Survey Solutions

RJK Endline Survey

SURVEY IDENTIFICATION INFORMATION
QUESTIONNAIRE DESCRIPTION

IDENTIFYING INFORMATION
No sub-sections, No rosters, Questions: 11.

SECTION –A: INTRODUCTION
Sub-sections: 1, No rosters, Questions: 14, Static texts: 1.

SECTION –B: FAMILY RELATED INFORMATION
No sub-sections, Rosters: 1, Questions: 9.

SECTION –C: WATER USER'S GROUPS AND INCOME
No sub-sections, Rosters: 1, Questions: 36, Static texts: 1.

SECTION –D: WEEKLY EXPENDITURE - FOOD
No sub-sections, Rosters: 1, Questions: 5, Static texts: 4.

SECTION –E: AGRICULTURE
Sub-sections: 2, Rosters: 4, Questions: 22, Static texts: 4.

SECTION –E: SEASON DETAILS
No sub-sections, Rosters: 3, Questions: 12, Variables: 1.

SECTION –E: IRRIGATION DETAILS
Sub-sections: 1, Rosters: 1, Questions: 11.

SECTION –E: CROP DETAILS
No sub-sections, Rosters: 1, Questions: 4, Static texts: 1, Variables: 1.

SECTION –E: USE OF AGRICULTURAL TOOLS
No sub-sections, Rosters: 1, Questions: 4.

SECTION -E : FINANCIAL LITERACY
No sub-sections, No rosters, Questions: 5, Static texts: 1.

SECTION –F: AGRICULTURE EXTENSION SERVICES
Sub-sections: 1, Rosters: 1, Questions: 15, Variables: 2.

SECTION F1 - CAULIFLOWER CULTIVATION
Sub-sections: 1, Rosters: 1, Questions: 14.

SECTION F2 - CABBAGE CULTIVATION
Sub-sections: 1, Rosters: 1, Questions: 13.

SECTION F3 - BEAN SEEDS PRODUCTION METHOD
Sub-sections: 1, Rosters: 1, Questions: 13.

SECTION F4 - BANANA CULTIVATION
Sub-sections: 1, Rosters: 1, Questions: 13.

SECTION F5 - SUGARCANE CULTIVATION
Sub-sections: 1, Rosters: 1, Questions: 13.

SECTION F6 - ONION CULTIVATION
Sub-sections: 1, Rosters: 1, Questions: 13.

SECTION F7 - CUCURBITS OFFSEASON CULTIVATION
Sub-sections: 1, Rosters: 1, Questions: 13.

SECTION F8 - CHILIES CULTIVATION
Sub-sections: 1, Rosters: 1, Questions: 13.

SECTION F9 - TOMATO CULTIVATION
Sub-sections: 1, Rosters: 1, Questions: 13.

SECTION F10 - OKRA (LADY'S FINGER) CULTIVATION
Sub-sections: 1, Rosters: 1, Questions: 13.

SECTION F11 - PADDY SEED SELECTION AND TREATMENT
Sub-sections: 1, Rosters: 1, Questions: 11.

SECTION F12 - PADDY BED PREPARATION
Sub-sections: 1, Rosters: 1, Questions: 11.

SECTION F13 - LENTIL CULTIVATION METHOD
Sub-sections: 1, Rosters: 1, Questions: 13.

SECTION F14 - WHEAT CULTIVATION
Sub-sections: 1, Rosters: 1, Questions: 13.

SECTION F15 - POTATO DISEASES AND PREVENTION
Sub-sections: 1, Rosters: 1, Questions: 13.

SECTION F16 - MUSHROOM PRODUCTION
Sub-sections: 1, Rosters: 1, Questions: 12.

SECTION –G: NETWORK MODULE
No sub-sections, Rosters: 2, Questions: 18, Static texts: 1.

SECTION –G: SHOCK MODULE
No sub-sections, Rosters: 2, Questions: 20.

LIVESTOCK AND MUSHROOM
No sub-sections, Rosters: 2, Questions: 16, Static texts: 4.

PLOT MAPPING
Sub-sections: 1, Rosters: 1, Questions: 13.

APPENDIX A — CATEGORIES

LEGEND

Basic information

Title   RJK Endline Survey

IDENTIFYING INFORMATION

Household ID	NUMERIC: INTEGER	hhid

V1 `IsAnswered(self)`
M1 always enter household ID
V2 `self.InRange(1,2510) | self>9000`
M2 Enter correct household id

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

Re-enter Household ID:	NUMERIC: INTEGER	hhid_2

V1 `self==hhid`
M1 This is not the same as entry above.
V2 `IsAnswered(self)`
M2 Always enter household id

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

Is the respondent available for interview?	SINGLE-SELECT	available_1

01 ◯ Yes
02 ◯ No

Did you attempt to reach respondent by phone?	SINGLE-SELECT	available_2

E `available_1==2 & hhid.InRange(1,2510)`
V1 `self!=2`
M1 Please try to call respondent by phone

01 ◯ Yes
02 ◯ No
03 ◯ No phone number available

Did you make a physical attempt at the house?	SINGLE-SELECT	available_3

E `available_2==1 || available_2==3`
V1 `self!=2`
M1 Please make a physical attempt to reach the house

01 ◯ Yes
02 ◯ No
03 ◯ House not found

Take GPS at the house	GPS	available_3a

E `available_3==1`

------------------------------------ .
N

------------------------------------ .
W

------------------------------------ .
A

Did you check with neighbors to confirm household has not moved and to obtain current phone numbers?	SINGLE-SELECT	available_4

E `available_3==1 || available_3==3`
V1 `self!=2`
M1 Please make a physical attempt to check with neighbors

01 ◯ Yes
02 ◯ No

What did the neighbor inform you about the respondent?	SINGLE-SELECT	available_5

E `available_4==1`
V1 `self!=1`
M1 Make at least one more physical attempt if the phone rings; and two more physical attempts if a phone number is unobtainable or does not connect

01 ◯ Target respondent household is present in the area and is available at this time.
02 ◯ Target respondent household is present in the area, but unavailable in the next 4 days.
03 ◯ Target respondent household has moved out of this area

What is the phone number of the person that confirmed that household has moved away or unavailable? E `available_5==3 | available_5==2`	TEXT available_5b ....
Enter date of verification E `available_5==3 | available_5==2`	DATE: CURRENT TIME available_5c ....
Did you make at least one more physical attempt if the phone rings; and two more physical attempts if a phone number is unobtainable or does not connect? E `available_5==1 || available_5==2 || available_5==4` V1 `self!=2` M1 Make at least one more physical attempt if the phone rings; and two more physical attempts if a phone number is unobtainable or does not connect	SINGLE-SELECT available_6 01 ◯ Yes 02 ◯ No

SECTION –A: INTRODUCTION

E `available_1==1`

Take GPS coordinate outside the front of respondent's house	GPS gps_house
V1 `self.Accuracy<9`	N _
M1 Accuracy too low, try again	W _
	A _

STATIC TEXT

Namaste! I come from a organization called. We are collecting data within and around the existing command area of Rani-Jamara-Kulariya Irrigation Project on behalf of the World Bank, and RJKIP. The purpose of the collection of data is to find the midline data of Rani-Jamara-Kulariya Irrigation Project before completion of extension of canal capacity through under-constructing improved irrigation system. The information you give us is completely voluntary and confidential. You can withdraw from the study at any point in time and without giving any reason. In addition, you can refuse to answer any question at any time. Neither your current nor future benefits will be affected if you decide not to participate or if you withdraw from the study or if you decide not to answer any set of questions. All of your answers will be kept in the strictest confidence, and your name will never be connected to any of the answers you provide. The information will be used only for study purpose. This study has been designed by a team of the World Bank country office, Nepal with close coordination of Rani-Jamara-Kulariya Irrigation Project Office and Agriculture Service Center Tikapur. If you have any dough or comment about this study, you feel free to consult/ask with the above-mentioned institutional heads or their representatives.

Do you agree to continue this interview	SINGLE-SELECT consent
	01 ◯ Yes
	02 ◯ No

SECTION –A: INTRODUCTION
BACKGROUND INFORMATION

E `consent==1`

VDC	SINGLE-SELECT vdc
	01 ◯ Baliya
	02 ◯ Chauha
	03 ◯ Dansinhapur
	04 ◯ Durgauli
	05 ◯ Janakinagar
	06 ◯ Munuwa
	07 ◯ Narayanpur
	08 ◯ Pathariya
	09 ◯ Pratapapur
	10 ◯ Tikapur
Ward	NUMERIC: INTEGER ward
	_ .
Village / TOLE	TEXT village
	....
Interview Date	DATE: CURRENT TIME date_start
	....

Interviewers Name	SINGLE-SELECT interviewer_id
	01 ◯ one
	02 ◯ two

Respondent's name	TEXT respondent
V1 self.Length>15	
M1 Name is too short	....

Telephone number	TEXT phone_number
	....

Mother tongue	SINGLE-SELECT language
	01 ◯ Nepali
	02 ◯ Tharu
	03 ◯ Hindi
	96 ◯ Other

Ethnic Group	SINGLE-SELECT ethnic_group
	01 ◯ Brahmin
	02 ◯ Chetri
	03 ◯ Thakuri
	04 ◯ Janajati/ Tharu
	05 ◯ Madhesi
	06 ◯ Dalit
	96 ◯ Others
	07 ◯ Mukta Kumaya

Is this household Mukta Kumaya or Dalit?	SINGLE-SELECT minority
	01 ◯ Yes
	02 ◯ No

Religion	SINGLE-SELECT religion
	01 ◯ Hindu
	02 ◯ Buddhist
	03 ◯ Islam
	04 ◯ Christian
	96 ◯ Others

Language used in Interview	SINGLE-SELECT language_interview
	01 ◯ Nepali
	02 ◯ Tharu
	03 ◯ Hindi
	96 ◯ Other

SECTION –B: FAMILY RELATED INFORMATION

E consent==1

Did this household split or merge with another household in the last 2 years?	SINGLE-SELECT	hh_split
I For example: Did one of the sons get married and start his own household? Or did part of extended family merge with this household?	01 ◯ yes 02 ◯ no	

How many people are in the household?	NUMERIC: INTEGER	hh_size
	- .	

SECTION –B: FAMILY RELATED INFORMATION
Roster: HOUSEHOLD ROSTER
generated by numeric question hh_size

hh_roster

Name of family member %rostertitle%	TEXT	b_1_2
I [Start with HH head's name]	....	

Relationship to Household Head	SINGLE-SELECT	b_1_3
	01 ◯ HH Head	
	02 ◯ Spouse	
	03 ◯ Son/Daughter	
	04 ◯ Son-in-law/Daughter-in-law	
	05 ◯ Grand Child	
	06 ◯ Parent	
	07 ◯ Grand Parent	
	08 ◯ Father–in-law/Mother–in–law	
	09 ◯ Brother/Sister,Brother in law/Sister in law	
	10 ◯ Niece/nephew	
	11 ◯ Children of Brother in law/Sister in law	
	12 ◯ Other Relatives	
	13 ◯ Adopted/foster/stepchild	
	14 ◯ Not related	

Sex	SINGLE-SELECT	b_1_4
	01 ◯ Male	
	02 ◯ Female	

Age	NUMERIC: INTEGER	b_1_5
I If child is under 1 year old, enter 1	- .	

Level of education passed	SINGLE-SELECT	b_1_6
	01 ◯ Primary	
	02 ◯ Secondary	
	03 ◯ H. Secondary	
	04 ◯ Bachelors	
	05 ◯ Masters	
	06 ◯ Informal Education	
	07 ◯ No Education	

Resided in this location in last 30 days?	SINGLE-SELECT b_1_7 01 ◯ At this place 02 ◯ Out of this place but within Nepal 03 ◯ Out of Nepal
Amount of time spent working on family's plots E b_1_5>8	SINGLE-SELECT farm_labor 01 ◯ None 02 ◯ 10-50% 03 ◯ 50-100%

SECTION –C: WATER USER'S GROUPS AND INCOME

E `consent==1`

Have you or your family members ever become members of user's committee of this irrigation system? I Ask for main committee	SINGLE-SELECT c_1_1 01 ◯ yes 02 ◯ no
If yes, in which of the following committee level were you involved? E `c_1_1==1`	MULTI-SELECT c_1_2 01 ☐ tertiary canal committee 02 ☐ sub branch canal committee 03 ☐ branch canal committee 04 ☐ main canal committee
Which canal or sub branch canal committee do you belong to? E `c_1_1==1`	TEXT c_1_3 ....
Are you satisfied with the activities of the Water User's Committee/Association?	SINGLE-SELECT c_1_4 01 ◯ Highly Satisfied 02 ◯ Satisfied 03 ◯ Not satisfied 04 ◯ N/A or Out of Command Area
Is anyone in the household member of Water User Association?	SINGLE-SELECT wua 01 ◯ yes 02 ◯ no
What is your WUA number? E `wua==1`	TEXT wua_number ....
Have you ever participated in any capacity development trainings related to your role in the water users association?	SINGLE-SELECT c_1_5 01 ◯ yes 02 ◯ no
If yes, how do you evaluate the training?	SINGLE-SELECT c_1_6 01 ◯ Useful 02 ◯ Not useful
Did the plots you cultivate or own benefit from command area protection works?	SINGLE-SELECT c_1_7 01 ◯ yes 02 ◯ no
Do you agree with the following statement? "Transporting my crops for sale was made easier due to road improvements from the RJK project"	SINGLE-SELECT c_1_8 01 ◯ yes 02 ◯ no
How long does it take you take reach the nearest medical facility? I in minutes	NUMERIC: INTEGER c_1_9 – SPECIAL VALUES -98 Don't know

If Yes, did you visit a medical facility in the last 1 month? E c_1_9>0	SINGLE-SELECT 01 ◯ yes 02 ◯ no	c_1_10
How much do you spend annually to transport your crops to market? I in NPR	NUMERIC: INTEGER -	c_1_11
Did you or a member of our household visit a BLOCK PRODUCTION DEMONSTRATION PLOT FROM RJK?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	c_1_12
If Yes, what crop was the topic of demonstration? E c_1_12==1	MULTI-SELECT 01 ☐ PADDY-LOCAL 02 ☐ PADDY-IMPROVED 03 ☐ WHEAT-LOCAL 04 ☐ WHEAT-IMPROVED 05 ☐ MAIZE-LOCAL 06 ☐ MAIZE-IMPROVED 07 ☐ MILLET 08 ☐ BARLEY 09 ☐ BUCKWHEAT 10 ☐ OTHER CEREALS 11 ☐ SOYBEANS 12 ☐ BLACK GRAM 13 ☐ RED GRAM 14 ☐ GRASS PEA 15 ☐ LENTIL 16 ☐ GRAM And 64 other symbols [1]	c_1_13
If Yes, did you apply the knowledge you learned at this demonstration? E c_1_12==1	SINGLE-SELECT 01 ◯ yes 02 ◯ no	c_1_14
Did you or a member of our household attend a FARMER FIELD SCHOOL FROM RJK?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	c_1_15

