Survey Solutions

Sustainable Intensification of Crop Production in Anurādhapura District-2018

SURVEY IDENTIFICATION INFORMATION
QUESTIONNAIRE DESCRIPTION

MODULE A: HOUSEHOLD IDENTIFICATION
No sub-sections, No rosters, Questions: 18, Static texts: 2.

MODULE B: DEMOGRAPHIC CHARACTERISTICS OF HOUSEHOLD MEMBERS
No sub-sections, Rosters: 1, Questions: 15, Static texts: 1, Variables: 1.

MODULE C: FARM LAND, USE AND MANAGMENT
No sub-sections, Rosters: 1, Questions: 22, Static texts: 1, Variables: 5.

C.A: MAHA SEASON [FROM C.A.1 TO C.A.4]
Sub-sections: 4, Rosters: 6, Questions: 199, Static texts: 2, Variables: 2.

C.B: INTERMEDIATE SEASON [FROM C.B.1 TO C.B.4]
Sub-sections: 4, Rosters: 6, Questions: 199, Static texts: 2, Variables: 2.

C.C: YALA SEASON [FROM C.C.1 TO C.C.4]
Sub-sections: 4, Rosters: 6, Questions: 199, Static texts: 2, Variables: 2.

C.D:ORCHARDS AND HOME GARDENS
No sub-sections, Rosters: 2, Questions: 17, Static texts: 1.

MODULE D: FERTILIZER ACQUISITION
No sub-sections, Rosters: 2, Questions: 21, Static texts: 1.

MODULE E: ACQUISITION OF SEEDS AND/OR PLANTING MATERIALS
No sub-sections, Rosters: 1, Questions: 8, Static texts: 1.

MODULE F: CROP SALES FROM OWN PRODUCTION
Sub-sections: 2, Rosters: 2, Questions: 32, Static texts: 2.

MODULE G: LIVESTOCK, POULTRY AND FISH FARMING
No sub-sections, Rosters: 1, Questions: 19, Static texts: 1.

MODULE H: OFF-FARM INCOME AND REMITTANCES
Sub-sections: 2, Rosters: 3, Questions: 22, Static texts: 2.

MODULE I: RURAL LOANS/CREDIT/INSURANCE
Sub-sections: 2, Rosters: 1, Questions: 15, Static texts: 2.

MODULE J: AGRICULTURAL INFORMATION AND AGRICULTURAL SERVICES
Sub-sections: 2, Rosters: 2, Questions: 12, Static texts: 2.

MODULE K: HOUSEHOLD ASSETS / IMPLEMENTS
Sub-sections: 2, No rosters, Questions: 24, Static texts: 2.

QUESTIONNAIRE WRAP-UP
No sub-sections, No rosters, Questions: 2.

APPENDIX A — VALIDATION CONDITIONS AND MESSAGES

APPENDIX B — INSTRUCTIONS

APPENDIX C — CATEGORIES

APPENDIX D — VARIABLES

APPENDIX E — CATEGORIES FILTERS

LEGEND

SURVEY IDENTIFICATION INFORMATION QUESTIONNAIRE DESCRIPTION

Basic information

Title Sustainable Intensification of Crop Production in Anurādhapura District-2018

Version identificator 00

Survey data information

Study type Agricultural Survey

Kind of data Sample survey data [ssd]

Mode of Data Collection CAPI

Survey information

Country Sri Lanka

Year 2018

Unit of analysis Household

Coverage 1.100

MODULE A: HOUSEHOLD IDENTIFICATION

STATIC TEXT

Enumerator: _Find a respondent who is well informed about the household and the household's agricultural production and is at least 15 years old._

Divisional Secretariat Division	SINGLE-SELECT: COMBO BOX ds SCOPE: IDENTIFYING 7103 ◯ Padaviya 7109 ◯ Medawachchiya 7115 ◯ N.P.C 7121 ◯ Kahatagasdigiliya 7127 ◯ Galenbidunuwewa 7133 ◯ N.P.E 7139 ◯ Nochchiyagama 7145 ◯ Thabuththegama 7151 ◯ Thirappane 7157 ◯ Palugaswewa 7163 ◯ Galnewa
Agrarian Services Center Area	SINGLE-SELECT: COMBO BOX asc SCOPE: IDENTIFYING 01 ◯ Padavi parakkramapura 02 ◯ Medawachchiya 03 ◯ Ethakada 04 ◯ Poonewa 05 ◯ Elayapattuwa 06 ◯ Gambirisgaswewa 07 ◯ Kahatagasdigiliya 08 ◯ Konwewa 09 ◯ Galenbidunuwewa 10 ◯ Yakalla 11 ◯ Siwalakulama 12 ◯ Anuradhapura 13 ◯ Nochchiyagama 14 ◯ Ranorawa 15 ◯ Thabuththegama 16 ◯ Thirappane And 3 other symbols [1]

