAL E_14c_sp</p> <p>-----</p>
<p>Condition of the amount that was lost to rotting, insects, rodents, theft, etc in the post-harvest period</p> <p>E E_14a_sp>0</p>	<p>SINGLE-SELECT E_14d_sp</p> <p>01 <input type="radio"/> Shelled</p> <p>02 <input type="radio"/> Unshelled</p> <p>03 <input type="radio"/> Not applicable</p>
<p>VARIABLE</p> <p>E_14b_sp.InList(1,2,3) ? E_14a_sp*weightConv [(int)E_14b_sp].factor : E_14a_sp*E_14c_sp</p>	<p>DOUBLE standuse_lossp</p>

What was the reason for loss?	MULTI-SELECT	E_15_sp
E E_14a_sp>0	001 <input type="checkbox"/> ROTTING 002 <input type="checkbox"/> INSECTS 003 <input type="checkbox"/> ANIMAL DAMAGE 004 <input type="checkbox"/> FLOOD / WATERLOGGING 005 <input type="checkbox"/> THEFT 999 <input type="checkbox"/> OTHER, SPECIFY	
Please specify the reason for loss	TEXT	E_15oth_sp
E E_15_sp.Contains(999)	.....
VARIABLE new[] {standuse_homesp, standuse_paymentsp, standuse_lossp}.Sum()	DOUBLE	sum_usesp

STATIC TEXT

E stand_harvestcropsp<sum_usesp

THE TOTAL %rostertitle% USE FOR HOUSEHOLD CONSUMPTION AND PAYMENTS AS WELL AS THE LOST AMOUNT OF %rostertitle% IS LARGER THAN THE TOTAL AMOUNT OF %rostertitle% HARVESTED

PLEASE CHECK HARVEST OR THIS USE SECTION.

L. LIVESTOCK

Did you or anyone in your household own any livestock in the last 12 months?	SINGLE-SELECT	LS00
E LS00==1 V1 !(self.Missing.Any()) M1 Respondent has not yet answered all questions. Please continue until all questions have been asked.	01 <input type="radio"/> YES 02 <input type="radio"/> NO	
During the last 12 months, have you or any member of your household raised or owned any of the following?	MULTI-SELECT: YES/NO	LS01
	001 <input type="checkbox"/> / <input type="checkbox"/> COW 002 <input type="checkbox"/> / <input type="checkbox"/> OX 003 <input type="checkbox"/> / <input type="checkbox"/> DONKEY/MULE/HORSE 004 <input type="checkbox"/> / <input type="checkbox"/> GOAT/SHEEP 005 <input type="checkbox"/> / <input type="checkbox"/> PIG 006 <input type="checkbox"/> / <input type="checkbox"/> Rabbits 007 <input type="checkbox"/> / <input type="checkbox"/> Birds 999 <input type="checkbox"/> / <input type="checkbox"/> Other, specify	
Please list the other types of livestock your household have raised or owned	LIST	LS01oth
E LS01.Yes.Contains(999)	.....

L. LIVESTOCK

Roster: LIVESTOCK

generated by multi-select question [LS01](#)

Livestock

E @rowcode<999

<p>How many %roster% are owned by your household now?</p> <p>V1 self>0</p> <p>M1 Respondent stated that household owns %roster%. Quantity must therefore be larger than ZERO. Please check.</p>	<p>NUMERIC: INTEGER LS02</p> <p>-----</p>
<p>What was the total value of sales of alive or killed %roster% in <u>the last 12 months</u>?</p> <p>I VALUE (RWF)</p>	<p>NUMERIC: INTEGER LS07</p> <p>-----</p>

L. LIVESTOCK

Roster: LIVESTOCK

generated by list question [LS01oth](#)

Livestockoth

E LS01.Yes.Contains(999)

<p>How many %roster% are owned by your household now?</p> <p>V1 self>0</p> <p>M1 Respondent stated that household owns %roster%. Quantity must therefore be larger than ZERO. Please check.</p>	<p>NUMERIC: INTEGER LS02oth</p> <p>-----</p>
<p>What was the total value of sales of alive or killed %roster% in <u>the last 12 months</u>?</p> <p>I VALUE (RWF)</p>	<p>NUMERIC: INTEGER LS07oth</p> <p>-----</p>
<p>Did your household produce any of the following livestock products during <u>the last 12 months</u>?</p> <p>E LS00==1</p> <p>V1 !(self.Missing.Any())</p> <p>M1 Respondent has not yet answered all questions. Please continue until all questions have been asked.</p>	<p>MULTI-SELECT: YES/NO LSP01</p> <p>001 <input type="checkbox"/> / <input type="checkbox"/> Milk Products</p> <p>002 <input type="checkbox"/> / <input type="checkbox"/> Eggs</p> <p>003 <input type="checkbox"/> / <input type="checkbox"/> Skins/Hides/Wool (animal hair)</p> <p>004 <input type="checkbox"/> / <input type="checkbox"/> Bees products</p> <p>005 <input type="checkbox"/> / <input type="checkbox"/> Manure</p> <p>999 <input type="checkbox"/> / <input type="checkbox"/> Others, please specify</p>
<p>Please list the other types of livestock products</p> <p>E LSP01.Yes.Contains(999)</p>	<p>LIST LSP01oth</p> <p>-----</p>

L. LIVESTOCK

Roster: PRODUCTS

generated by multi-select question LSP01

1sproducts

E @rowcode<999

<p>Did you sell any of the %rosteritle% that you produced in <u>the last 12 months</u>?</p>	<p>SINGLE-SELECT LSP03 01 <input type="radio"/> YES 02 <input type="radio"/> NO</p>
<p>What was the total value of sales of %rosteritle% in <u>the last 12 months</u>?</p> <p>I VALUE (RWF) Approximate the value to RWF if it was paid in-kind E LSP03==1</p>	<p>NUMERIC: INTEGER LSP05 -----</p>

L. LIVESTOCK

Roster: PRODUCTS

generated by list question LSP01oth

1sproductsoth

<p>Did you sell any of the %rosteritle% that you produced in <u>the last 12 months</u>?</p>	<p>SINGLE-SELECT LSP03oth 01 <input type="radio"/> YES 02 <input type="radio"/> NO</p>
<p>What was the total value of sales of %rosteritle% in <u>the last 12 months</u>?</p> <p>I VALUE (RWF) Approximate the value to RWF if it was paid in-kind E LSP03oth==1</p>	<p>NUMERIC: INTEGER LSP05oth -----</p>

M. OTHER INCOME

<p>During <u>the last 12 months</u>, did you or any members of your household receive any of the following?</p> <p>V1 !(self.Missing.Any()) M1 Respondent has not yet answered all questions. Please continue until all questions have been asked.</p>	<p>MULTI-SELECT: YES/NO G01</p> <p>001 <input type="checkbox"/> / <input type="checkbox"/> Cash Transfers/Gifts 002 <input type="checkbox"/> / <input type="checkbox"/> Food Transfers/Gifts 003 <input type="checkbox"/> / <input type="checkbox"/> Non-Food In-Kind Transfers/Gifts 004 <input type="checkbox"/> / <input type="checkbox"/> Interests 005 <input type="checkbox"/> / <input type="checkbox"/> Pension Income 006 <input type="checkbox"/> / <input type="checkbox"/> Income Housing 007 <input type="checkbox"/> / <input type="checkbox"/> Inheritance 008 <input type="checkbox"/> / <input type="checkbox"/> Remittance 999 <input type="checkbox"/> / <input type="checkbox"/> Others, please specify</p>
---	---

Please specify other sources of income

LIST

G01oth

E G01.Yes.Contains(999)

M. OTHER INCOME

Roster: OTHER INCOMEgenerated by multi-select question [G01](#)

other_income

E @rowcode<999

During the last 12 months, from where did you get those %rostertitle%?