If Yes, what crop was the topic of demonstration? E c_1_15==1	MULTI-SELECT c_1_16
	01 ☐ PADDY-LOCAL
	02 ☐ PADDY-IMPROVED
	03 ☐ WHEAT-LOCAL
	04 ☐ WHEAT-IMPROVED
	05 ☐ MAIZE-LOCAL
	06 ☐ MAIZE-IMPROVED
	07 ☐ MILLET
	08 ☐ BARLEY
	09 ☐ BUCKWHEAT
	10 ☐ OTHER CEREALS
	11 ☐ SOYBEANS
	12 ☐ BLACK GRAM
	13 ☐ RED GRAM
	14 ☐ GRASS PEA
	15 ☐ LENTIL
	16 ☐ GRAM
	And 64 other symbols [2]
If Yes, did you apply the knowledge you learned at this demonstration? E c_1_15==1	SINGLE-SELECT c_1_17 01 ◯ yes 02 ◯ no
Are you using the CROP COLLECTION CENTERS FROM RJK ?	SINGLE-SELECT c_1_18 01 ◯ yes 02 ◯ no
If Yes, what crop was sold? E c_1_18==1	MULTI-SELECT c_1_19
	01 ☐ PADDY-LOCAL
	02 ☐ PADDY-IMPROVED
	03 ☐ WHEAT-LOCAL
	04 ☐ WHEAT-IMPROVED
	05 ☐ MAIZE-LOCAL
	06 ☐ MAIZE-IMPROVED
	07 ☐ MILLET
	08 ☐ BARLEY
	09 ☐ BUCKWHEAT
	10 ☐ OTHER CEREALS
	11 ☐ SOYBEANS
	12 ☐ BLACK GRAM
	13 ☐ RED GRAM
	14 ☐ GRASS PEA
	15 ☐ LENTIL
	16 ☐ GRAM
	And 64 other symbols [3]
Did you receive any equipment subsidized by RJK ?	SINGLE-SELECT c_1_18a 01 ◯ yes 02 ◯ no

If yes, select which one you received in full or partially subsidized by RJK E `c_1_18a==1`	MULTI-SELECT c_1_18_equipment 01 ☐ Plough 02 ☐ Tractor 03 ☐ Power Tiller 04 ☐ Cornplanter 05 ☐ Pumpset 06 ☐ Water Pump (electric) 07 ☐ Water pump (diesel) 08 ☐ Thressure 09 ☐ Harvestor 10 ☐ Sprayer 11 ☐ Water cane 12 ☐ Others
Specify other E `c_1_18_equipment.Contains(12)`	TEXT c_1_18_other ....
Did you receive seeds from RJK ?	SINGLE-SELECT seeds 01 ◯ Yes 02 ◯ No
Did your household receive a tubewell, boring, pumps or other ground water equipment from RJK?	SINGLE-SELECT boring 01 ◯ Yes 02 ◯ No
What is your satisfaction level with RJK project's irrigation component?	SINGLE-SELECT c_1_20 01 ◯ Highly Satisfied 02 ◯ Satisfied 03 ◯ Not satisfied 04 ◯ N/A or Out of Command Area
If not satisfied, give reason E `c_1_20==3`	TEXT c_1_21 ....
What is your satisfaction level with RJK project's agriculture component?	SINGLE-SELECT c_1_22 01 ◯ Highly Satisfied 02 ◯ Satisfied 03 ◯ Not satisfied 04 ◯ N/A or Out of Command Area
If not satisfied, give reason E `c_1_22==3`	TEXT c_1_23 ....

STATIC TEXT

C.2 Non Agricultural Income

SECTION –C: WATER USER'S GROUPS AND INCOME
Roster: INCOME SOURCES
generated by fixed list   income_roster

01   Remittance

02   Pension/Retirement

03   Social Security Allowance

04   Other

Specify other	TEXT	other_income
E @rowcode==4	....	

Monthly Amount	NUMERIC: INTEGER	amount
I PER MONTH	- -	

Did any members of the household do work for a wage or salary in the last week?	SINGLE-SELECT	c_2_2
	01 ◯ yes	
	02 ◯ no	

Select all the household members that did this work	MULTI-SELECT: LINKED	c_2_3
E c_2_2==1		

Earnings in last 1 week,combined for all people in the household	NUMERIC: INTEGER	c_2_4
I NPR	- -	
E c_2_2==1		

Days worked in last 1 week,combined for all people who worked in the household	NUMERIC: INTEGER	c_2_5
I Number of days	- -	
E c_2_2==1		

SECTION –D: WEEKLY EXPENDITURE - FOOD

E   consent==1

SECTION –D: WEEKLY EXPENDITURE - FOOD
Roster: FOOD CATEGORY
generated by fixed list

food_roster

- 01 Flour, Bread
- 02 Rice
- 03 Noodles
- 04 Other cereals (maize,barley, sorghum, millet, wheat)
- 05 Potatoes, sweet potatoes, root vegetables
- 06 Vegetables
- 07 Fruits (fresh and dry)
- 08 Beans & lentils
- 09 Nuts & seeds
- 10 Eggs
- 11 Dairy products (milk, cheese, yoghurt)
- 12 Meat (goat, beef, lamb, pork)
- 13 Poultry (chicken, duck, pidgeon)
- 14 Fish (fresh and dry)
- 15 Oil/fats (ghee, butter, veg oil)
- 16 Sugar, Honey, other sweeteners
- 17 Tea leaves/coffee beans/ground coffee
- 18 Soft Drinks, fruit juices
- 19 Condiments (salt, spices, ginger, sauce, pickle, garlic, onions, ketchup, etc.)
- 20 Meals prepared outside HH

Has your HH consumed any %rostertitle% from your own production over the last week? E !@rowcode.InList(3,20)	SINGLE-SELECT 01 ◯ yes 02 ◯ no	d_1_1

STATIC TEXT

E !@rowcode.InList(3,10,11,15,18,20)

UNIT: KG

STATIC TEXT

E @rowcode.InList(11,15,18)

UNIT: LITER

STATIC TEXT

E @rowcode.InList(3)

UNIT: PACKET

STATIC TEXT

E @rowcode.InList(10)

UNIT: NUMBER

How much %rostertitle% of your own production did your HH consume over the last week? E d_1_1==1	NUMERIC: INTEGER ‒	d_1_2
Has your HH purchased any %rostertitle% over the last week?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	d_1_3
How much %rostertitle% did you purchase? E d_1_3==1 & @rowcode!=20	NUMERIC: INTEGER ‒	d_1_4
How much in total did your HH spend on purchased %rostertitle% over the last week? E d_1_3==1	NUMERIC: INTEGER ‒	d_1_5

SECTION –E: AGRICULTURE

E consent==1

STATIC TEXT

E.1 Please give the detail of the ownership status of all your land.

SECTION –E: AGRICULTURE
Roster: TYPE OF LAND
generated by fixed list   e_1

01   Khet (Lowland)

02   Bari (Upland)

03   Orchard

04   Fish Pond

05   Jungle/Grassland

06   Home Yard

07   Others

SECTION –E: AGRICULTURE / TYPE OF LAND
OWNED

E.1.1 Area inside Command of RJKIP (Kaththa)	NUMERIC: INTEGER e_1_1a
	- .
E.1.2 Area outside of command of RJKIP (Kaththa)	NUMERIC: INTEGER e_1_2a
	- .

SECTION –E: AGRICULTURE / TYPE OF LAND
RENTED

E.1.1 Area inside Command of RJKIP (Kaththa)	NUMERIC: INTEGER e_1_1b
	- .
E.1.2 Area outside of command of RJKIP (Kaththa)	NUMERIC: INTEGER e_1_2b
	- .

STATIC TEXT

E.2 Please give the details of all land area cultivated by you in last 1 year

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SECTION –E: AGRICULTURE
Roster: TYPE OF LAND
generated by fixed list   e_2

01   Khet

02   Bari

03   Orchard

04   Home Yard

05   Banana Land

06   Perenial crop land

07 Others

E.2.1 Area under Summer crop	NUMERIC: INTEGER	e_2_1
E.2.2 Area under Winter crop	NUMERIC: INTEGER	e_2_2
E.2.3 Area under Spring crop	NUMERIC: INTEGER	e_2_3
E.2.4. Area under perennial crops	NUMERIC: INTEGER	e_2_4

STATIC TEXT

E.3 Please give the detail of all land area by cultivation seasons

SECTION –E: AGRICULTURE
Roster: SEASONS
generated by fixed list
e_4

01 Summer(Ashadh-Ashwin)

02 Spring(Chaitra-Jeshtha)

03 Winter(Kartik-Falgun)

04 Perennial crops

E.3.1 Self cultivated own land (kaththa)	NUMERIC: INTEGER	e_3_1
E.3.2 Land Tenant-in (kaththa)	NUMERIC: INTEGER	e_3_2
E.3.3 Land Tenant-out (kaththa)	NUMERIC: INTEGER	e_3_3

STATIC TEXT

E.4 Now we would like to ask you about the activities you do on specific plots. Could you please tell me about all the plots you cultivated in the last year? (Record name of all plots below).

| How many plots do you own, rented in and rent out in the last year? | NUMERIC: INTEGER | plot_num |

V1 self>=0

M1 Can not be negative

SECTION –E: AGRICULTURE
Roster: PLOT ROSTER
generated by numeric question plot_num
plot_roster

| E.4.2 Name of plot | TEXT | e_4_2 |
| E.4.3 What is the area of this plot? (Kaththa) | NUMERIC: INTEGER | e_4_3 |

E.4.4 Do you own this land?	SINGLE-SELECT	e_4_4
	01 ◯ Own	
	02 ◯ Rent-in	
	03 ◯ Rent-out	

What was the value of rent paid or collected, annually?	NUMERIC: INTEGER	e_4_5
I NPR E e_4_4.InList(2,3)	‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ .	

If you could sell the plot today, what price can you get for selling this plot?	NUMERIC: INTEGER	e_4_6
E e_4_4==1	‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ ‐ .	

Is this plot irrigated by the RJK canals?	SINGLE-SELECT	e_4_7
	01 ◯ Fully Irrigated by RJK	
	02 ◯ Partially irrigated by RJK and another source	
	03 ◯ Un-irrigated or irrigated only by another source	

Which canal?	SINGLE-SELECT	e_4_8
E e_4_7.InList(1,2)	01 ◯ JAMARA	
	02 ◯ KULARIYA	
	03 ◯ RANI	

Which sub canal?	SINGLE-SELECT: CASCADING	e_4_8A
	101 ◯ DHARAMPUR	
	102 ◯ KUNTIPATHBHAR	
	103 ◯ SUBARNAPUR	
	104 ◯ JAGATPUR	
	105 ◯ BIJULIYA	
	106 ◯ LIPUR	
	107 ◯ BHAGATPUR	
	108 ◯ MOTINAGAR	
	109 ◯ BIRENDRA	
	110 ◯ GYANI	
	111 ◯ MAKRI	
	112 ◯ RAMPUR KATANPUR	
	113 ◯ GHIYA BHARATPUR	
	201 ◯ AMARAWOTI	
	202 ◯ KHAIRAPHANTA	
	203 ◯ BHADAWA	
	And 26 other symbols [4]	

If irrigated by another source, what is the other source?	SINGLE-SELECT	e_4_9
E e_4_7.InList(2,3)	01 ◯ Canal	
	02 ◯ Tubewell	
	03 ◯ Deep Tubewell / Boring	
	04 ◯ Pond	
	05 ◯ Well	
	06 ◯ Rainfed	

How much did you spend to irrigate this plot per year?	NUMERIC: INTEGER	e_4_10
I [NPR] [include the cost of pump and maintenance fees] [enter 0 if didn't spend any money on irrigation]	------------------------------	

SECTION –E: SEASON DETAILS

E   `consent==1`

SECTION –E: SEASON DETAILS
Roster: CULTIVATED PLOTS
generated by numeric question `plot_num`

`cultivated_plots`

Which seasons was this plot cultivated?	MULTI-SELECT seasons

E   `e_4_4.InList(1,2)`
V1   `// either "Don't know" not selected... !self.Contains(0)`
`|| // ...or "Don't know" is the only answer provided sel`
`f.ContainsOnly(0)`
M1   Can't select "Not cultivated" in combination with other choices
	01 ☐ Summer
	02 ☐ Winter
	03 ☐ Spring
	04 ☐ Annual or Perenial
	00 ☐ Not cultivated this plot in the last year

SECTION –E: SEASON DETAILS / CULTIVATED PLOTS
Roster: SEASONS CULTIVATED
generated by multi-select question `seasons`

`season_roster`

E   `!seasons.ContainsAny(0)`

Select all crops cultivated in %rostertitle% in plot e_4_2:	MULTI-SELECT crops
	01 ☐ PADDY-LOCAL 02 ☐ PADDY-IMPROVED 03 ☐ WHEAT-LOCAL 04 ☐ WHEAT-IMPROVED 05 ☐ MAIZE-LOCAL 06 ☐ MAIZE-IMPROVED 07 ☐ MILLET 08 ☐ BARLEY 09 ☐ BUCKWHEAT 10 ☐ OTHER CEREALS 11 ☐ SOYBEANS 12 ☐ BLACK GRAM 13 ☐ RED GRAM 14 ☐ GRASS PEA 15 ☐ LENTIL 16 ☐ GRAM And 64 other symbols [5]

SECTION –E: SEASON DETAILS / CULTIVATED PLOTS / SEASONS CULTIVATED
Roster: CROPS
generated by multi-select question `crops`

`crop_roster`

VARIABLE @rowcode	LONG crop_code
crop variety E `crops.ContainsAny(1,2,3,4,5,6)`	TEXT crop_variety ••

What is the area of this plot under cultivation for this crop in this season? I KATTHA	NUMERIC: INTEGER e_5_3 ------------------------------
What was the crop stand?	SINGLE-SELECT crop_stand 01 ◯ Pure stand 02 ◯ Relay 03 ◯ Mixed stand
How much seed did you use for this crop in this season? I KG	NUMERIC: INTEGER e_5_4 ------------------------------
What was the total quantity of this crop you harvested from this plot in this season?	NUMERIC: INTEGER e_5_5 ------------------------------
How much organic manure did you use in this season? I KG	NUMERIC: INTEGER e_5_6 ------------------------------
How much chemical fertilizer did you use in this season? I KG	NUMERIC: INTEGER e_5_7 ------------------------------
How much did you spend on micro-nutrients? I NPR	NUMERIC: INTEGER e_5_8 ------------------------------
How many person-days did family members spend working on this plot for this crop? I PERSON DAYS	NUMERIC: INTEGER e_5_9 ------------------------------
How much did you spend on hired labor for this plot and crop? I NPR	NUMERIC: INTEGER e_5_10 ------------------------------