Grama Niladhari Division	SINGLE-SELECT: COMBO BOX SCOPE: IDENTIFYING	gn
	7103010 ◯ Elkibulagala	
	7103015 ◯ Abayapura	
	7103030 ◯ B yaya	
	7103045 ◯ Balayawewa	
	7103075 ◯ Padaviya	
	7103005 ◯ Buddangala	
	7103070 ◯ Bogahawewa	
	7109125 ◯ Yakawewa	
	7109130 ◯ Thammenna elawaka	
	7109020 ◯ Puhubevila	
	7109015 ◯ Lolugaswewa	
	7109025 ◯ Hiralugama	
	7109030 ◯ Ethkada	
	7109080 ◯ Kidagale gama	
	7109010 ◯ Parana Halmillewa	
	7109075 ◯ Maha Diwl Wawa	
	And 83 other symbols [2]	
Farmer Organization	SINGLE-SELECT: COMBO BOX SCOPE: IDENTIFYING	fo
	001 ◯ Yaya 5/6	
	002 ◯ Yay5/6 Dutugamunu	
	003 ◯ 3/Isuru	
	004 ◯ Aruna Bedum Ela	
	005 ◯ Suhada	
	006 ◯ Isipathana	
	007 ◯ Konwewa Jaya Udana	
	008 ◯ 8/Perakum	
	009 ◯ Siybalawewa	
	010 ◯ Ranahansa	
	011 ◯ Medagama	
	012 ◯ Elawaka	
	013 ◯ Sisila	
	014 ◯ 14/Shakthi	
	015 ◯ Suwa Shakthi	
	016 ◯ Pubudu	
	And 94 other symbols [3]	
Irrigation System	SINGLE-SELECT SCOPE: IDENTIFYING	irri
	01 ◯ Major	
	02 ◯ Minor	
	03 ◯ Mahaweli	
	04 ◯ Rainfed	
Household ID number	SINGLE-SELECT: COMBO BOX SCOPE: IDENTIFYING	hhid
	01 ◯ 001	
	02 ◯ 002	
	03 ◯ 003	
	04 ◯ 004	
	05 ◯ 005	
	06 ◯ 006	
	07 ◯ 007	
	08 ◯ 008	
	09 ◯ 009	
	10 ◯ 010	
	11 ◯ 011	
	12 ◯ 012	

Name of the Village/Place in which the household is living	TEXT	vil
Type of Irrigation Scheme/Tank used to collect the water for agricultural activites	TEXT	irrs

Enumerator: Please, record the current household's location by taking geo-reference at the front door or main entrance of structure.

GPS   gps

N

W

A

W1 /* Check whether coordinates fall within a rectangele th at outlines Ethiopia If boundaries are not known, there are several tools for finding them. Wikipedia has a list : https://en.wikipedia.org/ And 770 other symbols [1]

M1 The coordinates are out of the district boundaries. Please check the GPS setting and if the GPS is not accurate please record the coordinate manually using another support (cell phone).

Enumerator: Please record the GPS coordinates of the dwelling using another device

LATITUDE

TEXT   gps_n

I DON'T FORGET TO SAVE THE COORDINATES ON YOUR GPS UNIT. S AVE COORDINATES AS THE xx-DIGIT EXAMPLE: "xxxxxxxxxx"

E !IsAnswered (gps) || !gps.InRectangle(8.966363996701148 , // north 79.863383317386251, // west 7.703477163040702 , // south 81.189222341737718 // east)

Enumerator: Please record the GPS coordinates of the dwelling using another device

LONGITUDE

TEXT   gps_e

E !IsAnswered (gps) || !gps.InRectangle(8.966363996701148 , // north 79.863383317386251, // west 7.703477163040702 , // south 81.189222341737718 // east)

A01. Name of Household Head

TEXT   a_01

I Enumerator: Please note that a household may be a one-person house hold or a multi person household. A one-person household is a unit wh ere a person lives by himself and makes separate provision for hi And 607 other symbols [1]