MULTI-SELECT

G01a

- 01 Individuals
(Friends/Relatives)
- 02 Government
- 03 NGOs/Religious Groups

I @@ select all that applies

E @rowcode<=3

During [the last 12 months], what was the total value of %rostertitle% received by the household?

NUMERIC: INTEGER

G02

I VALUE (RWF)

M. OTHER INCOME

Roster: OTHER INCOMEgenerated by list question [G01oth](#)

other_incomeoth

E G01.Yes.Contains(999)

During [the last 12 months], what was the total value of %rostertitle% received by the household?

NUMERIC: INTEGER

G02oth

I VALUE (RWF)

N. ASSETS AND HOUSING

N. ASSETS AND HOUSING

HOUSING CHARACTERISTICS

On what basis does the household occupy the dwelling?

SINGLE-SELECT

K01

- 00 Owned
- 01 INHERITED
- 02 PURCHASED
- 03 PROVIDED BY OTHERS
(temporary/ permanent)
- 04 RENTED

The outer walls of the main dwelling of the household are predominantly made of what material?

SINGLE-SELECT

K03

- 001 MUD/EARTH
 002 BRICK
 003 CONCRETE
 004 WOOD
 005 IRON SHEETS
 999 OTHER (SPECIFY)

Please specify the material of the outer walls of the main dwelling

TEXT

K03oth

.....

E K03==999

The roof of the main dwelling is predominantly made of what material?

SINGLE-SELECT

K04

- 001 IRON SHEETS
 002 CLAY TILES
 003 CONCRETE
 004 PLASTIC SHEETS
 005 GRASS
 999 OTHER (SPECIFY)

Please specify the material of the roof of the main dwelling

TEXT

K04oth

.....

E K04==999

The floor of the main dwelling is predominantly made of what material?

SINGLE-SELECT

K05

- 001 MUD/EARTH
 002 CEMENT
 003 WOOD
 999 OTHER (SPECIFY)

Please specify the material of the floor of the main dwelling

TEXT

K05oth

.....

E K05==999

How many separate rooms do the members of your household occupy?

NUMERIC: INTEGER

K06

I (DO NOT COUNT Kitchens, BATHROOMS, TOILETS, STORAGE ROOMS, OR GARAGE)

V1 self.InRange(0,15)

M1 This seems unlikely. Please check.

What kind of toilet facility does your household use?

- SINGLE-SELECT K07
- 001 FLUSH TOILET
 - 002 VENTILATED IMPROVED PIT LATRINE
 - 003 TRADITIONAL PIT LATRINE with ROOF
 - 004 TRADITIONAL PIT LATRINE without ROOF
 - 005 NONE
 - 999 OTHER(SPECIFY)

Please specify the kind of toilet facility

TEXT K07oth

E K07==999

.....

What is your main source of drinking water?

- SINGLE-SELECT K10
- 001 PIPED INTO DWELLING
 - 003 COMMUNAL STANDPIPE
 - 004 OPEN WELL IN YARD/PLOT
 - 005 OPEN PUBLIC WELL
 - 006 PROTECTED WELL IN YARD/PLOT
 - 007 PROTECTED PUBLIC WELL
 - 008 BOREHOLE
 - 009 SPRING
 - 010 RIVER/STREAM
 - 011 POND/LAKE
 - 012 DAM
 - 013 RAINWATER
 - 014 TANKER TRUCK
 - 015 BOTTLED WATER
 - 999 OTHER (SPECIFY)

Please specify the main source of drinking water

TEXT K10oth

E K10==999

.....

What was the total cost of drinking water for your household last month?

NUMERIC: INTEGER K11

I VALUE (RWF)

How long does it take you to walk (ONE WAY) to the main water source from your dwelling?

NUMERIC: INTEGER K12a

I RECORD "ZERO" IF THE WATER SOURCE IS ON PREMISES

<p>TIME UNIT</p> <p>E K12a>0 || !IsAnswered(K12a)</p>	<p>SINGLE-SELECT K12b</p> <p>01 <input type="radio"/> MINUTE</p> <p>02 <input type="radio"/> HOUR</p>
<p>Do you have electricity working in your dwelling?</p>	<p>SINGLE-SELECT K13</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>

N. ASSETS AND HOUSING

HOUSING CHARACTERISTICS 5 YEARS AGO

<p><u>Five year ago</u>, On what basis did the household occupy the dwelling?</p>	<p>SINGLE-SELECT K01_5y</p> <p>00 <input type="radio"/> Owned</p> <p>01 <input type="radio"/> INHERITED</p> <p>02 <input type="radio"/> PURCHASED</p> <p>03 <input type="radio"/> PROVIDED BY OTHERS (Temporarily/ Permanently)</p> <p>04 <input type="radio"/> RENTED</p>
<p><u>Five year ago</u>, the <u>outer walls</u> of the main dwelling of the household were predominantly made of what material ?</p>	<p>SINGLE-SELECT K03_5y</p> <p>001 <input type="radio"/> MUD/EARTH</p> <p>002 <input type="radio"/> BRICK</p> <p>003 <input type="radio"/> CONCRETE</p> <p>004 <input type="radio"/> WOOD</p> <p>005 <input type="radio"/> IRON SHEETS</p> <p>999 <input type="radio"/> OTHER (SPECIFY)</p>
<p>Please specify the material of the outer walls of the main dwelling <u>five year ago</u></p> <p>E K03_5y==999</p>	<p>TEXT K03oth_5y</p> <p>.....</p>
<p><u>Five year ago</u>, the roof of the main dwelling was predominantly made of what material?</p>	<p>SINGLE-SELECT K04_5y</p> <p>001 <input type="radio"/> IRON SHEETS</p> <p>002 <input type="radio"/> CLAY TILES</p> <p>003 <input type="radio"/> CONCRETE</p> <p>004 <input type="radio"/> PLASTIC SHEETS</p> <p>005 <input type="radio"/> GRASS</p> <p>999 <input type="radio"/> OTHER (SPECIFY)</p>
<p>Please specify the material of the roof of the main dwelling <u>five year ago</u></p> <p>E K04_5y==999</p>	<p>TEXT K04oth_5y</p> <p>.....</p>

Five year ago,the floor of the main dwelling was predominantly made of what material?

- SINGLE-SELECT k05_5y
- 001 MUD/EARTH
 - 002 CEMENT
 - 003 WOOD
 - 999 OTHER (SPECIFY)

Please specify the material of the floor of the main dwelling five year ago

TEXT k05oth_5y

.....

E k05_5y==999

Five year ago, how many separate rooms did the members of your household occupy?

NUMERIC: INTEGER k06_5y

I (DO NOT COUNT BATHROOMS, TOILETS, STOREROOMS, OR GARAGE)

V1 self.InRange(0,15)

M1 This seems unlikely. Please check.

Five year ago, what kind of toilet facility did your household use?