SECTION –E: IRRIGATION DETAILS

E consent==1

SECTION –E: IRRIGATION DETAILS
Roster: IRRIGATION DETAILS
generated by numeric question `plot_num`

<div align="right">irrigation_roster</div>

SECTION –E: IRRIGATION DETAILS / IRRIGATION DETAILS
IRRIGATION DETAILS

E e_4_4.InList(1,2) & e_4_7.InList(1,2)

Question	Response	
How much did you pay in maintenance fees for this season? I NPR /br Enter -999 if didn't pay	NUMERIC: INTEGER ------------------------------	e_8_2
Area irrigated I (Kaththa)	NUMERIC: INTEGER ------------------------------	e_8_3
Total number of irrigations	NUMERIC: INTEGER ------------------------------	e_8_4
Depth of irrigation I (Cm) [If done with groundwater write "-99"] [Enter "-888" for Don't know]	NUMERIC: INTEGER ------------------------------	e_8_5
Could you get sufficient water for flooding?	SINGLE-SELECT 01 ◯ Not enough available 02 ◯ Just enough 03 ◯ More than Enough	e_8_6
Average length of one irrigation turn? I HOURS	NUMERIC: INTEGER ------------------------------	e_8_7
How long did it take you to irrigate your plot? I HOURS	NUMERIC: INTEGER ------------------------------	e_8_8
Did the timing of your canal water turn meet your needs?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	e_8_9
How was the quality of canal water?	SINGLE-SELECT 01 ◯ Good 02 ◯ Somewhat brackish 03 ◯ Brackish -98 ◯ Don't know	e_8_10
Did you use a pump to extract water from the canal?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	e_8_11

Did you use your full share of water allocation?	SINGLE-SELECT e_8_12
	00 ◯ No turns
	01 ◯ All turns
	02 ◯ Most turns
	03 ◯ Few turns

SECTION –E: CROP DETAILS

E consent==1

Roster: CROP SALE
generated by fixed list

crop_sale

00 EARLY PADDY

01 PADDY-LOCAL

02 PADDY-IMPROVED

03 WHEAT-LOCAL

04 WHEAT-IMPROVED

05 MAIZE-LOCAL

06 MAIZE-IMPROVED

07 MILLET

08 BARLEY

09 BUCKWHEAT

10 OTHER CEREALS

11 SOYBEANS

12 BLACK GRAM

13 RED GRAM

14 GRASS PEA

15 LENTIL

16 GRAM

17 PEA

18 GREEN GRAM

19 COARSE GRAM

20 COW PEA

21 OTHER LEGUMES

22 WINTER POTATO

23 SUMMER POTATO

24 SWEET POTATO

25 COLOCASIA

26 OTHER TUBERS

27 MUSTARD

28 GROUND NUT

29 LINSEED

30 SESAME

31 OTHER OILSEED

32 SUGARCANE

33 JUTE

34 TOBACCO

35 OTHER CASH CROPS

36 CHILLIES

37 ONIONS

38 GARLIC

39	GINGER
40	TURMERIC
41	CARDAMOM
42	CORIANDER SEED
43	OTHER SPICES
44	CAULIFLOWER
45	CABABE
46	BROCCOLI
47	TOMATO
48	BRINGEL
49	RADISH
50	BITTER GUARD
51	BOTTLE GUARD
52	OTHER GUARDS
53	CARROT
54	LEAFY VEGETBLES
55	CUCUMBER
56	LADIES FINGER
57	PUMPKIN
58	AMARANTHUS
59	ORANGE
60	LEMON
61	LIME
62	SWEET LIME
63	OTHER CITRUS
64	MANGO
65	BANANA
66	GOUVA
67	JACK FRUIT
68	PINEAPPLE
69	LICHEE
70	PEAR
71	APPLE
72	PLUM
73	PAPAYA
74	POMEGRANATE
75	OTHER FRUITS
76	TEA
77	THATCH
78	FODDER TREES
79	BAMBOO
80	OTHER TREES

E `cultivated_plots.Any(p=>p.season_roster.Any((c=>c.crop_roster.Where(d=>d.e_5_5>0).Any(d=>d.crop_code.InList(@rowcode)))))`

VARIABLE	LONG	crop_sales_total
`plot_roster.SelectMany(a=>a.season_roster).SelectMany(d=>d.crop_roster).Where(c=>c.crop_code==@rowcode).Select(e=>e.e_5_5).Sum()`		

Total Quantity Harvested - %crop_sales_total% KG

Stock in Store	NUMERIC: INTEGER e_9_5
I KG	– .
Quantity Sold	NUMERIC: INTEGER e_9_6
I KG	– .
Price Per KG	NUMERIC: INTEGER e_9_7
I NPR	– .
	SPECIAL VALUES -999 Don't know
Amount given as payment for land rent	NUMERIC: INTEGER e_9_8
I KG	– .

SECTION –E: USE OF AGRICULTURAL TOOLS

E consent==1

SECTION –E: USE OF AGRICULTURAL TOOLS

Roster: AGRICULTURE-TOOLS/INPUTS

generated by fixed list   tools_roster

01   Plough

02   Tractor

03   Power Tiller

04   Cornplanter

05   Pumpset

06   Water Pump (electric)

07   Water pump (diesel)

08   Thressure

09   Harvestor

10   Sprayer

11   Water cane

12   Others

Specify other	TEXT tools_specify
E @rowcode==12	....

Did you use %rostertitle% ?	SINGLE-SELECT e_10_1
	01 ◯ Used-own
	02 ◯ Used-rented
	03 ◯ Not Used

Price paid to rent or buy %rostertitle%	NUMERIC: INTEGER e_10_4
I NPR	
E e_10_1.InList(1,2)	– .

How much did you pay for transporting crops in the last 12 months?	NUMERIC: INTEGER transport_cost
	– .
I include rentals of tractors, buffalo cart or truck.	SPECIAL VALUES
	00 Did not pay for transport related t o crop cultivation

SECTION -E : FINANCIAL LITERACY

E   consent==1

STATIC TEXT

I will now ask a few questions on financial literacy.

Imagine you have a small business, if your income for one month was 50,000 Rupees, and your expenditures for one month were 47,000 Rupees, what were your profits for that month?	NUMERIC: INTEGER · fin1

What is considered as household income? Select all that apply:	MULTI-SELECT: YES/NO · · · · · · · fin2 01 ☐ / ☐ Money from selling crops 02 ☐ / ☐ Interest earned from Savings Account in Cooperative 03 ☐ / ☐ Money paid for children's school fees 04 ☐ / ☐ Money from working in salary job 05 ☐ / ☐ Money earned by working in another farmer's field 06 ☐ / ☐ Remittances that your son sends every 3 months 07 ☐ / ☐ Interest paid to money lender

What is considered as household expenditures? Select all that apply:	MULTI-SELECT: YES/NO · · · · · · · fin3 01 ☐ / ☐ Money from selling crops 02 ☐ / ☐ Money spent on rice, meat and cooking oil 03 ☐ / ☐ Money paid for children's school fees 05 ☐ / ☐ Money paid to farm hands to work your farm plots 06 ☐ / ☐ Remittances that your son sends every 3 months 07 ☐ / ☐ Interest paid to money lender 08 ☐ / ☐ Money spend on clothes for your family

If you borrowed 10,000 Rupees from a moneylender and he demands 1,000 Rupees every month as interest, what is the MONTHLY interest rate?	SINGLE-SELECT · · · · · · · fin4 01 ◯ 1% 02 ◯ 5% 03 ◯ 10% 04 ◯ 15%

If you borrowed 10,000 Rupees from a moneylender and he demands 1,000 Rupees every month as interest, what is the ANNUAL interest rate?	SINGLE-SELECT · · · · · · · fin5 01 ◯ 20% 02 ◯ 50% 03 ◯ 100% 04 ◯ 120% 05 ◯ 150

SECTION –F: AGRICULTURE EXTENSION SERVICES

E `consent==1`

Did you receive any training from RJKIP, Agriculture Component?	SINGLE-SELECT f_1 01 ◯ yes 02 ◯ no
Was this training a Farmer Field School? E `f_1==1`	SINGLE-SELECT ffs 01 ◯ Yes 02 ◯ No

SECTION –F: AGRICULTURE EXTENSION SERVICES
DO YOU AGREE WITH THE FOLLOWING STATEMENTS

The training was useful to me. E `f_1==1`	SINGLE-SELECT f_2 01 ◯ Strongly Agree 02 ◯ Agree 03 ◯ Neutral 04 ◯ Disagree 05 ◯ Strongly disagree
The trainer was well prepared and knowledgeable. E `f_1==1`	SINGLE-SELECT f_3 01 ◯ Strongly Agree 02 ◯ Agree 03 ◯ Neutral 04 ◯ Disagree 05 ◯ Strongly disagree
Did you understand the training's language of delivery. E `f_1==1`	SINGLE-SELECT f_4 01 ◯ Very well 02 ◯ Well 03 ◯ Somewhat 04 ◯ Not at all
The content of the training was useful for the training E `f_1==1`	SINGLE-SELECT f_5 01 ◯ Strongly Agree 02 ◯ Agree 03 ◯ Neutral 04 ◯ Disagree 05 ◯ Strongly disagree
The materials used for the training (PowerPoint, leaflets, brochure, etc.) was useful E `f_1==1`	SINGLE-SELECT f_6 01 ◯ Strongly Agree 02 ◯ Agree 03 ◯ Neutral 04 ◯ Disagree 05 ◯ Strongly disagree

Which of the following training sessions offered by the RJKIP Agriculture Implementation Office did you attend? E f_1==1	MULTI-SELECT: ORDERED f_7 01 ☐ Cauliflower 02 ☐ Cabbage Cultivation 03 ☐ Bean Seeds Production Methods 04 ☐ Banana Cultivation 05 ☐ Sugarcane Cultivation 06 ☐ Onion Cultivation 07 ☐ Cucurbits Offseason Cultivation 08 ☐ Chillies Cultivation 09 ☐ Tomato Cultivation 10 ☐ Okra (lady's finger) cultivation 11 ☐ Paddy Seed Selection and Treatment 12 ☐ Paddy Bed Preparation 13 ☐ Lentil Cultivation 14 ☐ Wheat Cultivation 15 ☐ Potato Diseases and Prevention 16 ☐ Other And 1 other symbols [6]
What was the topic of training? E f_7.ContainsAny(16)	TEXT f_7_other ....
VARIABLE f_7[0]	LONG trained_on
F.8 Did you receive any training on cultivation from NGOs/INGOs other than RJKIP Ag Sector?	SINGLE-SELECT f_8 01 ◯ yes 02 ◯ no
How many such trainings did you receive? E f_8==1 V1 self>0 M1 Can not be negative or zero	NUMERIC: INTEGER f_8_num –

SECTION –F: AGRICULTURE EXTENSION SERVICES
Roster: EXTERNAL TRAINING
generated by numeric question f_8_num   external_training

State the names of the trainings you received	TEXT f_2_10 ....
State the names of the INGOs/NGOs that provided you with training	TEXT f_2_9 ....

Select the crop covered in training	MULTI-SELECT		f_2_crop
	01 ☐ PADDY-LOCAL		
	02 ☐ PADDY-IMPROVED		
	03 ☐ WHEAT-LOCAL		
	04 ☐ WHEAT-IMPROVED		
	05 ☐ MAIZE-LOCAL		
	06 ☐ MAIZE-IMPROVED		
	07 ☐ MILLET		
	08 ☐ BARLEY		
	09 ☐ BUCKWHEAT		
	10 ☐ OTHER CEREALS		
	11 ☐ SOYBEANS		
	12 ☐ BLACK GRAM		
	13 ☐ RED GRAM		
	14 ☐ GRASS PEA		
	15 ☐ LENTIL		
	16 ☐ GRAM		
	And 64 other symbols [7]		

VARIABLE	DOUBLE	random
Quest.IRnd()		

What new agricultural technology or practice did you adopt in the last 2 years?	LIST	new_technology
I Enter none, if household did not adopt any new technology.	··	

SECTION F1 - CAULIFLOWER CULTIVATION

E `(random.InRange(0.066,0.132) |random.InRange(0,0.066) | trained_on==1) & consent==1`

Did you receive a training on cauliflower cultivation?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f1_a_1

SECTION F1 - CAULIFLOWER CULTIVATION
TRAINING DETAILS

E `f1_a_1==1`

Who did you receive this training from?	MULTI-SELECT 01 ☐ RJK 02 ☐ DADO 03 ☐ USAID 04 ☐ NGO 05 ☐ Other	f1a_1
Specify other E `f1a_1.Contains(5)`	TEXT	f2a_1

SECTION F1 - CAULIFLOWER CULTIVATION / TRAINING DETAILS
Roster: TRAINING DETAILS
generated by multi-select question f1a_1

f1_roster

What was the year of training from %rostertitle%? V1 `self.InRange(2066,2076)` M1 Date of training outside of plausible range	NUMERIC: INTEGER	f1_year
Did you apply or practice the learnt knowledge and practices from the training?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f3a_1
If yes what practices did you apply in the field? E `f3a_1==1`	TEXT	f4a_1
If no, could you please state reasons for not using the knowledge? E `f3a_1==2`	TEXT	f5a_1
How can you prevent your cauliflower from Molybdenum deficiency (with symptoms of crumpled and overcrowded white and yellow leaves)?	SINGLE-SELECT 01 ◯ Use Boron while preparing soil for plantation 02 ◯ Spray Boron mixed in water 03 ◯ Use 45 gram of Sodium Ammonium Molybdenum mixed with chemical fertilizer per Ropani of land 04 ◯ Don't know	f6a_1

How can you prevent your cauliflower from not growing to its full potential?	SINGLE-SELECT f7a_1 01 ○ Transplanting seedlings to fertile soil on time 02 ○ Use Nitrogen rich fertilizer on time 03 ○ Maintain appropriate soil moisture 04 ○ All of the above 05 ○ Don't know
Name any two cauliflower diseases I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 // either "Don't know" not selected... !self.Contains(4) || // ...or "Don't know" is the only answer provided self.ContainsOnly(4) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f8a_1 01 ☐ Club root (gada jasto jara hune) 02 ☐ Damping off (Biruwa marne rog) 03 ☐ Powdery mildew (Kapasedhusi) 04 ☐ Don't know
Name two insects that can affect cauliflowers negatively I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 // either "Don't know" not selected... !self.Contains(5) || // ...or "Don't know" is the only answer provided self.ContainsOnly(5) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f9a_1 01 ☐ Cabbage butterfly 02 ☐ Tobacco butterfly 03 ☐ Brick pattern larvae 04 ☐ Aphid (lahi) 05 ☐ Don't know
How does cabbage butterfly damage cauliflower plants?	SINGLE-SELECT f10a_1 01 ○ Damage the stem 02 ○ Damage the leaves 03 ○ Damage the crown 04 ○ Don't know
Which planting season can potentially produce maximum profits from cauliflower cultivation?	SINGLE-SELECT f11a_1 01 ○ On season 02 ○ Off season 03 ○ Both (1) and (2) 04 ○ Don't know
Name three types of cauliflower that are regular season (any three would suffice) V1 // either "Don't know" not selected... !self.Contains(5) || // ...or "Don't know" is the only answer provided self.ContainsOnly(5) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f12a_1 01 ☐ Snow Crown 02 ☐ Snow King 03 ☐ Kathmandu local 04 ☐ Jyapu local 05 ☐ Don't know