- SINGLE-SELECT k07_5y
- 001 FLUSH TOILET
 - 002 VENTILATED IMPROVED PIT LATRINE
 - 003 TRADITIONAL PIT LATRINE with ROOF
 - 004 TRADITIONAL PIT LATRINE without ROOF
 - 005 NONE
 - 999 OTHER(SPECIFY)

Please specify the kind of toilet facility five year ago

TEXT k07oth_5y

.....

E k07_5y==999

Five year ago, what was your main source of drinking water?

SINGLE-SELECT

k10_5y

- 001 PIPED INTO DWELLING
 003 COMMUNAL STANDPIPE
 004 OPEN WELL IN YARD/PLOT
 005 OPEN PUBLIC WELL
 006 PROTECTED WELL IN YARD/PLOT
 007 PROTECTED PUBLIC WELL
 008 BOREHOLE
 009 SPRING
 010 RIVER/STREAM
 011 POND/LAKE
 012 DAM
 013 RAINWATER
 014 TANKER TRUCK/BOWSER
 015 BOTTLED WATER
 999 OTHER (SPECIFY)

Please specify the main source of drinking water five year ago

TEXT

k10oth_5y

E k10_5y==999

Five year ago, what was the total cost of drinking water for your household per month on average?

NUMERIC: INTEGER

k11_5y

I VALUE (RWF)

Five year ago, how long did it used to take you to walk (ONE WAY) to the main water source from your dwelling?

NUMERIC: INTEGER

k12a_5y

I RECORD "ZERO" IF THE WATER SOURCE IS ON PREMISES

TIME UNIT

SINGLE-SELECT

k12b_5y

E k12a_5y>0 || !IsAnswered(k12a_5y)

- 01 MINUTE
 02 HOUR

Five year ago, did you have electricity working in your dwelling?

SINGLE-SELECT

k13_5y

- 01 YES
 02 NO

N. ASSETS AND HOUSING
 HOUSEHOLD ASSETS

Does your household currently own the following:

MULTI-SELECT: YES/NO

I01

I ITEMS MUST BE FUNCTIONAL

V1 !(self.Missing.Any())

M1 Respondent has not yet answered all questions. Please continue until all questions have been asked.

001 / Table002 / Chair003 / Sofa006 / Bed007 / Fan009 / Clock010 / Sewing machine011 / Iron (for clothes)012 / Refrigerator / freezer013 / Charcoal stove014 / Kerosene/paraffin stove015 / Electric/gas stove016 / Radio017 / Tape/CD/audio player018 / Television / VCR / DVD player019 / Satellite dish[And 10 other symbols \[9\]](#)

N. ASSETS AND HOUSING / HOUSEHOLD ASSETS

Roster: HH ASSETSgenerated by multi-select question [I01](#)

hh_assets

How many %rosteritle% does your household own now?

NUMERIC: INTEGER

I02

N. ASSETS AND HOUSING

AGRICULTURAL ASSETS

Does your household currently own the following:

I ITEMS MUST BE FUNCTIONAL

V1 !(self.Missing.Any())

M1 Respondent has not yet answered all questions. Please continue until all questions have been asked.

MULTI-SELECT: YES/NO

J01

- 001 / WATER CAN
- 007 / SICKLE/MACHETE
- 008 / WATER PUMP
- 010 / HAND
CART/WHEELBARROW
- 011 / OX CART
- 012 / OX PLOUGH
- 013 / TRACTOR
- 014 / TRACTOR PLOUGH
- 015 / MOTORISED PUMP
- 016 / MECHANICAL DRYER
- 017 / SOLAR DRYER
- 018 / GRAIN MILL
- 019 / POULTRY HOUSE
- 020 / LIVESTOCK ENCLOSURE
- 021 / STORAGE HOUSE
- 023 / LIVESTOCK BARN

[And 2 other symbols \[10\]](#)

N. ASSETS AND HOUSING / AGRICULTURAL ASSETS

Roster: AGRICULTURAL ASSETS

generated by multi-select question J01

ag_assets

How many %rosteritle% does your household own now?

NUMERIC: INTEGER

J02

O. SHOCKS

During the last 12 months, was your household affected negatively by any of the following shocks/stressful events?

MULTI-SELECT: YES/NO

M01

V1 !(self.Missing.Any())

M1 Respondent has not yet answered all questions. Please continue until all questions have been asked.

- 001 / Drought
- 002 / Irregular Rains
- 003 / Floods
- 004 / Landslides
- 005 / Erosion
- 006 / Earthquakes
- 007 / Unusually High Level of Crop Pests or Disease
- 008 / Unusually High Level of Livestock Disease
- 009 / Unusually High Costs of Agricultural Inputs
- 010 / Unusually Low Prices for Agricultural Output
- 011 / Reduction in Earnings of Currently (Off-Farm) Employed Household Member(s)
- 012 / Loss of Employment of Previously Employed Household Member(s)
- 013 / Serious Illness or Accident of Income Earner(s)
- 014 / Serious Illness or Accident of Other Household Member(s)
- 015 / Death of Income Earner(s)
- 016 / Death of Other Household Member(s)

[And 5 other symbols \[11\]](#)

Please specify other shocks/stressful events

TEXT

M01both

.....

E M01.Yes.Contains(999)

Rank the three most significant shocks you experienced

F M01.Yes.Contains(@optioncode)

E M01.Yes.Length>0

MULTI-SELECT: ORDERED

M02

- 001 Drought
- 002 Irregular Rains
- 003 Floods
- 004 Landslides
- 005 Erosion
- 006 Earthquakes
- 007 Unusually High Level of Crop Pests or Disease
- 008 Unusually High Level of Livestock Disease
- 009 Unusually High Costs of Agricultural Inputs
- 010 Unusually Low Prices for Agricultural Output
- 011 Reduction in Earnings of Currently (Off-Farm) Employed Household Member(s)
- 012 Loss of Employment of Previously Employed Household Member(s)
- 013 Serious Illness or Accident of Income Earner(s)
- 014 Serious Illness or Accident of Other Household Member(s)
- 015 Death of Income Earner(s)
- 016 Death of Other Household Member(s)

[And 5 other symbols \[12\]](#)

O. SHOCKS

Roster: SHOCKS

generated by multi-select question [M02](#)

shocks

As a result of this shock, did your INCOME increase, decrease, or remain unchanged? (%rostartitle%)

SINGLE-SELECT

M03a

- 01 Increase
- 02 Decrease
- 03 Did Not Change

As a result of this shock, did your ASSETS increase, decrease, or remain unchanged? (%rostartitle%)

SINGLE-SELECT

M03b

- 01 Increase
- 02 Decrease
- 03 Did Not Change

As a result of this shock, did your **FOOD PRODUCTION** increase, decrease, or remain unchanged? (%rostertitle%)

- SINGLE-SELECT M03c
- 01 Increase
 - 02 Decrease
 - 03 Did Not Change

As a result of this shock, did your **FOOD STOCKS** increase, decrease, or remain unchanged? (%rostertitle%)

- SINGLE-SELECT M03d
- 01 Increase
 - 02 Decrease
 - 03 Did Not Change

As a result of this shock, did your **FOOD PURCHASES** increase, decrease, or remain unchanged? (%rostertitle%)

- SINGLE-SELECT M03e
- 01 Increase
 - 02 Decrease
 - 03 Did Not Change

To what extent has your household been able to recover from this shock (%rostertitle%)?

- SINGLE-SELECT M04
- 01 NOT AT ALL
 - 02 SOMEWHAT
 - 03 FULLY

P. SOCIAL CAPITAL

Does at least one member of the household belong to any of the following:

- MULTI-SELECT: YES/NO L01
- 001 / Agricultural's cooperative/association
 - 002 / Micro-Finance Association
 - 003 / Religious group
 - 004 / Youth group
 - 005 / Community/village welfare group
 - 006 / Political party
 - 999 / Other, specify

V1 !(self.Missing.Any())

M1 Respondent has not yet answered all questions. Please continue until all questions have been asked.

Please specify others

LIST L01oth

.....

E L01.Yes.Contains(999)

P. SOCIAL CAPITAL

Roster: SOCIAL CAPITAL

generated by multi-select question L01

social_capital

E @rowcode<999

For how many years have the household member(s) been involved in this %rosteritle%?

NUMERIC: INTEGER

L03

I Insert 0 if less than a year

Does this %rosteritle% work with similar groups outside of the village?

SINGLE-SELECT

L08

001 Yes002 No998 Don't Know

P. SOCIAL CAPITAL

Roster: SOCIAL CAPITAL

generated by list question [L01oth](#)

social_capitaloth

For how many years have the household member(s) been involved in this %rosteritle%?

NUMERIC: INTEGER

L03oth

I Insert 0 if less than a year

Does this %rosteritle% work with similar groups outside of the village?

SINGLE-SELECT

L08oth

001 Yes002 No998 Don't Know

P. SOCIAL CAPITAL

SUPPORT

If your household had a problem and needed *money or food* urgently, would you be able to get it from relatives living in this community?

SINGLE-SELECT

L09

01 YES02 NO

If your household had a problem and needed *money or food* urgently, would you be able to get it from people in your community who are not your relatives?

SINGLE-SELECT

L10

01 YES02 NO

If your household had a problem and needed *money or food* urgently, would you be able to get it from relatives living elsewhere?

SINGLE-SELECT

L11

01 YES02 NO

<p>If your household had a problem and needed <i>money or food</i> urgently, would you be able to get it from <u>people outside of your community who are not your relatives</u>?</p>	<p>SINGLE-SELECT L12</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>If <u>a relative in this community</u> had a problem and needed <i>money or food</i> urgently, would you be able to give money or food?</p>	<p>SINGLE-SELECT L13</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>If <u>a relative outside of your community</u> had a problem and needed <i>money or food</i> urgently, would you be able to give money or food?</p>	<p>SINGLE-SELECT L14</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>If <u>someone who is not your relative, but lives in this community</u> had a problem and needed <i>money or food</i> urgently, would you be able to give money or food?</p>	<p>SINGLE-SELECT L15</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>If <u>someone who is not your relative, outside of your community</u> had a problem and needed <i>money or food</i> urgently, would you be able to give money or food?</p>	<p>SINGLE-SELECT L16</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>

P. SOCIAL CAPITAL

DECISION MAKING

<p>Who in the household controls / decides on the use of the employment earnings?</p> <p>I SELECT UP TO TWO FROM HOUSEHOLD LIST</p>	<p>MULTI-SELECT: LINKED who_employ_earnings</p>
<p>Who in the household controls / decides on the income from the agricultural activities?</p> <p>I SELECT UP TO TWO FROM HOUSEHOLD LIST</p>	<p>MULTI-SELECT: LINKED who_agri_income</p>
<p>Who in the household makes the decisions concerning the agricultural activities (cultivating, harvesting, and sales)?</p> <p>I SELECT UP TO TWO FROM HOUSEHOLD LIST</p>	<p>MULTI-SELECT: LINKED who_agri_activities</p>

Q. FOOD

Q. FOOD

FOOD CONSUMPTION

In the last 7 days, have you or anyone in your household consumed any of the following in any quantity?

I Cereals and grain: Rice, pasta, bread / cake and / or donuts, sorghum, millet, maize. Roots and tubers: potato, yam, cassava, sweet potato, taro and / or other tubers. Legumes / nuts : beans, cowpeas [And 235 other symbols \[1\]](#)

V1 self.Missing.Length==0

M1 Respondent has not yet answered all questions. Please continue until all questions have been asked.

MULTI-SELECT: YES/NO

H01

- 01 / Cereals and grain
 02 / Roots and tubers
 03 / Legumes / nuts
 04 / Orange Vegetables
 05 / Green Leafy Vegetables
 06 / Other Vegetables
 07 / Orange Fruits
 08 / Other Fruits
 09 / Meat
 10 / Fish / Shellfish
 11 / Liver, kidney, heart and / or other organ meats
 12 / Eggs
 13 / Milk and other dairy products
 14 / Oil / fat / butter
 15 / Sugar, or sweet
 16 / Condiments /Spices

[And 2 other symbols \[13\]](#)

Q. FOOD / FOOD CONSUMPTION

Roster: FOOD CONSUMPTION

generated by multi-select question [H01](#)

food_consumption

In the last 7 days, how many days did you or anyone in your household consume %rosteritle%?

NUMERIC: INTEGER

H02

V1 self.InRange(1,7)

M1 Reported number of days is unlikely. Please confirm.

In the last 24 hours have you or anyone in your household consumed %rosteritle% in any quantity?

SINGLE-SELECT

H03

- 01 YES
 02 NO

Q. FOOD

FOOD INSECURITY

<p>During <u>the last 12 months</u>, was there a time when you or others in your household worried about not having enough food to eat because of a lack of money or other resources?</p>	<p>SINGLE-SELECT WORRIED</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>During <u>the last 12 months</u>, was there a time when you or others in your household were unable to eat healthy and nutritious food because of a lack of money or other resources?</p>	<p>SINGLE-SELECT HEALTHY</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>During <u>the last 12 months</u>, was there a time when you or others in your household ate only a few kinds of foods because of a lack of money or other resources?</p>	<p>SINGLE-SELECT FEWFOODS</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>During <u>the last 12 months</u>, was there a time when you or others in your household had to skip a meal because there was not enough money or other resources to get food?</p>	<p>SINGLE-SELECT SKIPPED</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>During <u>the last 12 months</u>, was there a time when you or others in your household ate less than you thought you should because of a lack of money or other resources?</p>	<p>SINGLE-SELECT ATELESS</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>During <u>the last 12 months</u>, was there a time when your household ran out of food because of a lack of money or other resources?</p>	<p>SINGLE-SELECT RANOUT</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>During <u>the last 12 months</u>, was there a time when you or others in your household were hungry but did not eat because there was not enough money or other resources for food?</p>	<p>SINGLE-SELECT HUNGRY</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>
<p>During <u>the last 12 months</u>, was there a time when you or others in your household went without eating for a whole day because of a lack of money or other resources?</p>	<p>SINGLE-SELECT WHLDAY</p> <p>01 <input type="radio"/> Yes</p> <p>02 <input type="radio"/> No</p>