SECTION F2 - CABBAGE CULTIVATION

E `(random.InRange(0.132,0.198) |random.InRange(0.066,0.132) | trained_on==2) & consent==1`

Did you receive a training on cabbage cultivation?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f1_a_2

SECTION F2 - CABBAGE CULTIVATION
TRAINING DETAILS

E `f1_a_2==1`

Who did you receive this training from?	MULTI-SELECT 01 ☐ RJK 02 ☐ DADO 03 ☐ USAID 04 ☐ NGO 05 ☐ Other	f1a_2
Specify other E `f1a_2.Contains(5)`	TEXT ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯	f2a_2

SECTION F2 - CABBAGE CULTIVATION / TRAINING DETAILS
Roster: TRAINING DETAILS
generated by multi-select question f1a_2

f2_roster

What was the year of training from %rostertitle%? V1 `self.InRange(2066,2076)` M1 Date of training outside of plausible range	NUMERIC: INTEGER ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯	f2_year
Did you apply or practice the learnt knowledge and practices from the training?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f3a_2
If yes what practices did you apply in the field? E `f3a_2==1`	TEXT ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯	f4a_2
If no, could you please state reasons for not using the knowledge? E `f3a_2==2`	TEXT ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯	f5a_2
What is the optimal amount of seed for cultivation per kattha?	SINGLE-SELECT 01 ◯ 5 gram 02 ◯ 10 gram 03 ◯ 15 gram 04 ◯ None of the above 05 ◯ Don't know	f6a_2

How can we protect seedlings from extreme temperature/rain?	SINGLE-SELECT	f7a_2
	01 ○ Cover seedlings with stray or grass	
	02 ○ No need to protect the seedlings	
	03 ○ Don't know	

The best season with suitable environment for cabbage is	MULTI-SELECT	f8a_2
I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]	01 ☐ Summer	
V1 // either "Don't know" not selected... !self.Contains(4) || // ...or "Don't know" is the only answer provided self.ContainsOnly(4)	02 ☐ Winter	
	03 ☐ Spring	
M1 Can't select "Don't know" in conjunction with other options.	04 ☐ Don't know	

Name three varieties of cabbage	MULTI-SELECT	f9a_2
I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]	01 ☐ Greenstone	
V1 // either "Don't know" not selected... !self.Contains(6) || // ...or "Don't know" is the only answer provided self.ContainsOnly(6)	02 ☐ Green coronate	
	03 ☐ Zenisth	
	04 ☐ Super Green	
M1 Can't select "Don't know" in conjunction with other options.	05 ☐ All green	
	06 ☐ Don't know	

Name two common diseases of cabbage	MULTI-SELECT	f10a_2
V1 // either "Don't know" not selected... !self.Contains(4) || // ...or "Don't know" is the only answer provided self.ContainsOnly(4)	01 ☐ Club root	
	02 ☐ Kapase dhusi	
	03 ☐ Alterneria thople	
M1 Can't select "Don't know" in conjunction with other options.	04 ☐ Don't know	

Name two most comoin insects that affect cabbage plants	MULTI-SELECT	f11a_2
V1 // either "Don't know" not selected... !self.Contains(5) || // ...or "Don't know" is the only answer provided self.ContainsOnly(5)	01 ☐ Cabbage butterfly	
	02 ☐ Tobacco butterfly	
	03 ☐ Brick pattern larvae	
M1 Can't select "Don't know" in conjunction with other options.	04 ☐ Aphid (lahi)	
	05 ☐ Don't know	

SECTION F3 - BEAN SEEDS PRODUCTION METHOD

E `(random.InRange(0.198,0.264) |random.InRange(0.132,0.198) | trained_on==3) & consent==1`

Did you receive a training on Bean Seeds Production?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f1_a_3

SECTION F3 - BEAN SEEDS PRODUCTION METHOD
TRAINING DETAILS

E `f1_a_3==1`

Who did you receive this training from?	MULTI-SELECT 01 ☐ RJK 02 ☐ DADO 03 ☐ USAID 04 ☐ NGO 05 ☐ Other	f1a_3
Specify other E `f1a_3.Contains(5)`	TEXT	f2a_3

SECTION F3 - BEAN SEEDS PRODUCTION METHOD / TRAINING DETAILS
Roster: TRAINING DETAILS
generated by multi-select question f1a_3

f3_roster

What was the year of training from %rostertitle%? V1 `self.InRange(2066,2076)` M1 Date of training outside of plausible range	NUMERIC: INTEGER --------------------------------	f3_year
Did you apply or practice the learnt knowledge and practices from the training?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f3a_3
If yes what practices did you apply in the field? E `f3a_3==1`	TEXT	f4a_3
If no, could you please state reasons for not using the knowledge? E `f3a_3==2`	TEXT	f5a_3
Name three major early steps to keep in mind for bean seeds production	SINGLE-SELECT 01 ◯ Selection of appropriate soil 02 ◯ maintaining proper distance between plants 03 ◯ Land Preparation 04 ◯ Bean planting methods 05 ◯ Fertilizer selection and use 06 ◯ Don't know	f6a_3

Where should one buy the bean seeds from?	SINGLE-SELECT f7a_3 01 ◯ Agrovet 02 ◯ Seed company 03 ◯ Agriculture research station 04 ◯ Agricultural Cooperative 05 ◯ Seed producing farm (cooperative) 06 ◯ All of the above 07 ◯ Don't know
Name two organic or inorganic fertilizers that can be used for healthy high quality plant and seeds (any of two works): I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 // either "Don't know" not selected... !self.Contains(4) || // ...or "Don't know" is the only answer provided self.ContainsOnly(4) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f8a_3 01 ☐ Compost 02 ☐ Nitrogen 03 ☐ Potash 04 ☐ Don't know
When is the best time to harvest the peas? I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 // either "Don't know" not selected... !self.Contains(5) || // ...or "Don't know" is the only answer provided self.ContainsOnly(5) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f9a_3 01 ☐ When the bean pods turn yellow 02 ☐ When pea pods are still green 03 ☐ Pea pods are dry and brown 04 ☐ None of the above 05 ☐ Don't know
To store the bean seeds properly, farmers should dry the seeds properly	SINGLE-SELECT f10a_3 01 ◯ False 02 ◯ True 03 ◯ Don't know
Bean seeds can be stored immediately after drying.	SINGLE-SELECT f11a_3 01 ◯ False 02 ◯ True 03 ◯ Don't know

SECTION F4 - BANANA CULTIVATION

E `(random.InRange(0.264,0.33) |random.InRange(0.198,0.264) | trained_on==4) & consent==1`

Did you receive a training on Banana Cultivation?	SINGLE-SELECT	f1_a_4
	01 ◯ yes	
	02 ◯ no	

SECTION F4 - BANANA CULTIVATION
TRAINING DETAILS

E `f1_a_4==1`

Who did you receive this training from?	MULTI-SELECT	f1a_4
	01 ☐ RJK	
	02 ☐ DADO	
	03 ☐ USAID	
	04 ☐ NGO	
	05 ☐ Other	

Specify other	TEXT	f2a_4
E `f1a_4.Contains(5)`		

SECTION F4 - BANANA CULTIVATION / TRAINING DETAILS
Roster: TRAINING DETAILS
generated by multi-select question f1a_4

f4_roster

What was the year of training from %rostertitle%?	NUMERIC: INTEGER	f4_year
V1 `self.InRange(2066,2076)`		
M1 Date of training outside of plausible range		

Did you apply or practice the learnt knowledge and practices from the training?	SINGLE-SELECT	f3a_4
	01 ◯ yes	
	02 ◯ no	

If yes what practices did you apply in the field?	TEXT	f4a_4
E `f3a_4==1`		

If no, could you please state reasons for not using the knowledge?	TEXT	f5a_4
E `f3a_4==2`		

Banana cultivation should be rotated every 3-4 years for protection from insects and diseases related to banana plants	SINGLE-SELECT	f6a_4
	01 ◯ False	
	02 ◯ True	
	04 ◯ Don't know	

How is land prepared for banana cultivation?	SINGLE-SELECT f7a_4 01 ⭕ Prepare raised bed with ridges for irrigation 02 ⭕ Transplant the banana in the field directly 03 ⭕ Make hole/ ditches and transplant the suckers 04 ⭕ All of the above 05 ⭕ Don't know
What is the advantage of crop rotation with banana cultivation I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]	SINGLE-SELECT f8a_4 01 ⭕ Reduce the likelihood of diseases and insects 02 ⭕ Maintain the soil fertility 03 ⭕ Both (1) and (2) 04 ⭕ Don't know
How many banana suckers are required per bigha?	SINGLE-SELECT f9a_4 01 ⭕ 400 - 700 02 ⭕ 700 - 1800 03 ⭕ 1800 - 2000 04 ⭕ All of the above 05 ⭕ Don't know
Name three common varities of bananas: V1 // either "Don't know" not selected... !self.Contains(6) || // ...or "Don't know" is the only answer provided self.ContainsOnly(6) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f10a_4 01 ☐ William Hybrid 02 ☐ Harichhal 03 ☐ Malbhog 04 ☐ Z 9 05 ☐ Chinichampa 06 ☐ Don't know
Name two diseases that are common to banana plants V1 // either "Don't know" not selected... !self.Contains(4) || // ...or "Don't know" is the only answer provided self.ContainsOnly(4) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f11a_4 01 ☐ Bunch top (tuppo ma jhuppa) 02 ☐ Panam disease (Kerako bot ailaune) 03 ☐ Anthracnore (kotre rog) 04 ☐ Don't know

SECTION F5 - SUGARCANE CULTIVATION

E `(random.InRange(0.33,0.396) |random.InRange(0.264,0.33) | trained_on==5) & consent==1`

Did you receive a training on Sugarcane Cultivation?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f1_a_5

SECTION F5 - SUGARCANE CULTIVATION
TRAINING DETAILS

E `f1_a_5==1`

Who did you receive this training from?	MULTI-SELECT 01 ☐ RJK 02 ☐ DADO 03 ☐ USAID 04 ☐ NGO 05 ☐ Other	f1a_5
Specify other E `f1a_5.Contains(5)`	TEXT	f2a_5

SECTION F5 - SUGARCANE CULTIVATION / TRAINING DETAILS
Roster: TRAINING DETAILS
generated by multi-select question f1a_5

f5_roster

What was the year of training from %rostertitle%? V1 `self.InRange(2066,2076)` M1 Date of training outside of plausible range	NUMERIC: INTEGER --------------------------------	f5_year
Did you apply or practice the learnt knowledge and practices from the training?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f3a_5
If yes what practices did you apply in the field? E `f3a_5==1`	TEXT	f4a_5
If no, could you please state reasons for not using the knowledge? E `f3a_5==2`	TEXT	f5a_5
One kattha of land requires 60 - 80 kilos of sugarcane seeds.	SINGLE-SELECT 01 ◯ False 02 ◯ True 04 ◯ Don't know	f6a_5
Name three varieties of sugarcane I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 `// either "Don't know" not selected... !self.Contains(4) || // ...or "Don't know" is the only answer provided self.ContainsOnly(4)` M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT 01 ☐ Jeetpur 1 02 ☐ Jeetpur 2 03 ☐ B. O. -17, 32, 34, 42, 47, 50 04 ☐ Don't know	f7a_5

Depending on the conditions of pests and diseases, sugarcane can be kept for I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]	SINGLE-SELECT f8a_5 01 ◯ One/two times 02 ◯ Two/three times 03 ◯ Three/four times 04 ◯ All of the above 05 ◯ Don't know
What is the most appropriate type of soil for sugarcane?	SINGLE-SELECT f9a_5 01 ◯ Alluvial 02 ◯ Sandy loam 03 ◯ Sandy 04 ◯ Don't know
It is necessary to tie sugarcane from two rows once it reaches 1 to 1.5 meters to:	SINGLE-SELECT f10a_5 01 ◯ Prevent it from overcrowding 02 ◯ Prevent it from falling 03 ◯ For aesthetics 04 ◯ None of the above 05 ◯ Don't know
What is the best climate for sugarcane cultivation?	SINGLE-SELECT f11a_5 01 ◯ Winter 02 ◯ Spring 03 ◯ Summer and humid 04 ◯ Don't know

SECTION F6 - ONION CULTIVATION

E `(random.InRange(0.396,0.462) |random.InRange(0.33,0.396) | trained_on==6) & consent==1`

Did you receive a training on Onion Cultivation?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f1_a_6

SECTION F6 - ONION CULTIVATION
TRAINING DETAILS

E `f1_a_6==1`

Who did you receive this training from?	MULTI-SELECT 01 ☐ RJK 02 ☐ DADO 03 ☐ USAID 04 ☐ NGO 05 ☐ Other	f1a_6
Specify other E `f1a_6.Contains(5)`	TEXT	f2a_6

SECTION F6 - ONION CULTIVATION / TRAINING DETAILS
Roster: TRAINING DETAILS
generated by multi-select question f1a_6

f6_roster

What was the year of training from %rostertitle%? V1 `self.InRange(2066,2076)` M1 Date of training outside of plausible range	NUMERIC: INTEGER -	f6_year
Did you apply or practice the learnt knowledge and practices from the training?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f3a_6
If yes what practices did you apply in the field? E `f3a_6==1`	TEXT	f4a_6
If no, could you please state reasons for not using the knowledge? E `f3a_6==2`	TEXT	f5a_6
What are the difficulties in onion cultivation?	LIST	f6a_6
Demand for onion is all around the year and its increasing	SINGLE-SELECT 01 ◯ False 02 ◯ True 03 ◯ Don't know	f7a_6

State two ways in which onions can go bad	MULTI-SELECT	f8a_6

I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]

V1 `// either "Don't know" not selected... !self.Contains(4) || // ...or "Don't know" is the only answer provided self.ContainsOnly(4)`

M1 Can't select "Don't know" in conjunction with other options.

01 ☐ Germination
02 ☐ Rot
03 ☐ Withering/drying
04 ☐ Don't know

What are the fertilizers one can use while land preparation for onion cultivation?	MULTI-SELECT	f9a_6

I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]

V1 `// either "Don't know" not selected... !self.Contains(5) || // ...or "Don't know" is the only answer provided self.ContainsOnly(5)`

M1 Can't select "Don't know" in conjunction with other options.

01 ☐ Compost
02 ☐ DAP
03 ☐ Urea
04 ☐ All of the above
05 ☐ Don't know

Onion bulbs are perfectly dry when	SINGLE-SELECT	f10a_6

01 ◯ The shells are dry
02 ◯ The bulb is closed
03 ◯ Bulbs look dry
04 ◯ Both (1) and (2)
05 ◯ Don't know

After spreading the seed, one should cover it with straw/thatch	SINGLE-SELECT	f11a_6

01 ◯ False
02 ◯ True
03 ◯ Don't know

SECTION F7 - CUCURBITS OFFSEASON CULTIVATION

E `(random.InRange(0.462,0.528) |random.InRange(0.396,0.462) | trained_on==7) & consent==1`

Did you receive a training on Cucurbits offseason cultivation?	SINGLE-SELECT	f1_a_7
	01 ◯ yes	
	02 ◯ no	

SECTION F7 - CUCURBITS OFFSEASON CULTIVATION
TRAINING DETAILS

E `f1_a_7==1`

Who did you receive this training from?	MULTI-SELECT	f1a_7
	01 ☐ RJK	
	02 ☐ DADO	
	03 ☐ USAID	
	04 ☐ NGO	
	05 ☐ Other	
Specify other E `f1a_7.Contains(5)`	TEXT	f2a_7
	....	

SECTION F7 - CUCURBITS OFFSEASON CULTIVATION / TRAINING DETAILS
Roster: TRAINING DETAILS
generated by multi-select question f1a_7

f7_roster

What was the year of training from %rostertitle%?	NUMERIC: INTEGER	f7_year
V1 `self.InRange(2066,2076)` M1 Date of training outside of plausible range	--------------------------------	
Did you apply or practice the learnt knowledge and practices from the training?	SINGLE-SELECT	f3a_7
	01 ◯ yes	
	02 ◯ no	
If yes what practices did you apply in the field? E `f3a_7==1`	TEXT	f4a_7
	....	
If no, could you please state reasons for not using the knowledge? E `f3a_7==2`	TEXT	f5a_7
	....	
What are the major nutritions obtained from cucumber, bittergourd, pumpkin, squash and gourd?	SINGLE-SELECT	f6a_7
	01 ◯ Vitamin A	
	02 ◯ Iron	
	03 ◯ Both (1) and (2)	
	04 ◯ None of the above	
	05 ◯ Don't know	

How many grams of seed do you need for per katha for cucumber, squash, pumpkin and bottle gourd?	SINGLE-SELECT f7a_7 01 ◯ 100 grams 02 ◯ 75 grams 03 ◯ 50 grams 04 ◯ Don't know
While sowing, one must use two seeds per hole I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]	SINGLE-SELECT f8a_7 01 ◯ False 02 ◯ True 03 ◯ Don't know
Which season is the best for cucurbits production in terms of environment? I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]	SINGLE-SELECT f9a_7 01 ◯ Winter 02 ◯ Summer 03 ◯ Rainy 04 ◯ Don't know
What kind of soil is appropriate for cucurbits production?	SINGLE-SELECT f10a_7 01 ◯ Alluvial soil 02 ◯ Sandy soil 03 ◯ Balaute domat or Pango domat 04 ◯ None of the above 05 ◯ Don't know
What kind of seed sowing do you prefer?	SINGLE-SELECT f11a_7 01 ◯ Direct seed sowing 02 ◯ Nursery raise transplant 03 ◯ Don't know

SECTION F8 - CHILIES CULTIVATION

E `(random.InRange(0.528,0.594) |random.InRange(0.462,0.528) | trained_on==8) & consent==1`

Did you receive a training on Chilies cultivation?	SINGLE-SELECT	f1_a_8
	01 ◯ yes	
	02 ◯ no	

SECTION F8 - CHILIES CULTIVATION
TRAINING DETAILS

E `f1_a_8==1`

Who did you receive this training from?	MULTI-SELECT	f1a_8
	01 ☐ RJK	
	02 ☐ DADO	
	03 ☐ USAID	
	04 ☐ NGO	
	05 ☐ Other	
Specify other	TEXT	f2a_8
E `f1a_8.Contains(5)`	....	

SECTION F8 - CHILIES CULTIVATION / TRAINING DETAILS
Roster: TRAINING DETAILS
generated by multi-select question f1a_8

f8_roster

What was the year of training from %rostertitle%?	NUMERIC: INTEGER	f8_year
V1 `self.InRange(2066,2076)`	....	
M1 Date of training outside of plausible range		
Did you apply or practice the learnt knowledge and practices from the training?	SINGLE-SELECT	f3a_8
	01 ◯ yes	
	02 ◯ no	
If yes what practices did you apply in the field?	TEXT	f4a_8
E `f3a_8==1`	....	
If no, could you please state reasons for not using the knowledge?	TEXT	f5a_8
E `f3a_8==2`	....	
How can one prevent/cure chilies plants from Mozac virus?	SINGLE-SELECT	f6a_8
	01 ◯ Use healthy seeds	
	02 ◯ Pluck out affected parts from the plants	
	03 ◯ Wash hands after touching affected parts	
	04 ◯ All of the above	
	05 ◯ Don't know	

Name two diseases that can affect chilies: I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 // either "Don't know" not selected... !self.Contains(4) || // ...or "Don't know" is the only answer provided self.ContainsOnly(4) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f7a_8 01 ☐ Anthracnode (kotre) 02 ☐ Mozac Virus 03 ☐ Wilt 04 ☐ Don't know
Once the seedlings are ready to be transformed, the soil attached to the seedlings should be properly removed before transferring. I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]	SINGLE-SELECT f8a_8 01 ○ False 02 ○ True 03 ○ Don't know
How many grams of chilies are required per kattha of land? I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]	SINGLE-SELECT f9a_8 01 ○ 20 to 30 grams 02 ○ 30 to 50 grams 03 ○ 50 to 100 grams 04 ○ Don't know
Name three fertilizers that can be used for production V1 // either "Don't know" not selected... !self.Contains(6) || // ...or "Don't know" is the only answer provided self.ContainsOnly(6) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f10a_8 01 ☐ Compost 02 ☐ Urea 03 ☐ DAP 04 ☐ Murate of Potash 05 ☐ Chilated zinc 06 ☐ Don't know
Chilies can be best grown in rainy season	SINGLE-SELECT f11a_8 01 ○ False 02 ○ True 03 ○ Don't know

SECTION F9 - TOMATO CULTIVATION

E `(random.InRange(0.594,0.66) |random.InRange(0.528,0.594) | trained_on==9) & consent==1`

Did you receive a training on Tomato cultivation?	SINGLE-SELECT 01 ○ yes 02 ○ no	f1_a_9

SECTION F9 - TOMATO CULTIVATION
TRAINING DETAILS

E `f1_a_9==1`

Who did you receive this training from?	MULTI-SELECT 01 ☐ RJK 02 ☐ DADO 03 ☐ USAID 04 ☐ NGO 05 ☐ Other	f1a_9
Specify other E `f1a_9.Contains(5)`	TEXT	f2a_9

SECTION F9 - TOMATO CULTIVATION / TRAINING DETAILS
Roster: TRAINING DETAILS
generated by multi-select question f1a_9

f9_roster

What was the year of training from %rostertitle%? V1 `self.InRange(2066,2076)` M1 Date of training outside of plausible range	NUMERIC: INTEGER --------------------------------	f9_year
Did you apply or practice the learnt knowledge and practices from the training?	SINGLE-SELECT 01 ○ yes 02 ○ no	f3a_9
If yes what practices did you apply in the field? E `f3a_9==1`	TEXT	f4a_9
If no, could you please state reasons for not using the knowledge? E `f3a_9==2`	TEXT	f5a_9
Lahi sucks onto leaves and soft stems of the tomato plant.	SINGLE-SELECT 01 ○ False 02 ○ True 03 ○ Don't know	f6a_9
Tomato gawaro eats the surface of tomatoes.	SINGLE-SELECT 01 ○ False 02 ○ True 03 ○ Don't know	f7a_9

For one ropani of land, 10 gram seed is required. I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]	SINGLE-SELECT 01 ○ False 02 ○ True 03 ○ Don't know	f8a_9
Name three varieties of tomatoes that can be grown in Nepal region I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 // either "Don't know" not selected... !self.Contains(7) || // ...or "Don't know" is the only answer provided self.ContainsOnly(7) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT 01 ☐ Manisha 02 ☐ Ankush 03 ☐ Suraksha 04 ☐ Indom 9502/9808 05 ☐ Himsohana 06 ☐ Siris 07 ☐ Don't know	f9a_9
Name two common diseases that affect tomato plants V1 // either "Don't know" not selected... !self.Contains(5) || // ...or "Don't know" is the only answer provided self.ContainsOnly(5) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT 01 ☐ Root rotting disease 02 ☐ Dhadhuwa rog 03 ☐ Oilaune rog 04 ☐ Mozac virus 05 ☐ Don't know	f10a_9
Name three fertilizers used in tomato cultivation I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 // either "Don't know" not selected... !self.Contains(5) || // ...or "Don't know" is the only answer provided self.ContainsOnly(5) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT 01 ☐ Compost 02 ☐ Urea 03 ☐ DAP 04 ☐ Murate of Potash 05 ☐ Don't know	f11a_9

SECTION F10 - OKRA (LADY'S FINGER) CULTIVATION

E `(random.InRange(0.66,0.726) |random.InRange(0.594,0.66) | trained_on==10) & consent==1`

Did you receive a training on Okra cultivation?	SINGLE-SELECT	f1_a_10
	01 ◯ yes	
	02 ◯ no	

SECTION F10 - OKRA (LADY'S FINGER) CULTIVATION
TRAINING DETAILS

E `f1_a_10==1`

Who did you receive this training from?	MULTI-SELECT	f1a_10
	01 ☐ RJK	
	02 ☐ DADO	
	03 ☐ USAID	
	04 ☐ NGO	
	05 ☐ Other	
Specify other E `f1a_10.Contains(5)`	TEXT	f2a_10

SECTION F10 - OKRA (LADY'S FINGER) CULTIVATION / TRAINING DETAILS
Roster: TRAINING DETAILS
generated by multi-select question f1a_10

f10_roster

What was the year of training from %rostertitle%? V1 `self.InRange(2066,2076)` M1 Date of training outside of plausible range	NUMERIC: INTEGER	f10_year
Did you apply or practice the learnt knowledge and practices from the training?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f3a_10
If yes what practices did you apply in the field? E `f3a_10==1`	TEXT	f4a_10
If no, could you please state reasons for not using the knowledge? E `f3a_10==2`	TEXT	f5a_10
How can we cure okra plant from yellow mosaic vein virus?	SINGLE-SELECT 01 ◯ Uproot diseased plants and burn them. 02 ◯ Plant disease resistant varieties 03 ◯ Spray Rogar by mixing 2 ml per liter of water 04 ◯ All of the above 05 ◯ Don't know	f6a_10

Name three fertilizers used for okra cultivation	MULTI-SELECT	f7a_10
I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 // either "Don't know" not selected... !self.Contains(5) || // ...or "Don't know" is the only answer provided self.ContainsOnly(5) M1 Can't select "Don't know" in conjunction with other options.	01 ☐ Compost/Cowdung 02 ☐ Nitrogen 03 ☐ Phosphorus 04 ☐ Potash 05 ☐ Don't know	

Ganwaro penetrates the okra plant through its stem and sucks the juice out of the plant so that the plant dies	SINGLE-SELECT	f8a_10
I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]	01 ○ False 02 ○ True 03 ○ Don't know	

Okra seeds should be put in water 24 hours prior to sowing.	SINGLE-SELECT	f9a_10
	01 ○ False 02 ○ True 03 ○ Don't know	

State the quantity of seed needed for one kattha of land.	SINGLE-SELECT	f10a_10
	01 ○ 200 to 300 gram 02 ○ 300 to 400 gram 03 ○ 400 to 500 gram 04 ○ 500 to 600 gram 05 ○ Don't know	

Name three varieties of okra	MULTI-SELECT	f11a_10
I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 // either "Don't know" not selected... !self.Contains(7) || // ...or "Don't know" is the only answer provided self.ContainsOnly(7) M1 Can't select "Don't know" in conjunction with other options.	01 ☐ Pusa sawani 02 ☐ Parmani Kranti 03 ☐ Punjab Padmani 04 ☐ Parvati 05 ☐ Ako Anamika 06 ☐ Sagun 07 ☐ Don't know	

SECTION F11 - PADDY SEED SELECTION AND TREATMENT

E `(random.InRange(0.726,0.792) |random.InRange(0.66,0.726) | trained_on==11) & consent==1`

Did you receive a training on Paddy Selection and Treatment?	SINGLE-SELECT	f1_a_11
	01 ◯ yes	
	02 ◯ no	

SECTION F11 - PADDY SEED SELECTION AND TREATMENT
TRAINING DETAILS

E `f1_a_11==1`

Who did you receive this training from?	MULTI-SELECT	f1a_11
	01 ☐ RJK	
	02 ☐ DADO	
	03 ☐ USAID	
	04 ☐ NGO	
	05 ☐ Other	

Specify other	TEXT	f2a_11

E `f1a_11.Contains(5)`

SECTION F11 - PADDY SEED SELECTION AND TREATMENT / TRAINING DETAILS
Roster: TRAINING DETAILS
generated by multi-select question f1a_11

f11_roster

What was the year of training from %rostertitle%?	NUMERIC: INTEGER	f11_year

V1 `self.InRange(2066,2076)`
M1 Date of training outside of plausible range

Did you apply or practice the learnt knowledge and practices from the training?	SINGLE-SELECT	f3a_11
	01 ◯ yes	
	02 ◯ no	

If yes what practices did you apply in the field?	TEXT	f4a_11

E `f3a_11==1`

If no, could you please state reasons for not using the knowledge?	TEXT	f5a_11

E `f3a_11==2`

What are the two methods to treat seeds for good quality?	MULTI-SELECT	f6a_11
	01 ☐ Treat the seeds in salt and water.	
	02 ☐ Treat the seeds with chemicals to kill any bacteria or diseases.	
	03 ☐ Don't know	

I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]
V1 `// either "Don't know" not selected... !self.Contains(3) || // ...or "Don't know" is the only answer provided self.ContainsOnly(3)`
M1 Can't select "Don't know" in conjunction with other options.