R. CREDIT

<p>During <u>the last 12 months</u>, did you or anyone in your household obtain a loan, or still have to repay a loan from someone outside the household or from an institution, whether in cash or in kind?</p>	<p>SINGLE-SELECT N1</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>How many loans do/did you have during <u>the last 12 months</u>?</p> <p>E N1==1</p> <p>V1 self.InRange(1,10)</p> <p>M1 NUMBER OUTSIDE RANGE</p>	<p>NUMERIC: INTEGER N2</p> <p>-----</p>
<p>Please provide a name for each loan.</p> <p>E IsAnswered(N2) && N2>0</p> <p>V1 N2>LOAN_NAME.Length ? false : true</p> <p>M1 RESPONDENT STATED TO HAVE ACCESS TO %N2% LOANS. HOWEVER YOU HAVE LISTED LESS THAN %N2% LOANS. PLEASE CONTINUE UNTIL NUMBER OF LOANS IS REACHED.</p> <p>V2 N2<LOAN_NAME.Length ? false : true</p> <p>M2 RESPONDENT STATED TO HAVE ACCESS TO %N2% LOANS. HOWEVER YOU HAVE LISTED MORE THAN %N2% LOANS. PLEASE CONTINUE UNTIL NUMBER OF LOANS IS REACHED.</p>	<p>LIST LOAN_NAME</p> <p>-----</p>
<p>During <u>the last 12 months</u>, did you or anyone in your household apply for a loan?</p> <p>E N1==2</p>	<p>SINGLE-SELECT N3</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>Were any applications for loans rejected?</p> <p>E N3==1 || N1==1</p>	<p>SINGLE-SELECT N4</p> <p>01 <input type="radio"/> YES</p> <p>02 <input type="radio"/> NO</p>
<p>How many times were applications for loans rejected</p> <p>E N4==1</p> <p>V1 self.InRange(1,10)</p> <p>M1 VALUE OUTSIDE RANGE</p>	<p>NUMERIC: INTEGER N5</p> <p>-----</p>

<p>What was the main reasons for rejection?</p> <p>E N4==1 && N5>0</p>	<p>SINGLE-SELECT N6</p> <p>001 <input type="radio"/> NO COLLATERAL</p> <p>002 <input type="radio"/> APPLICATION WAS DEEMED INSUFFICIENT / UNSUITABLE</p> <p>999 <input type="radio"/> OTHER, SPECIFY</p> <p>998 <input type="radio"/> DON'T KNOW</p>
<p>Please specify the main reason for rejection</p> <p>E N6==999</p>	<p>TEXT N6oth</p> <p>.....</p>
<p>Why did you not attempt to borrow in <u>the last 12 months</u>?</p> <p>I SELECT UP TO TWO</p> <p>E N3==2</p>	<p>MULTI-SELECT N7</p> <p>001 <input type="checkbox"/> NO NEED FOR EXTERNAL FINANCING</p> <p>002 <input type="checkbox"/> HIGH INTEREST RATES</p> <p>003 <input type="checkbox"/> EXCESSIVE COLLATERAL REQUIREMENTS</p> <p>004 <input type="checkbox"/> LENGTHY APPLICATION PROCESS</p> <p>005 <input type="checkbox"/> NO LENDING INSTITUTION AVAILABLE (FORMAL OR INFORMAL)</p> <p>006 <input type="checkbox"/> UNCERTAINTY OF OWN ABILITY TO REPAY</p> <p>007 <input type="checkbox"/> PRIOR REJECTION</p> <p>008 <input type="checkbox"/> NOT AWARE OF POSSIBILITY OF RECEIVING LOANS</p> <p>009 <input type="checkbox"/> DO NOT LIKE TO BE IN DEBT</p> <p>010 <input type="checkbox"/> NOT ALLOWED BY LAW / RELIGION TO TAKE A LOAN</p> <p>999 <input type="checkbox"/> OTHER, SPECIFY</p>
<p>Please specify the main reason</p> <p>E N7.Contains(999)</p>	<p>TEXT N7oth</p> <p>.....</p>

R. CREDIT

Roster: LOANS

generated by list question [LOAN_NAME](#)

Toans

What was the main purpose for obtaining this loan (%rostertitle%)?

- SINGLE-SELECT N10
- 001 PURCHASING FARMING/AGRICULTURAL ITEMS
 - 002 PURCHASING HOUSING ITEMS
 - 003 CONSUMPTION NEEDS
 - 004 FAMILY EVENTS
 - 005 EDUCATION
 - 006 HEALTH (EX. HOSPITAL BILLS)
 - 007 TO REPAY ANOTHER LOAN
 - 999 OTHER, SPECIFY

Please specify the main purpose

TEXT N10oth

E N10==999

S. EXTENSION AND INFORMATION

During the last 12 months, did you or anyone in your household receive any advice on the following:

- MULTI-SELECT: YES/NO T01
- 001 / Crops
 - 002 / Agricultural Inputs
 - 003 / Harvest Techniques
 - 004 / Post-Harvest Techniques
 - 005 / General Animal Care
 - 006 / Animals/Fishery/Forestry
 - 007 / Sales / Marketing
 - 008 / Access to Credit
 - 999 / OTHER, SPECIFY

V1 !(self.Missing.Any())

M1 Respondent has not yet answered all questions. Please continue until all questions have been asked.

Please specify the source of the advice

TEXT T01oth

E T01.Yes.Contains(999)

S. EXTENSION AND INFORMATION

Roster: ADVISE

generated by multi-select question [T01](#)

extension_information

What was the main source of the advice on %rostertitle%?

- SINGLE-SELECT T02
- 001 Turnaround Program / Matching Grant
 - 002 Gov
 - 003 Private Agency
 - 004 NGO
 - 999 Other (Specify)
 - 998 Don't know

Please specify the source of the advice

TEXT T02oth

.....

E T02==999

How was the advice mainly received on %rostertitle%?

- SINGLE-SELECT T05
- 001 Farmer Field School
 - 002 Village Agricultural Extension Meeting
 - 003 Agricultural Extension Course
 - 004 Electronic Media (TV, Radio, Etc...)
 - 005 Paper Media (Handouts / Flyers)
 - 006 Field Visit
 - 999 Other (Specify)

Please specify how the advice was recieved

TEXT T05oth

.....

E T05==999

T. RESULT

**OUTCOME OF VISIT 1 - MAIN
RESPONDENT**

SINGLE-SELECT

v1_out_mr

- 01 Completed
- 02 Partially complete (revisit)
- 03 Partially complete (refused after starting the interview)
- 04 Permission refused (replace)
- 05 Not available (revisit)
- 06 Temporarily unable to be interviewed, e.g. illness (revisit)
- 07 Long term unavailable (replace)
- 08 Long term unable to be interviewed, e.g. disability (replace)
- 09 Unable to track household (replace)

**OUTCOME OF VISIT 2 - MAIN
RESPONDENT**

E v2_date.Value.Month>=1

SINGLE-SELECT

v2_out_mr

- 01 Completed
- 02 Partially complete (revisit)
- 03 Partially complete (refused after starting the interview)
- 04 Permission refused (replace)
- 05 Not available (revisit)
- 06 Temporarily unable to be interviewed, e.g. illness (revisit)
- 07 Long term unavailable (replace)
- 08 Long term unable to be interviewed, e.g. disability (replace)

**OUTCOME OF VISIT 3 - MAIN
RESPONDENT**

E v3_date.Value.Month>=1

SINGLE-SELECT

v3_out_mr

- 01 Completed
- 02 Partially complete (revisit)
- 03 Partially complete (refused after starting the interview)
- 04 Permission refused (replace)
- 05 Not available (revisit)
- 06 Temporarily unable to be interviewed, e.g. illness (revisit)
- 07 Long term unavailable (replace)
- 08 Long term unable to be interviewed, e.g. disability (replace)

EXPLAIN REASON WHY NOT COMPLETED, REPORT ANY IRREGULARITIES ABOUT THE INTERVIEW OR ANY INFORMATION SURVEY MANAGEMENT SHOULD KNOW, WRITE 'OK' IF NO COMMENT

TEXT

comment_mr

.....