State two physical attributes of good paddy/rice seed
 	
I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]
V1 `// either "Don't know" not selected... !self.Contains(4)`
    `|| // ...or "Don't know" is the only answer provided sel`
    `f.ContainsOnly(4)`
M1 Can't select "Don't know" in conjunction with other options.
	MULTI-SELECT f7a_11
	
	01 ☐ Seeds that did not have any broken or damaged seed mixed in it.
	02 ☐ Seeds that do not have any leaves or seeds of other plants mixed in it.
	03 ☐ Seeds that do not any small stones, soil, leaves, stem, etc. not mixed
	04 ☐ Don't know

Seeds that have been selected can be stored anywhere in open or closed space	SINGLE-SELECT f8a_11 01 ◯ False 02 ◯ True 03 ◯ Don't know
Seeds that are moist are good quality seeds	SINGLE-SELECT f9a_11 01 ◯ False 02 ◯ True 03 ◯ Don't know

SECTION F12 - PADDY BED PREPARATION

E `(random.InRange(0.792,0.858) | random.InRange(0.726,0.792) | trained_on==12) & consent==1`

Did you receive a training on Paddy Bed Preparation?	SINGLE-SELECT	f1_a_12
	01 ◯ yes	
	02 ◯ no	

SECTION F12 - PADDY BED PREPARATION
TRAINING DETAILS

E `f1_a_12==1`

Who did you receive this training from?	MULTI-SELECT	f1a_12
	01 ☐ RJK	
	02 ☐ DADO	
	03 ☐ USAID	
	04 ☐ NGO	
	05 ☐ Other	
Specify other	TEXT	f2a_12
E `f1a_12.Contains(5)`	....	

SECTION F12 - PADDY BED PREPARATION / TRAINING DETAILS
Roster: TRAINING DETAILS
generated by multi-select question f1a_12

f12_roster

What was the year of training from %rostertitle%?	NUMERIC: INTEGER	f12_year
V1 `self.InRange(2066,2076)`		
M1 Date of training outside of plausible range		
Did you apply or practice the learnt knowledge and practices from the training?	SINGLE-SELECT	f3a_12
	01 ◯ yes	
	02 ◯ no	
If yes what practices did you apply in the field?	TEXT	f4a_12
E `f3a_12==1`	....	
If no, could you please state reasons for not using the knowledge?	TEXT	f5a_12
E `f3a_12==2`	....	
If the seedlings become yellow due to Nitrogen deficiency, one should apply	SINGLE-SELECT	f6a_12
	01 ◯ Compost	
	02 ◯ Nitrogen	
	03 ◯ Phosphorus	
	04 ◯ Don't know	
The seedlings must be transplanted within the same day of uprooting	SINGLE-SELECT	f7a_12
	01 ◯ False	
	02 ◯ True	
	03 ◯ Don't know	

Name two fertilizers used for bed preparation	MULTI-SELECT	f8a_12
	01 ☐ Compost	
I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]	02 ☐ Urea	
V1 `// either "Don't know" not selected... !self.Contains(3) || // ...or "Don't know" is the only answer provided self.ContainsOnly(3)`	03 ☐ Don't know	
M1 Can't select "Don't know" in conjunction with other options.		

What are the appropriate number of days required for the seedling to be ready?	SINGLE-SELECT	f9a_12
	01 ○ 15 to 20 days	
	02 ○ 20 to 25 days	
	03 ○ Don't know	

SECTION F13 - LENTIL CULTIVATION METHOD

E `(random.InRange(0.858,0.924) |random.InRange(0.792,0.858) | trained_on==13) & consent==1`

Did you receive a training on Lentil Cultivation Method?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f1_a_13

SECTION F13 - LENTIL CULTIVATION METHOD
TRAINING DETAILS

E `f1_a_13==1`

Who did you receive this training from?	MULTI-SELECT 01 ☐ RJK 02 ☐ DADO 03 ☐ USAID 04 ☐ NGO 05 ☐ Other	f1a_13
Specify other E `f1a_13.Contains(5)`	TEXT	f2a_13

SECTION F13 - LENTIL CULTIVATION METHOD / TRAINING DETAILS
Roster: TRAINING DETAILS
generated by multi-select question f1a_13

f13_roster

What was the year of training from %rostertitle%? V1 `self.InRange(2066,2076)` M1 Date of training outside of plausible range	NUMERIC: INTEGER	f13_year
Did you apply or practice the learnt knowledge and practices from the training?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f3a_13
If yes what practices did you apply in the field? E `f3a_13==1`	TEXT	f4a_13
If no, could you please state reasons for not using the knowledge? E `f3a_13==2`	TEXT	f5a_13
Musuro helps to balance the nitrogen level in the soil	SINGLE-SELECT 01 ◯ False 02 ◯ True 03 ◯ Don't know	f6a_13

Name two sources of nutrient found in Musuro	MULTI-SELECT	f7a_13

I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]

V1 `// either "Don't know" not selected... !self.Contains(4) || // ...or "Don't know" is the only answer provided self.ContainsOnly(4)`

M1 Can't select "Don't know" in conjunction with other options.

01 ☐ Protein
02 ☐ Calcium
03 ☐ Iron
04 ☐ Don't know

Name two fertilizers used in Musuro production	MULTI-SELECT	f8a_13

I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT]

V1 `// either "Don't know" not selected... !self.Contains(4) || // ...or "Don't know" is the only answer provided self.ContainsOnly(4)`

M1 Can't select "Don't know" in conjunction with other options.

01 ☐ DAP
02 ☐ Potash
03 ☐ Borax
04 ☐ Don't know

When is the best time to harvest Musuro?

SINGLE-SELECT f9a_13

01 ○ When 80% is ripe
02 ○ When 60% is ripe
03 ○ Whenever you think is appropriate
04 ○ All of the above
05 ○ Don't know

How long should one dry Musuro before storing it?

SINGLE-SELECT f10a_13

01 ○ One to Two days
02 ○ Three to Four days
03 ○ No need to dry
04 ○ Don't know

One kattha of land needs 1 - 1.5 kg of seed

SINGLE-SELECT f11a_13

01 ○ False
02 ○ True
03 ○ Don't know

SECTION F14 - WHEAT CULTIVATION

E `(random.InRange(0.924,1) |random.InRange(0.858,0.924) | trained_on==14) & consent==1`

Did you receive a training on Wheat Cultivation Method?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f1_a_14

SECTION F14 - WHEAT CULTIVATION
TRAINING DETAILS

E `f1_a_14==1`

Who did you receive this training from?	MULTI-SELECT 01 ☐ RJK 02 ☐ DADO 03 ☐ USAID 04 ☐ NGO 05 ☐ Other	f1a_14
Specify other E `f1a_14.Contains(5)`	TEXT ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯	f2a_14

SECTION F14 - WHEAT CULTIVATION / TRAINING DETAILS
Roster: TRAINING DETAILS
generated by multi-select question f1a_14

f14_roster

What was the year of training from %rostertitle%? V1 `self.InRange(2066,2076)` M1 Date of training outside of plausible range	NUMERIC: INTEGER ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯	f14_year
Did you apply or practice the learnt knowledge and practices from the training?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f3a_14
If yes what practices did you apply in the field? E `f3a_14==1`	TEXT ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯	f4a_14
If no, could you please state reasons for not using the knowledge? E `f3a_14==2`	TEXT ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯	f5a_14
Water should not be stagnant in wheat field.	SINGLE-SELECT 01 ◯ False 02 ◯ True 03 ◯ Don't know	f6a_14
Wheat should be dried for 2-3 days before storage.	SINGLE-SELECT 01 ◯ False 02 ◯ True 03 ◯ Don't know	f7a_14

Name three types of wheat suitable for Terai and inner Terai: I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 // either "Don't know" not selected... !self.Contains(5) || // ...or "Don't know" is the only answer provided self.ContainsOnly(5) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f8a_14 01 ☐ BL 1135/1473 02 ☐ Achyut 03 ☐ Bhrikuti 04 ☐ Gautam 05 ☐ Don't know
Name two ways to prevent/treat aphid /lahi: I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 // either "Don't know" not selected... !self.Contains(4) || // ...or "Don't know" is the only answer provided self.ContainsOnly(4) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f9a_14 01 ☐ Mitra khapate keera 02 ☐ Tobacco leaves with soap and water 03 ☐ Cow urine 04 ☐ Don't know
Name three fertilizers that can be used in wheat cultivation: I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 // either "Don't know" not selected... !self.Contains(5) || // ...or "Don't know" is the only answer provided self.ContainsOnly(5) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f10a_14 01 ☐ Compost 02 ☐ DAP 03 ☐ Potash 04 ☐ Urea 05 ☐ Don't know
One kattha needs 4 kg of seeds	SINGLE-SELECT f11a_14 01 ○ False 02 ○ True 03 ○ Don't know

SECTION F15 - POTATO DISEASES AND PREVENTION

E `(random.InRange(0,0.066) |random.InRange(0.924,1) | trained_on==15) & consent==1`

Did you receive a training on Potato Diseases and Prevention?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f1_a_15

SECTION F15 - POTATO DISEASES AND PREVENTION
TRAINING DETAILS

E `f1_a_15==1`

Who did you receive this training from?	MULTI-SELECT 01 ☐ RJK 02 ☐ DADO 03 ☐ USAID 04 ☐ NGO 05 ☐ Other	f1a_15
Specify other E `f1a_15.Contains(5)`	TEXT	f2a_15

SECTION F15 - POTATO DISEASES AND PREVENTION / TRAINING DETAILS
Roster: TRAINING DETAILS
generated by multi-select question f1a_15

f15_roster

What was the year of training from %rostertitle%? V1 `self.InRange(2066,2076)` M1 Date of training outside of plausible range	NUMERIC: INTEGER -	f15_year
Did you apply or practice the learnt knowledge and practices from the training?	SINGLE-SELECT 01 ◯ yes 02 ◯ no	f3a_15
If yes what practices did you apply in the field? E `f3a_15==1`	TEXT	f4a_15
If no, could you please state reasons for not using the knowledge? E `f3a_15==2`	TEXT	f5a_15
Name two media through which black scurf can spread V1 `// either "Don't know" not selected... !self.Contains(3) || // ...or "Don't know" is the only answer provided self.ContainsOnly(3)` M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT 01 ☐ Infected Seed 02 ☐ Infected Soil 03 ☐ Don't know	f6a_15

Name two media through which late blight can spread: I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 // either "Don't know" not selected... !self.Contains(5) || // ...or "Don't know" is the only answer provided self.ContainsOnly(5) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f7a_15 01 ☐ Water, air 02 ☐ Potato Seed 03 ☐ Tomato and other similar plants 04 ☐ Other nearby infected potatoes 05 ☐ Don't know
Name two media through which early blight can spread I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 // either "Don't know" not selected... !self.Contains(4) || // ...or "Don't know" is the only answer provided self.ContainsOnly(4) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f8a_15 01 ☐ Air 02 ☐ Soil 03 ☐ Water 04 ☐ Don't know
Name two bacterial diseases that affect potatoes: I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 // either "Don't know" not selected... !self.Contains(3) || // ...or "Don't know" is the only answer provided self.ContainsOnly(3) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f9a_15 01 ☐ Bacterial wilt or brown rot 02 ☐ Black/soft rot 03 ☐ Don't know
Name two insects that affect potato plants: I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 // either "Don't know" not selected... !self.Contains(4) || // ...or "Don't know" is the only answer provided self.ContainsOnly(4) M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f10a_15 01 ☐ Potato butterfly 02 ☐ Red ants 03 ☐ Potato lahi/aphid 04 ☐ Don't know
Late blight is the primary enemy of potatoes.	SINGLE-SELECT f11a_15 01 ◯ False 02 ◯ True 03 ◯ Don't know

SECTION F16 - MUSHROOM PRODUCTION

E `(random.InRange(0.924,1) | trained_on==17) & consent==1`

Did you receive a training on Mushroom production?	SINGLE-SELECT	f1_a_16
	01 ◯ yes	
	02 ◯ no	

SECTION F16 - MUSHROOM PRODUCTION
TRAINING DETAILS

E `f1_a_16==1`

Who did you receive this training from?	MULTI-SELECT	f1a_16
	01 ☐ RJK	
	02 ☐ DADO	
	03 ☐ USAID	
	04 ☐ NGO	
	05 ☐ Other	

Specify other	TEXT	f2a_16
E `f1a_16.Contains(5)`	....	

SECTION F16 - MUSHROOM PRODUCTION / TRAINING DETAILS
Roster: TRAINING DETAILS
generated by multi-select question f1a_16

f16_roster

What was the year of training from %rostertitle%?	NUMERIC: INTEGER	f16_year
V1 `self.InRange(2066,2076)`	------------------------------	
M1 Date of training outside of plausible range		

Did you apply or practice the learnt knowledge and practices from the training?	SINGLE-SELECT	f3a_16
	01 ◯ yes	
	02 ◯ no	

If yes what practices did you apply in the field?	TEXT	f4a_16
E `f3a_16==1`	....	

If no, could you please state reasons for not using the knowledge?	TEXT	f5a_16
E `f3a_16==2`	....	

Same variety of mushroom can be grown year round	MULTI-SELECT	f6a_16
	01 ☐ Yes	
V1 `// either "Don't know" not selected... !self.Contains(3) || // ...or "Don't know" is the only answer provided self.ContainsOnly(3)`	02 ☐ No	
M1 Can't select "Don't know" in conjunction with other options.		