ENUMERATOR: RECORD DATE & TIME

DATE: CURRENT TIME

end_visitdate

DD/MM/YYYY

.....

APPENDIX A — INSTRUCTIONS

[1] H01: In the last 7 days, have you or anyone in your household consumed any of the following in any quantity?

Cereals and grain: Rice, pasta, bread / cake and / or donuts, sorghum, millet, maize. Roots and tubers: potato, yam, cassava, sweet potato, taro and / or other tubers. Legumes / nuts : beans, cowpeas, peanuts, lentils, soy, and / or other nuts. Orange vegetables: carrot, red pepper, orange sweet potatoes. Orange fruits: mango, papaya, Orange Condiments / Spices: tea, coffee / cocoa, salt, garlic, spices, yeast / baking powder, etc

APPENDIX B — OPTIONS

[1] District: District

Options: 56:Ngoma, 57:Bugesera, 34:Nyabihu, 24:Huye, 12:Gasabo, 28:Kamonyi, 32:Rutsiro, 33:Rubavu, 35:Ngororo, 36:Rusizi, 37:Nyamasheke, 43:Musanze, 44:Burera, 45:Gicumbi, 51:Rwamagana, 52:Nyagatare, 55:Kirehe, 11:Nyarugenge, 13:Kicukiro, 21:Nyanza, 22:Gisagara, 23:Nyaruguru, 25:Nyamagabe, 26:Ruhango, 27:Muhanga, 31:Karongi, 41:Rulindo, 42:Gakenke, 53:Gatsibo, 54:Kayanza,

[2] Sector: Sector

Options: 1101:Gitega (1101), 1102:Kanyinya (1102), 1103:Kigali (1103), 1104:Kimisagara (1104), 1105:Mageregere (1105), 1106:Muhima (1106), 1107:Nyakabanda (1107), 1108:Nyamirambo (1108), 1109:Nyarugenge (1109), 1110:Rwezame nyo (1110), 1201:Bumbogo (1201), 1202:Gatsata (1202), 1203:Gikomero (1203), 1204:Gisozi (1204), 1205:Jabana (1205), 1206:Jali (1206), 1207:Kacyiru (1207), 1208:Kimihurura (1208), 1209:Kimironko (1209), 1210:Kinyinya (1210), 1211:Ndera (1211), 1212:Nduba (1212), 1213:Remera (1213), 1214:Rusororo (1214), 1215:Rutunga (1215), 1301:Gahanga (1301), 1302:Gatenga (1302), 1303:Gikondo (1303), 1304:Kagarama (1304), 1305:Kanombe (1305), 1306:Kicukiro (1306), 1307:Kigarama (1307), 1308:Masaka (1308), 1309:Niboye (1309), 1310:Nyarugunga (1310), 2101:Busasamana (2101), 2102:Busoro (2102), 2103:Cyabakamyi (2103), 2104:Kibilizi (2104), 2105:Kigoma (2105), 2106:Mukingo (2106), 2107:Muyira (2107), 2108:Ntyazo (2108), 2109:Nyagisozi (2109), 2110:Rwabicuma (2110), 2201:Gikonko (2201), 2202:Gishubi (2202), 2203:Kansi (2203), 2204:Kibirizi (2204), 2205:Kigembe (2205), 2206:Mamba (2206), 2207:Muganza (2207), 2208:Mugombwa (2208), 2209:Mukindo (2209), 2210:Musha (2210), 2211:Ndora (2211), 2212:Nyanza (2212), 2213:Savane (2213), 2301:Busanze (2301), 2302:Cyahinda (2302), 2303:Kibeho (2303), 2304:Kivu (2304), 2305:Mata (2305), 2306:Muganza (2306), 2307:Munini (2307), 2308:Ngera (2308), 2309:Ngoma (2309), 2310:Nyabimata (2310), 2311:Nyagisozi (2311), 2312:Ruheru (2312), 2313:Ruramba (2313), 2314:Rusenge (2314), 2401:Gishamvu (2401), 2402:Huye (2402), 2403:Karama (2403), 2404:Kigoma (2404), 2405:Kinazi (2405), 2406:Maraba (2406), 2407:Mbazi (2407), 2408:Mukura (2408), 2409:Ngoma (2409), 2410:Ruhashya (2410), 2411:Rusatira (2411), 2412:Rwaniro (2412), 2413:Simbi (2413), 2414:Tumba (2414), 2501:Buruhukiro (2501), 2502:Cyanika (2502), 2503:Gasaka (2503), 2504:Gatare (2504), 2505:Kaduha (2505), 2506:Kamegeri (2506), 2507:Kibirizi (2507), 2508:Kibumbwe (2508), 2509:Kitabi (2509), 2510:Mbazi (2510), 2511:Mugano (2511), 2512:Musange (2512), 2513:Musebeya (2513), 2514:Mushubi (2514), 2515:Nkomane (2515), 2516:Tare (2516), 2517:Uwinkingi (2517), 2601:Bweramana (2601), 2602:Byimana (2602), 2603:Kabagali (2603), 2604:Kinazi (2604), 2605:Kinihira (2605), 2606:Mbuye (2606), 2607:Mwendo (2607), 2608:Ntongwe (2608), 2609:Ruhango (2609), 2701:Cyeza (2701), 2702:Kabacuzi (2702), 2703:Kibangu (2703), 2704:Kiyumba (2704), 2705:Muhanga (2705), 2706:Mushishiro (2706), 2707:Nyabinoni (2707), 2708:Nyamabuye (2708), 2709:Nyarusange (2709), 2710:Rongi (2710), 2711:Rugendabari (2711), 2712:Shyogwe (2712), 2801:Gacurabwenge (2801), 2802:Karama (2802), 2803:Kayenzi (2803), 2804:Kayumbu (2804), 2805:Mugina (2805), 2806:Musambira (2806), 2807:Ngamba (2807), 2808:Nyamiyaga (2808), 2809:Nyarubaka (2809), 2810:Rugarika (2810), 2811:Rukoma (2811), 2812:Runda (2812), 3101:Bwishyura (3101), 3102:Gashari (3102), 3103:Gishyita (3103), 3104:Gitesi (3104), 3105:Mubuga (3105), 3106:Murambi (3106), 3107:Murundi (3107), 3108:Mutuntu (3108), 3109:Rubengera (3109), 3110:Rugabano (3110), 3111:Ruganda (3111), 3112:Rwankuba (3112), 3113:Twumba (3113), 3201:Boneza (3201), 3202:Gihango (3202), 3203:Kigezo (3203), 3204:Kivumu (3204), 3205:Manihira (3205), 3206:Mukura (3206), 3207:Murunda (3207), 3208:Musasa (3208), 3209:Mushonyi (3209), 3210:Mushubati (3210), 3211:Nyabirasi (3211), 3212:Ruhango (3212), 3213:Rusebeya (3213), 3301:Bugeshi (3301), 3302:Busasamana (3302), 3303:Cyanzarwe (3303), 3304:Gisenyi (3304), 3305:Kanama (3305), 3306:Kanzenze (3306), 3307:Mudende (3307), 3308:Nyakiriba (3308), 3309:Nyamyumba (3309), 3310:Nyundo (3310), 3311:Rubavu (3311), 3312:Rugerero (3312), 3401:Bigogwe (3401), 3402:Jenda (3402), 3403:Jomba (3403), 3404:Kabatwa (3404), 3405:Karago (3405), 3406:Kintobo (3406), 3407:Mukamira (3407), 3408:Muringa (3408), 3409:Rambura (3409), 3410:Rugera (3410), 3411:Rurembo (3411), 3412:Shyira (3412), 3501:Bwira (3501), 3502:Gatumba (3502), 3503:Hindiro (3503), 3504:Kabaya (3504), 3505:Kageyo (3505), 3506:Kavumu (3506), 3507:Matyazo (3507), 3508:Muhanda (3508), 3509:Muhororo (3509), 3510:Ndaro (3510), 3511:Ngororero (3511), 3512:Nyange (3512), 3513:Sovu (3513), 3601:Bugarama (3601), 3602:Butare (3602), 3603:Bweyeye (3603), 3604:Gashonga (3604), 3605:Giheke (3605), 3606:Gihundwe (3606), 3607:Gikundamvura (3607), 3608:Gitambi (3608), 3609:Kamembe (3609), 3610:Muganza (3610), 3611:Mururu (3611), 3612:Nkanka (3612), 3613:Nkombo (3613), 3614:Nkungu (3614), 3615:Nyakabuye (3615), 3616:Nyakarenzo (3616), 3617:Nzahaha (3617), 3618:Rwimbogo (3618), 3701:Bushekeri (3701), 3702:Bushenge (3702), 3703:Cyato (3703), 3704:Gihombo (3704), 3705:Kagano (3705), 3706:Kanjongo (3706), 3707:Karambi (3707), 3708:Karengera (3708), 3709:Kirimbi (3709), 3710:Macuba (3710), 3711:Mahembe (3711), 3712:Nyabitekera (3712), 3713:Rangiro (3713), 3714:Ruharambuga (3714), 3715:Shangi (3715), 4101:Base (4101), 4102:Burega (4102), 4103:Bushoki (4103), 4104:Buyoga (4104), 4105:Cyinzuzi (4105), 4106:Cyungu (4106), 4107:Kinihira (4107), 4108:Kisaro (4108), 4109:Masoro (4109), 4110:Mbogo (4110), 4111:Murambi (4111), 4112:Ngoma (4112), 4113:Ntarabana (4113), 4114:Rukozo (4114), 4115:Rusiga (4115), 4116:Shyorongi (4116), 4117:Tumba (4117), 4201:Busengo (4201), 4202:Coko (4202), 4203:Cyabingo (4203), 4204:Gakenke (4204), 4205:Gashenyi (4205), 4206:Janja (4206), 4207:Kamubuga (4207), 4208:Karambo (4208), 4209:Kivuruga (4209), 4210:Mataba (4210), 4211:Minazi (4211), 4212:Mugunga (4212), 4213:Muhondo (4213), 4214:Muyongwe (4214), 4215:Muzo (4215), 4216:Nemba (4216), 4217:Ruli (4217), 4218:Rusasa (4218), 4219:Rushashi (4219), 4301:Busogo (4301), 4302:Cyuye (4302), 4303:Gacaca (4303), 4304:Gashaki (4304), 4305:Gataraga (4305), 4306:Kimonyi (4306), 4307:Kinigi (4307), 4308:Muhoza (4308), 4309:Muko (4309), 4310:Musanze (4310), 4311:Nkotsi (4311), 4312:Nyange (4312), 4313:Remera (4313), 4314:Rwaza (4314), 4315:Shingiro (4315), 4401:Bungwe (4401), 4402:Butaro (4402), 4403:Cyanika (4403), 4404:Cyeru (4404), 4405:Gahunga (4405), 4406:Gatebe (4406), 4407:Gitovu (4407), 4408:Kagogo (4408), 4409:Kinoni (4409), 4410:Kinyababa (4410), 4411:Kivuye (4411), 4412:Nemba (4412), 4413:Rugarama (4413), 4414:Rugengabari (4414), 4415:Ruhunde (4415), 4416:Rusarabuye (4416), 4417:Rwerere (4417), 4501:Bukure (4501), 4502:Bwisige (4502), 4503:Byumba (4503), 4504:Cyumba (4504), 4505:Giti (4505), 4506:Kageyo (4506), 4507:Kaniga (4507), 4508:Manyagi

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Rukomo ii (521104), 521105 : Rurenge (521105), 521201 : Cyenjonjo (521201), 521202 : Gasinga (521202), 521203 : Kabare (521203), 521204 : Kazaza (521204), 521205 : Mishenyi (521205), 521206 : Rugarama (521206), 521207 : Rukorota (521207), 521208 : Rutare (521208), 521209 : Rwempasha (521209), 521210 : Ryeru (521210), 521301 : Gacundezi (521301), 521302 : Kabeza (521302), 521303 : Kirebe (521303), 521304 : Ntoma (521304), 521305 : Nyarupfubire (521305), 521306 : Nyendo (521306), 521307 : Rutungu (521307), 521308 : Rwimiyaga (521308), 521401 : Gishuro (521401), 521402 : Gitengure (521402), 521403 : Nkoma (521403), 521404 : Nyabitekeri (521404), 521405 : Nyagatoma (521405), 521406 : Shonga (521406), 521407 : Tabagwe (521407), 530101 : Kigabiro (530101), 530102 : Kimana (530102), 530103 : Teme (530103), 530104 : Viro (530104), 530201 : Gatsibo (530201), 530202 : Manishya (530202), 530203 : Mugeru (530203), 530204 : Nyabicwamba (530204), 530205 : Nyagahanga (530205), 530301 : Bukomane 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ugu (571501), 571502 : Kamabuye (571502), 571503 : Nziranziza (571503), 571504 : Rebero (571504), 571505 : Rutare (571505),