Name three types of mushroom that can be grown in the Terai I [DO NOT READ OUT POSSIBLE ANSWERS TO RESPONDENT] V1 `// either "Don't know" not selected... !self.Contains(6) || // ...or "Don't know" is the only answer provided self.ContainsOnly(6)` M1 Can't select "Don't know" in conjunction with other options.	MULTI-SELECT f7a_16 01 ☐ White button mushroom 02 ☐ Oyster mushroom 03 ☐ Shiitake 04 ☐ Straw mushroom 05 ☐ Ganoderma 06 ☐ Don't know
Oyster mushroom can be harvested within 1-2 months of planting	SINGLE-SELECT f8a_16 01 ◯ Yes 02 ◯ No 03 ◯ Don't know
White button mushroom can be harvested within 3 months of planting	SINGLE-SELECT f9a_16 01 ◯ Yes 02 ◯ No 03 ◯ Don't know
Mold is a big threat to mushroom production	SINGLE-SELECT f11a_16 01 ◯ False 02 ◯ True 03 ◯ Don't know

SECTION –G: NETWORK MODULE

E `consent==1`

STATIC TEXT

I would like to ask you some questions about the household members who are members of farmer's group

How many different groups do household members belong to?	NUMERIC: INTEGER	fg_name

SECTION –G: NETWORK MODULE
Roster: FARMER GROUPS
generated by numeric question fg_name

fg_roster

What is the name of the farmer group or cooperative?	TEXT	g_2

V1 `self.Length>15`
M1 The length is too low, enter the full name

How many people are in the farmer's group or cooperative (including yourself)?	NUMERIC: INTEGER	g_3

V1 `self>=0`
M1 Can not be negative

How many people in this group are you related to?	NUMERIC: INTEGER	g_4

V1 `self>=0`
M1 Can not be negative

How many have you known for more than five years?	NUMERIC: INTEGER	g_5

V1 `self>=0`
M1 Can not be negative

How many would you consider friends?	NUMERIC: INTEGER	g_6

V1 `self>=0`
M1 Can not be negative

How many have you asked for advice about your farm in the last year?	NUMERIC: INTEGER	g_7

V1 `self>=0`
M1 Can not be negative

How many would you trust to look after a valuable item for you? (money or jewels)	NUMERIC: INTEGER	g_8

V1 `self>=0`
M1 Can not be negative

How many have you ever received a gift (of money, goods or services) from?	NUMERIC: INTEGER	g_9

V1 `self>=0`
M1 Can not be negative

How many of those have you ever given a gift (of money, goods or services) to this person?	NUMERIC: INTEGER g_10
V1 self>=0 M1 Can not be negative	- -
How many have you ever received a loan (of money, goods or services) from?	NUMERIC: INTEGER g_11
V1 self>=0 M1 Can not be negative	- -
How many have you ever given a loan (of money, goods or services) to ?	NUMERIC: INTEGER g_12
V1 self>=0 M1 Can not be negative	- -
Are you related to anyone in another farmer's group?	SINGLE-SELECT g_13 01 ◯ yes 02 ◯ no
Have you asked anyone in another farmer's group for advice about your farm in the last year?	SINGLE-SELECT g_14 01 ◯ yes 02 ◯ no
If yes, what was the name of the group where you got the advice from?	TEXT g_15
E g_14==1 V1 self.Length>15 M1 The length is too low, enter the full name	....
How many different donors does this farmer group have?	NUMERIC: INTEGER fg_support
I Example of donors: USAID, World Bank, ADB , Nepal Government, Ministry of Agriculture, Department of Livestock	- SPECIAL VALUES 00 This group receives no support from any donors

SECTION –G: NETWORK MODULE / FARMER GROUPS
Roster: DONOR LIST
generated by numeric question `fg_support`   donor_roster

What is the name of donor # %rostertitle%?	LIST fg_support_list ....
Does your household benefit from this support?	SINGLE-SELECT fg_donor_support 01 ◯ yes 02 ◯ no 03 ◯ don't know

SECTION –G: SHOCK MODULE

E `consent==1`

Over the last year did you experience any of the following shocks or stresses?	MULTI-SELECT: YES/NO		s1
	01 ☐ / ☐	Drought	
	02 ☐ / ☐	Flood/water logging of house	
	03 ☐ / ☐	Crop damage from flooding or water-logging	
	04 ☐ / ☐	Crop disease or crop pests	
	05 ☐ / ☐	Livestock disease or deaths	
	06 ☐ / ☐	Household business failure	
	07 ☐ / ☐	Loss of job/non-payment of salary	
	08 ☐ / ☐	End of regular assistance, aid, remittance from outside HH	
	09 ☐ / ☐	Large fall in sale prices of crops	
	10 ☐ / ☐	Large rise in prices of food	
	11 ☐ / ☐	Death in household	
	12 ☐ / ☐	Break-up of the household	
	13 ☐ / ☐	Illness/cholera	
	14 ☐ / ☐	Theft	
	15 ☐ / ☐	House damaged due to fire	
	16 ☐ / ☐	Others	

SECTION –G: SHOCK MODULE
Roster: SHOCKS
generated by multi-select question s1   shock_roster

Specify other	TEXT	s_other
E `@rowcode==16`	••	

What was the impact of %rostertitle% on your household?	SINGLE-SELECT	h_1
	01 ◯ None	
	02 ◯ Slight (thorai)	
	03 ◯ Moderate (dherai)	
	04 ◯ Strong (Ekdum dherai)	

to what extent have you been able to recover	SINGLE-SELECT	h_2
	01 ◯ did not recover	
	02 ◯ recovered but worse off than before	
	03 ◯ recovered and same as before	
	04 ◯ recovered and better than before	

In the past 7 days, how often has your household had to Eat less-preferred foods?	NUMERIC: INTEGER	h_3_1
V1 `self.InRange(0,7)`		
M1 Value must be between 0 and 7		

In the past 7 days, how often has your household had to Borrow food from a friend or relative?	NUMERIC: INTEGER	h_3_2
V1 `self.InRange(0,7)`		
M1 Value must be between 0 and 7		

In the past 7 days, how often has your household had to Limit adult intake?	NUMERIC: INTEGER $\qquad$ h_3_3
V1 self.InRange(0,7)	
M1 Value must be between 0 and 7	-------------------------------
In the past 7 days, how often has your household had to Limit portions at mealtime?	NUMERIC: INTEGER $\qquad$ h_3_4
V1 self.InRange(0,7)	
M1 Value must be between 0 and 7	-------------------------------
In the past 7 days, how often has your household had to Reduce number of meals eaten in a day?	NUMERIC: INTEGER $\qquad$ h_3_5
V1 self.InRange(0,7)	
M1 Value must be between 0 and 7	-------------------------------

Have you received assistance from the following over the past year?

MULTI-SELECT: YES/NO   h_4

- 01 ☐ / ☐   Family
- 02 ☐ / ☐   Farmer's Group
- 03 ☐ / ☐   Community (other)
- 04 ☐ / ☐   NGO
- 05 ☐ / ☐   Government

SECTION –G: SHOCK MODULE

Roster: SOURCE OF ASSISTANCE

generated by multi-select question h_4   support_roster

What was the form of assistance from %rostertitle%?

MULTI-SELECT   h_5

- 01 ☐   Food
- 02 ☐   Cash
- 03 ☐   Education/training
- 04 ☐   Employment
- 05 ☐   Domestic chores
- 06 ☐   Other

Specify other	TEXT $\qquad$ h_5_other
E h_5.Contains(6)	··
In the last 12 months, how many times have you met with local community leaders (badgars) ?	NUMERIC: INTEGER $\qquad$ distance1 -------------------------------
In the last 12 months, how many times have you met with WUA officials?	NUMERIC: INTEGER $\qquad$ distance2 -------------------------------
In the last 12 months, how many times have you met with Municipality officials?	NUMERIC: INTEGER $\qquad$ distance3 -------------------------------
In the last 12 months, how many times have you met with health workers?	NUMERIC: INTEGER $\qquad$ distance4 -------------------------------
In the last 12 months, how many times have you met with Ministry of Agriculture / Province Knowledge Center officials?	NUMERIC: INTEGER $\qquad$ distance5 -------------------------------

In the last 12 months, how many times have you met with Province officials?	NUMERIC: INTEGER	distance6

In the last 12 months, how many times have you met with RJK Irrigation Component staff?	NUMERIC: INTEGER	distance7

In the last 12 months, how many times have you met with RJK Agriculture Component staff?	NUMERIC: INTEGER	distance8

LIVESTOCK AND MUSHROOM

E consent==1

LIVESTOCK AND MUSHROOM
Roster: LIVESTOCK COUNT
generated by fixed list

<div align="right">livestock</div>

- 02 Cattle
- 03 Buffaloes
- 04 Sheep
- 05 Goat
- 06 Pigs
- 07 Fowl
- 08 Duck

Total livestocks count	NUMERIC: INTEGER	count
V1 self>=0		
M1 Can not be negative number	SPECIAL VALUES	
	00 Don't have	

Number consumed by household	NUMERIC: INTEGER	consumed
E count>0		
V1 self>=0 & self<=count		
M1 Can not be negative number		

Meat Consumed - KG	NUMERIC: INTEGER	mean_cons
E count>0		
V1 self>=0		
M1 can not be negative		

Number sold in market	NUMERIC: INTEGER	sold
E count>0		
V1 self>=0 & self<=count		
M1 Can not be negative number		

Meat Sold - KG	NUMERIC: INTEGER	mean_sold_kg
E count>0		
V1 self>=0		
M1 can not be negative	SPECIAL VALUES	
	00 Sold as whole animal	

Income from sale of %rostertitle%	NUMERIC: INTEGER	income_sale
I Nepali Rupees		
E count>0		
V1 self>=0		
M1 Can not be negative number		

LIVESTOCK AND MUSHROOM
Roster: LIVESTOCK MILKING POPULATION & ITS PRODUCION
generated by fixed list

<div align="right">milking</div>

- 01 Milking Cows

02	Milking Buffaloes	
03	Cow Milk	
04	Buff Milk	
05	Total Milk Produced	
06	Milk consumed in Household	
07	Milk sold in the market	

STATIC TEXT

E `@rowcode.InList(1,2)`

Number

STATIC TEXT

E `@rowcode.InRange(3,7)`

Liters

Amount	NUMERIC: INTEGER	amount_milk
V1 `self>=0` M1 Can not be negative	- SPECIAL VALUES 00 Don't have	

STATIC TEXT

Fishery Production

Water Surface Area	NUMERIC: INTEGER	fish_area
I Hectares V1 `self>=0` M1 can not be negative	- SPECIAL VALUES 00 Don't have fish production	

Total Fish Production	NUMERIC: INTEGER	fish_prod
I KG E `fish_area>0` V1 `self>=0` M1 can not be negative	- -	

Fish Consumed	NUMERIC: INTEGER	fish_cons
I KG E `fish_area>0` V1 `self>=0` M1 can not be negative	- -	

Fish Sold	NUMERIC: INTEGER	fish_sold
I KG E `fish_area>0` V1 `self>=0` M1 can not be negative	- -	

STATIC TEXT

Mushroom production

Did your household do mushroom production in last year?	SINGLE-SELECT	mushroom
	01 ◯ yes 02 ◯ no	

What was the variety of mushrooms?	TEXT	mush_variety
E mushroom==1	....	
What was the amount of mushrooms produced?	NUMERIC: INTEGER	mush_kg
E mushroom==1	– – – – – – – – – – – – – – – – – – – –	
What was the amount of mushrooms sold?	NUMERIC: INTEGER	mush_sold_kg
E mushroom==1	– – – – – – – – – – – – – – – – – – – –	
What was the average price per KG sold? (NPR)	NUMERIC: INTEGER	mush_sold_price
E mushroom==1	– – – – – – – – – – – – – – – – – – – –	

PLOT MAPPING

E   `consent==1`

PLOT MAPPING
Roster: PLOT MAPPING
generated by numeric question `plot_num`   maps

E   `e_4_4.InList(1,2)`

Please take a picture of the plot.	PICTURE s5_plot_photo

Take a gps coordinate of one corner of the plot	GPS s5_c_plot_cnr_coord

I   Coordinate should be at immediate corner of planted area
V1   `self.Accuracy<15`
M1   Try again. Accuracy is too low.

N _____

W _____

A _____

Select Method	SINGLE-SELECT select_method
	01 ◯ Plot Tracing
	02 ◯ Walk around plot

Map of the plot	GEOGRAPHY s5_cult_plot_polygon

E   `select_method==1`

PLOT MAPPING / PLOT MAPPING
MANUAL SELECTION

E   `select_method==2`

Does the plot have an irregular shape?	SINGLE-SELECT cult_gps_yes_no
	01 ◯ Yes
	02 ◯ No

Take first GPS point	GPS cult_gps_1

V1   `self.Accuracy<15`
M1   Try again. Accuracy is too low.

N _____

W _____

A _____

Take second GPS point	GPS cult_gps_2

V1   `self.Accuracy<15`
M1   Try again. Accuracy is too low.
V2   `cult_gps_1.GpsDistance(self)>5`
M2   Duplicate coordinates not allowed. Too close to coordinate 1

N _____

W _____

A _____

Take third GPS point

V1	`self.Accuracy<15`
M1	Try again. Accuracy is too low.
V2	`cult_gps_1.GpsDistance(self)>5`
M2	Duplicate coordinates not allowed. Too close to coordinate 1
V3	`cult_gps_2.GpsDistance(self)>5`
M3	Duplicate coordinates not allowed. Too close to coordinate 2

GPS   cult_gps_3

N _

W _

A _

Take fourth GPS point

V1	`self.Accuracy<15`
M1	Try again. Accuracy is too low.
V2	`cult_gps_1.GpsDistance(self)>5`
M2	Duplicate coordinates not allowed. Too close to coordinate 1
V3	`cult_gps_2.GpsDistance(self)>5`
M3	Duplicate coordinates not allowed. Too close to coordinate 2
V4	`cult_gps_3.GpsDistance(self)>5`
M4	Duplicate coordinates not allowed. Too close to coordinate 3

GPS   cult_gps_4

N _

W _

A _

How many extra points do you need?

E	`cult_gps_yes_no==1`
V1	`self>0 & self <4`
M1	must be between 1 and 3

NUMERIC: INTEGER   extra_cult

_ _.