- [4] **Hort10: For which horticulture crop your business proposal was written?**
Options: 1 : Tamarillo, 2 : Onions, 3 : Tomato, 4 : Pineapple, 5 : Apple Banana, 6 : Passion Fruits, 7 : Cabbage, 8 : Carrots, 9 : Hot Peppers, 10 : Eggplants, 11 : Flowers, 12 : Avocado, 13 : French Beans, 14 : Mango, 15 : Citrus, 16 : Essential Oils Crops, 999 : Other, Specify,
- [5] **C_7_s1: Which crops were planted on plot %plotroster_s1% during SEASON A?**
Options: 1 : Maize, 2 : Rice, 3 : Sorghum, 4 : Millet, 5 : Wheat, 6 : Beans, 7 : Peas, 11 : Irish Potatoes, 12 : Sweet Potatoes, 13 : Yams & Taro, 14 : Tomatoes, 15 : Cabbage, 16 : Onion, 17 : Carrot, 18 : Garlic, 19 : Hot Peppers, 20 : Eggplant, 21 : Sunflower, 22 : Pyrethrum, 23 : Flowers, 24 : Soya, 25 : Pumpkin, 999 : Other Crops, 9999 : Other vegetables, 99999 : Other fruits,
- [6] **C_7_s2: Which crops were planted on plot %plotroster_s2% during SEASON B?**
Options: 1 : Maize, 2 : Rice, 3 : Sorghum, 4 : Millet, 5 : Wheat, 6 : Beans, 7 : Peas, 11 : Irish Potatoes, 12 : Sweet Potatoes, 13 : Yams & Taro, 14 : Tomatoes, 15 : Cabbage, 16 : Onion, 17 : Carrot, 18 : Garlic, 19 : Hot Peppers, 20 : Eggplant, 21 : Sunflower, 22 : Pyrethrum, 23 : Flowers, 24 : Soya, 25 : Pumpkin, 999 : Other Crops, 9999 : Other vegetables, 99999 : Other fruits,
- [7] **C_7_s3: Which crops were planted on plot %plotroster_s3% during SEASON C?**
Options: 1 : Maize, 2 : Rice, 3 : Sorghum, 4 : Millet, 5 : Wheat, 6 : Beans, 7 : Peas, 11 : Irish Potatoes, 12 : Sweet Potatoes, 13 : Yams & Taro, 14 : Tomatoes, 15 : Cabbage, 16 : Onion, 17 : Carrot, 18 : Garlic, 19 : Hot Peppers, 20 : Eggplant, 21 : Sunflower, 22 : Pyrethrum, 23 : Flowers, 24 : Soya, 25 : Pumpkin, 999 : Other Crops, 9999 : Other vegetables, 99999 : Other fruits,
- [8] **C_7_sp: Which trees / permanent crops were harvested from the %rostertitle% plot during the last 12 months?**
Options: 1 : Coffee, 2 : Tea, 3 : Passion Fruit, 4 : Pineapple, 5 : Avocado, 6 : Mango, 7 : Banana, 8 : Cooking Bananas, 9 : Citrus, 10 : Papaya, 11 : Orange, 12 : Lemon, 13 : Apple, 14 : Coconut, 15 : Pomegranate, 16 : Tamarillo, 17 : Cassava, 18 : Sugarcane, 999 : Other Crops, 9999 : Other vegetables, 99999 : Other fruits,
- [9] **I01: Does your household currently own the following:**
Options: 1 : Table, 2 : Chair, 3 : Sofa, 6 : Bed, 7 : Fan, 9 : Clock, 10 : Sewing machine, 11 : Iron (for clothes), 12 : Refrigerator / freezer, 13 : Charcoal stove, 14 : Kerosene/paraffin stove, 15 : Electric/gas stove, 16 : Radio, 17 : Tape/CD/audio player, 18 : Television / VCR / DVD player, 19 : Satellite dish, 20 : Solar panel, 21 : Generator, 22 : Smart phone, 23 : Mobile phone, 24 : Computer, 25 : Jewelry / Watches, 26 : Bicycle, 27 : Motorcycle/scooter, 28 : Motor Vehicle, 999 : OTHER Household Assets,
- [10] **J01: Does your household currently own the following:**
Options: 1 : WATER CAN, 7 : SICKLE/MACHETE, 8 : WATER PUMP, 10 : HAND CART/WHEELBARROW, 11 : OX CART, 12 : OX PLOUGH, 13 : TRACTOR, 14 : TRACTOR PLOUGH, 15 : MOTORIZED PUMP, 16 : MECHANICAL DRYER, 17 : SOLAR DRYER, 18 : GRAIN MILL, 19 : POULTRY HOUSE, 20 : LIVESTOCK ENCLOSURE, 21 : STORAGE HOUSE, 23 : LIVESTOCK BARN, 24 : PIG STY, 999 : OTHER Agricultural assets,
- [11] **M01: During <u>the last 12 months</u>, was your household affected negatively by any of the following shocks/stressful events?**
Options: 1 : Drought, 2 : Irregular Rains, 3 : Floods, 4 : Landslides, 5 : Erosion, 6 : Earthquakes, 7 : Unusually High Level of Crop Pests or Disease, 8 : Unusually High Level of Livestock Disease, 9 : Unusually High Costs of Agricultural Inputs, 10 : Unusually Low Prices for Agricultural Output, 11 : Reduction in Earnings of Currently (Off-Farm) Employed Household Member(s), 12 : Loss of Employment of Previously Employed Household Member(s), 13 : Serious Illness or Accident of Income Earner(s), 14 : Serious Illness or Accident of Other Household Member(s), 15 : Death of Income Earner(s), 16 : Death of Other Household Member(s), 17 : Break-Up of Household, 18 : Theft of Money/Valuables/Assets/Agricultural Output, 19 : Conflict/Violence, 20 : Fire, 999 : Other, specify,
- [12] **M02: Rank the three most significant shocks you experienced**
Options: 1 : Drought, 2 : Irregular Rains, 3 : Floods, 4 : Landslides, 5 : Erosion, 6 : Earthquakes, 7 : Unusually High Level of Crop Pests or Disease, 8 : Unusually High Level of Livestock Disease, 9 : Unusually High Costs of Agricultural Inputs, 10 : Unusually Low Prices for Agricultural Output, 11 : Reduction in Earnings of Currently (Off-Farm) Employed Household Member(s), 12 : Loss of Employment of Previously Employed Household Member(s), 13 : Serious Illness or Accident of Income Earner(s), 14 : Serious Illness or Accident of Other Household Member(s), 15 : Death of Income Earner(s), 16 : Death of Other Household Member(s), 17 : Break-Up of Household, 18 : Theft of Money/Valuables/Assets/Agricultural Output, 19 : Conflict/Violence, 20 : Fire, 999 : Other Shocks,
- [13] **H01: In <u>the last 7 days</u>, have you or anyone in your household consumed any of the following in any quantity?**
Options: 1 : Cereals and grain, 2 : Roots and tubers, 3 : Legumes / nuts, 4 : Orange Vegetables, 5 : Green Leafy Vegetables, 6 : Other Vegetables, 7 : Orange Fruits, 8 : Other Fruits, 9 : Meat, 10 : Fish / Shellfish, 11 : Liver, kidney, heart and / or other organ

meats, 12 : Eggs, 13 : Milk and other dairy products, 14 : Oil / fat / butter, 15 : Sugar, or sweet, 16 : Condiments /Spices, 17 : Alcoholic beverages, 18 : Prepared meals,

LEGEND

Legend and structure of information in this file

Name of section	Enabling condition for this section	Type of question, scope	Variable name
SECTION 5: OTHER INCOME SOURCES	E s4_other_sources_which.Contains(98)		
Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur?	I This refers to family relations E s3_time_other > 0 V1 s4_re1_leaders_which.Contains(98) M1 Can not be itself V2 (s3_time_other_breeding_advice <= (50 - s3_time_art_insem_advice)) || s3_time_other_breeding_advice == 0 M2 This person is not in the list F optioncode != s5_ignored_option_code	MULTI-SELECT SCOPE: PREFILLED 01 <input type="checkbox"/> Community animal health workers 02 <input type="checkbox"/> Private 03 <input type="checkbox"/> Government 04 <input type="checkbox"/> Livestock keepers association 05 <input type="checkbox"/> NGO And 5 other [13]	s4_re1_leaders_other
Additional information: "I" – Question instruction "E" – Enabling condition "V1" – Validation condition N°1 "M1" – Message for validation N°1 "F" – Filter in Categorical questions		Link to full set in appendix	

Breadcrumbs

Type or roster	Roster Title
CHAPTER 3 IDENTIFICATION / Roster:	LEADER RELATION DETAILS
generated by fixed list:	
01	Ward Livestock Officer
02	Village Livestock Officer
99	Other (specify)
	List items