Take fifth GPS point

E	`cult_gps_yes_no==1 & extra_cult>0`
V1	`self.Accuracy<15`
M1	Try again. Accuracy is too low.
V2	`cult_gps_1.GpsDistance(self)>5`
M2	Duplicate coordinates not allowed. Too close to coordinate 1
V3	`cult_gps_2.GpsDistance(self)>5`
M3	Duplicate coordinates not allowed. Too close to coordinate 2
V4	`cult_gps_3.GpsDistance(self)>5`
M4	Duplicate coordinates not allowed. Too close to coordinate 3
V5	`cult_gps_4.GpsDistance(self)>5`
M5	Duplicate coordinates not allowed. Too close to coordinate 4

GPS   cult_gps_5

N _

W _

A _

Take sixth GPS point

E	`cult_gps_yes_no==1 & extra_cult>1`
V1	`self.Accuracy<15`
M1	Try again. Accuracy is too low.
V2	`cult_gps_1.GpsDistance(self)>5`
M2	Duplicate coordinates not allowed. Too close to coordinate 1
V3	`cult_gps_2.GpsDistance(self)>5`
M3	Duplicate coordinates not allowed. Too close to coordinate 2
V4	`cult_gps_3.GpsDistance(self)>5`
M4	Duplicate coordinates not allowed. Too close to coordinate 3
V5	`cult_gps_4.GpsDistance(self)>5`
M5	Duplicate coordinates not allowed. Too close to coordinate 4
V6	`cult_gps_5.GpsDistance(self)>5`
M6	Duplicate coordinates not allowed. Too close to coordinate 5

GPS   cult_gps_6

N _

W _

A _

Take seventh GPS point

E `cult_gps_yes_no==1 & extra_cult>2`
V1 `self.Accuracy<15`
M1 Try again. Accuracy is too low.
V2 `cult_gps_1.GpsDistance(self)>5`
M2 Duplicate coordinates not allowed. Too close to coordinate 1
V3 `cult_gps_2.GpsDistance(self)>5`
M3 Duplicate coordinates not allowed. Too close to coordinate 2
V4 `cult_gps_3.GpsDistance(self)>5`
M4 Duplicate coordinates not allowed. Too close to coordinate 3
V5 `cult_gps_4.GpsDistance(self)>5`
M5 Duplicate coordinates not allowed. Too close to coordinate 4
V6 `cult_gps_5.GpsDistance(self)>5`
M6 Duplicate coordinates not allowed. Too close to coordinate 5
V7 `cult_gps_6.GpsDistance(self)>5`
M7 Duplicate coordinates not allowed. Too close to coordinate 6

GPS   `cult_gps_7`

N

W

A

APPENDIX A — CATEGORIES

[1] c_1_13: If Yes, what crop was the topic of demonstration?
Categories: 1:PADDY-LOCAL, 2:PADDY-IMPROVED, 3:WHEAT-LOCAL, 4:WHEAT-IMPROVED, 5:MAIZE-LOCAL, 6:MAIZE-IMPROVED, 7:MILLET, 8:BARLEY, 9:BUCKWHEAT, 10:OTHER CEREALS, 11:SOYBEANS, 12:BLACK GRAM, 13:RED GRAM, 14:GRASS PEA, 15:LENTIL, 16:GRAM, 17:PEA, 18:GREEN GRAM, 19:COARSE GRAM, 20:COW PEA, 21:OTHER LEGUMES, 22:WINTER POTATO, 23:SUMMER POTATO, 24:SWEET POTATO, 25:COLOCASIA, 26:OTHER TUBERS, 27:MUSTARD, 28:GROUND NUT, 29:LINSEED, 30:SESAME, 31:OTHER OILSEED, 32:SUGARCANE, 33:JUTE, 34:TOBACCO, 35:OTHER CASH CROPS, 36:CHILLIES, 37:ONIONS, 38:GARLIC, 39:GINGER, 40:TURMERIC, 41:CARDAMOM, 42:CORIANDER SEED, 43:OTHER SPICES, 44:CAULIFLOWER, 45:CABABE, 46:BROCCOLI, 47:TOMATO, 48:BRINGEL, 49:RADISH, 50:BITTER GUARD, 51:BOTTLE GUARD, 52:OTHER GUARDS, 53:CARROT, 54:LEAFY VEGETBLES, 55:CUCUMBER, 56:LADIES FINGER, 57:PUMPKIN, 58:AMARANTHUS, 59:ORANGE, 60:LEMON, 61:LIME, 62:SWEET LIME, 63:OTHER CITRUS, 64:MANGO, 65:BANANA, 66:GOUVA, 67:JACK FRUIT, 68:PINEAPPLE, 69:LICHEE, 70:PEAR, 71:APPLE, 72:PLUM, 73:PAPAYA, 74:POMEGRANATE, 75:OTHER FRUITS, 76:TEA, 77:THATCH, 78:FODDER TREES, 79:BAMBOO, 80:OTHER TREES

[2] c_1_16: If Yes, what crop was the topic of demonstration?
Categories: 1:PADDY-LOCAL, 2:PADDY-IMPROVED, 3:WHEAT-LOCAL, 4:WHEAT-IMPROVED, 5:MAIZE-LOCAL, 6:MAIZE-IMPROVED, 7:MILLET, 8:BARLEY, 9:BUCKWHEAT, 10:OTHER CEREALS, 11:SOYBEANS, 12:BLACK GRAM, 13:RED GRAM, 14:GRASS PEA, 15:LENTIL, 16:GRAM, 17:PEA, 18:GREEN GRAM, 19:COARSE GRAM, 20:COW PEA, 21:OTHER LEGUMES, 22:WINTER POTATO, 23:SUMMER POTATO, 24:SWEET POTATO, 25:COLOCASIA, 26:OTHER TUBERS, 27:MUSTARD, 28:GROUND NUT, 29:LINSEED, 30:SESAME, 31:OTHER OILSEED, 32:SUGARCANE, 33:JUTE, 34:TOBACCO, 35:OTHER CASH CROPS, 36:CHILLIES, 37:ONIONS, 38:GARLIC, 39:GINGER, 40:TURMERIC, 41:CARDAMOM, 42:CORIANDER SEED, 43:OTHER SPICES, 44:CAULIFLOWER, 45:CABABE, 46:BROCCOLI, 47:TOMATO, 48:BRINGEL, 49:RADISH, 50:BITTER GUARD, 51:BOTTLE GUARD, 52:OTHER GUARDS, 53:CARROT, 54:LEAFY VEGETBLES, 55:CUCUMBER, 56:LADIES FINGER, 57:PUMPKIN, 58:AMARANTHUS, 59:ORANGE, 60:LEMON, 61:LIME, 62:SWEET LIME, 63:OTHER CITRUS, 64:MANGO, 65:BANANA, 66:GOUVA, 67:JACK FRUIT, 68:PINEAPPLE, 69:LICHEE, 70:PEAR, 71:APPLE, 72:PLUM, 73:PAPAYA, 74:POMEGRANATE, 75:OTHER FRUITS, 76:TEA, 77:THATCH, 78:FODDER TREES, 79:BAMBOO, 80:OTHER TREES

[3] c_1_19: If Yes, what crop was sold?
Categories: 1:PADDY-LOCAL, 2:PADDY-IMPROVED, 3:WHEAT-LOCAL, 4:WHEAT-IMPROVED, 5:MAIZE-LOCAL, 6:MAIZE-IMPROVED, 7:MILLET, 8:BARLEY, 9:BUCKWHEAT, 10:OTHER CEREALS, 11:SOYBEANS, 12:BLACK GRAM, 13:RED GRAM, 14:GRASS PEA, 15:LENTIL, 16:GRAM, 17:PEA, 18:GREEN GRAM, 19:COARSE GRAM, 20:COW PEA, 21:OTHER LEGUMES, 22:WINTER POTATO, 23:SUMMER POTATO, 24:SWEET POTATO, 25:COLOCASIA, 26:OTHER TUBERS, 27:MUSTARD, 28:GROUND NUT, 29:LINSEED, 30:SESAME, 31:OTHER OILSEED, 32:SUGARCANE, 33:JUTE, 34:TOBACCO, 35:OTHER CASH CROPS, 36:CHILLIES, 37:ONIONS, 38:GARLIC, 39:GINGER, 40:TURMERIC, 41:CARDAMOM, 42:CORIANDER SEED, 43:OTHER SPICES, 44:CAULIFLOWER, 45:CABABE, 46:BROCCOLI, 47:TOMATO, 48:BRINGEL, 49:RADISH, 50:BITTER GUARD, 51:BOTTLE GUARD, 52:OTHER GUARDS, 53:CARROT, 54:LEAFY VEGETBLES, 55:CUCUMBER, 56:LADIES FINGER, 57:PUMPKIN, 58:AMARANTHUS, 59:ORANGE, 60:LEMON, 61:LIME, 62:SWEET LIME, 63:OTHER CITRUS, 64:MANGO, 65:BANANA, 66:GOUVA, 67:JACK FRUIT, 68:PINEAPPLE, 69:LICHEE, 70:PEAR, 71:APPLE, 72:PLUM, 73:PAPAYA, 74:POMEGRANATE, 75:OTHER FRUITS, 76:TEA, 77:THATCH, 78:FODDER TREES, 79:BAMBOO, 80:OTHER TREES

[4] e_4_8A: Which sub canal?
Categories: 101:DHARAMPUR, 102:KUNTIPATHBHAR, 103:SUBARNAPUR, 104:JAGATPUR, 105:BIJULIYA, 106:LIPUR, 107:BHAGATPUR, 108:MOTINAGAR, 109:BIRENDRA, 110:GYANI, 111:MAKRI, 112:RAMPUR KATANPUR, 113:GHIYA BHARATPUR, 201:AMARAWOTI, 202:KHAIRAPHANTA, 203:BHADAWA, 204:BHAGRAIYA, 205:ATHARIYA, 206:BHOKSE, 207:KHAGRAULI, 208:BADKA, 209:BICHKI, 210:RORA, 211:SAIR TRAHAN, 212:MAHUWAN, 213:ASNERI, 214:WEST SHANKARPUR, 301:RAJIPUR, 302:FIRELINE, 303:BISTATOLE, 304:SATGAUNWA, 305:NUKLIPUR SAHIPUR, 306:MAHURINYA, 307:BASANTA, 308:INDRIYA, 309:NARAYANPUR, 310:SIMRENI SATI PADAMPUR, 311:BELUWA, 312:JUNG, 313:SURYAPUR, 314:BAUNIYA, 315:BATANPUR

[5] crops: Select all crops cultivated in %rostertitle% in plot e_4_2:
Categories: 1:PADDY-LOCAL, 2:PADDY-IMPROVED, 3:WHEAT-LOCAL, 4:WHEAT-IMPROVED, 5:MAIZE-LOCAL, 6:MAIZE-IMPROVED, 7:MILLET, 8:BARLEY, 9:BUCKWHEAT, 10:OTHER CEREALS, 11:SOYBEANS, 12:BLACK GRAM, 13:RED GRAM, 14:GRASS PEA, 15:LENTIL, 16:GRAM, 17:PEA, 18:GREEN GRAM, 19:COARSE GRAM, 20:COW PEA, 21:OTHER LEGUMES, 22:WINTER POTATO, 23:SUMMER POTATO, 24:SWEET POTATO, 25:COLOCASIA, 26:OTHER TUBERS, 27:MUSTARD, 28:GROUND NUT, 29:LINSEED, 30:SESAME, 31:OTHER OILSEED, 32:SUGARCANE, 33:JUTE, 34:TOBACCO, 35:OTHER CASH CROPS, 36:CHILLIES, 37:ONIONS, 38:GARLIC, 39:GINGER, 40:TURMERIC, 41:CARDAMOM, 42:CORIANDER SEED, 43:OTHER SPICES, 44:CAULIFLOWER, 45:CABABE, 46:BROCCOLI, 47:TOMATO, 48:BRINGEL, 49:RADISH, 50:BITTER GUARD, 51:BOTTLE GUARD, 52:OTHER GUARDS, 53:CARROT, 54:LEAFY VEGETBLES, 55:CUCUMBER, 56:LADIES FINGER, 57:PUMPKIN, 58:AMARANTHUS, 59:ORANGE, 60:LEMON, 61:LIME, 62:SWEET LIME, 63:OTHER CITRUS, 64:MANGO, 65:BANANA, 66:GOUVA, 67:JACK FRUIT, 68:PINEAPPLE, 69:LICHEE, 70:PEAR, 71:APPLE, 72:PLUM, 73:PAPAYA, 74:POMEGRANATE, 75:OTHER FRUITS, 76:TEA, 77:THATCH, 78:FODDER TREES, 79:BAMBOO, 80:OTHER TREES

[6] f_7: Which of the following training sessions offered by the RJKIP Agriculture Implementation Office did you attend?
Categories: 1:Cauliflower, 2:Cabbage Cultivation, 3:Bean Seeds Production Methods, 4:Banana Cultivation, 5:Sugarcane Cultivation, 6:Onion Cultivation, 7:Cucurbits Offseason Cultivation, 8:Chillies Cultivation, 9:Tomato Cultivation, 10:Okra (lady's finger) cultivation, 11:Paddy Seed Selection and Treatment, 12:Paddy Bed Preparation, 13:Lentil Cultivation, 14:Wheat Cultivation, 15:Potato Diseases and Prevention, 16:Other, 17:Mushroom

[7] f_2_crop: Select the crop covered in training
Categories: 1:PADDY-LOCAL, 2:PADDY-IMPROVED, 3:WHEAT-LOCAL, 4:WHEAT-IMPROVED, 5:MAIZE-LOCAL, 6:MAIZE-IMPROVED, 7:MILLET, 8:BARLEY, 9:BUCKWHEAT, 10:OTHER CEREALS, 11:SOYBEANS, 12:BLACK GRAM, 13:RED GRAM, 14:GRASS PEA, 15:LENTIL, 16:GRAM, 17:PEA, 18:GREEN GRAM, 19:COARSE GRAM, 20:COW PEA, 21:OTHER LEGUMES, 22:WINTER POTATO, 23:SUMMER POTATO, 24:SWEET POTATO, 25:COLOCASIA, 26:OTHER TUBERS, 27:MUSTARD, 28:GROUND NUT, 29:LINSEED, 30:SESAME, 31:OTHER OILSEED, 32:SUGARCANE, 33:JUTE, 34:TOBACCO, 35:OTHER CASH CROPS, 36:CHILLIES, 37:ONIONS, 38:GARLIC, 39:GINGER, 40:TURMERIC, 41:CARDAMOM, 42:CORIANDER SEED, 43:OTHER SPICES, 44:CAULIFLOWER, 45:CABABE, 46:BROCCOLI, 47:TOMATO, 48:BRINGEL, 49:RADISH, 50:BITTER GUARD, 51:BOTTLE GUARD, 52:OTHER GUARDS, 53:CARROT, 54:LEAFY VEGETBLES, 55:CUCUMBER, 56:LADIES FINGER, 57:PUMPKIN, 58:AMARANTHUS, 59:ORANGE, 60:LEMON, 61:LIME, 62:SWEET LIME, 63:OTHER CITRUS, 64:MANGO, 65:BANANA, 66:GOUVA, 67:JACK FRUIT, 68:PINEAPPLE, 69:LICHEE, 70:PEAR, 71:APPLE, 72:PLUM, 73:PAPAYA, 74:POMEGRANATE, 75:OTHER FRUITS, 76:TEA, 77:THATCH, 78:FODDER

TREES, 79:BAMBOO, 80:OTHER TREES

LEGEND

Legend and structure of information in this file

Name of section

Enabling condition for this section　　　**Type of question, scope**　　　**Variable name**

Question title　　　**Answer options**

SECTION 5: OTHER INCOME SOURCES

E s4_other_sources_which.Contains(98)

Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur?

I **This refers to family relations**
E s3_time_other > 0
V1 s4_rel_leaders_which.Contains(98)
M1 **Can not be itself**
V2 (s3_time_other_breeding_advice <= (50 - s3_time_art_in-sem_advice)) ||s3_time_other_breeding_advice == 0
M2 **This person is not in the list**
F optioncode != s5_ignored_option_code

MULTI-SELECT
SCOPE: PREFILLED　　　　　s4_rel_leaders_other

01 ☐ **Community animal health workers**

02 ☐ **Private**

03 ☐ **Government**

04 ☐ **Livestock keepers association**

05 ☐ **NGO**

And **5 other [13]**

Additional information:
"I" — **Question instruction**
"E" — **Enabling condition**
"V1" — **Validation condition №1**
"M1" — **Message for validation №1**
"F" — **Filter in Categorical questions**

Link to full set in appendix

Breadcrumbs

Type or roster

Roster Title

CHAPTER 3 IDENTIFICATION /
Roster: **LEADER RELATION DETAILS**
generated by fixed list:

01 **Ward Livestock Officer**

02 **Village Livestock Officer**

99 **Other (specify)**

List items