A02. Name of Main Respondent

TEXT   a_02

I Enumerator:<\u> Please note that the questionnaire is preferably to be a dministered to the member who is actively involved in agricultural activiti es. In most of the occasions, the main respondent co And 381 other symbols [2]

A03. Phone number of primary Informant

TEXT   a_03

Please record the date and time of the interview start

DATE: CURRENT TIME   Intv_Start

STATIC TEXT

Enumerator: Please, convey the following information to the respondent:

Thank you for the opportunity to speak with you. We are a research team from the Hector Kobbekaduwa Agrarian Research and Training Institute (HARTI) working in collaboration with the Food and Agricultural Organization (FAO) of the United Nations. We are conducting a survey to learn about sustainable intensification of crop production houshold farmers living in Anurādhapura district. Your household has been randomly selected to participate in an interview which includes questions on topics such as family background, land use and crop production, fertilizer and seed acquistions, crop sales, source of income, access to information and infrastructures, assets and dwelling characteristics. The survey includes both a section to be asked about the household generally, in addition to a specific sections on field

managment and crop production.

The household questionnaire will take approximately 120 minutes to complete. Your participation is entirely voluntary. Your answers will be completely confidential; we will not share information that identifies you with anyone.

As the individual who is well informed about the household and the household's agricultural production, we would like to ask you the questions in the household section.

Before I start, do you have any questions or is there anything which I have said on which you would like any further clarification? May I proceed with interviewing you and members of your household?

Do you agree to participate in the survey? I Do not record an answer to this question until you have conveyed the introductory statement to the respondent.	SINGLE-SELECT 01 ◯ YES 02 ◯ NO	consent
Please state the reason for negative response E consent == 2	SINGLE-SELECT 01 ◯ REFUSAL 02 ◯ NON-CONTACT 03 ◯ HOUSEHOLD MOVED OUT 04 ◯ HOUSEHOLD DISSOLVED	refusal
Are you or anyone in your household engaged in field activities implemented by FAO-HARTI save and grow project during the 2018/2019 Maha season? E consent == 1	SINGLE-SELECT 01 ◯ YES 02 ◯ NO	save_growth_filter

MODULE B: DEMOGRAPHIC CHARACTERISTICS OF HOUSEHOLD MEMBERS

STATIC TEXT

Enumerator: Please ask the respondent about each member of the household who lived in this household during the 2017/2018 agricultural year (from October 1st 2017 to September 30th 2018)

B01. Please, list the household head first and then <u>all members</u> who lived in this household from October 1st 2017 to September 30th 2018.	LIST	b_01

MODULE B: DEMOGRAPHIC CHARACTERISTICS OF HOUSEHOLD MEMBERS
Roster: HOUSEHOLD MEMBER ROSTER
generated by list question b_01   mem_roster

B02. What is the <u>gender</u> of %rostertitle%?	SINGLE-SELECT 01 ◯ MALE 02 ◯ FEMALE	b_02

B03. What is the <u>relationship</u> of %rostertitle% to the <u>current</u> household head?	SINGLE-SELECT b_03

E1   `/*----------------------------------- Validation to make sure only one person is reported to be the household head -----------------------------*/ self==1 ? /// Is this person the ho` <u>And 199 other symbols [2]</u>

M1   There must be only one person in the household designated as head.

E2   `/* Check that head has different gender than spouse(s) */ // if head is current person, and does at least one spouse exist? self==1 && mem_roster.Any(x=>x.b_03==2) ? // if so, check that there` <u>And 158 other symbols [2]</u>

M2   The head and his/her spouse typically have different genders. Please confirm.

E3   `/* Check that spouse has different gender than head */ // if head is current person, and does at least one spouse exist? b_03==2 && mem_roster.Any(x=>x.b_03==1) ? // if so, check whether spouse` <u>And 131 other symbols [2]</u>

M3   Spouse typically has a different genders than his/her spouse (the head of household). Please confirm.

E4   `/* Checks if no household head was listed. Note: this runs at the end so it does not trigger errors constantly */ // Check that all information has been filled mem_roster.All(x=>x.b_03!=null) ?` <u>And 121 other symbols [2]</u>

M4   No household member was identified as the household head. Please confirm.

SINGLE-SELECT options (b_03):
- 01 ◯ HEAD
- 02 ◯ WIFE / HUSBAND
- 03 ◯ CHILD (OWN/STEP)
- 04 ◯ PARENT / PARENT-IN-LAW
- 05 ◯ BROTHER / SISTER
- 06 ◯ OTHER RELATIVE
- 07 ◯ OTHER NON-RELATIVE

B04A. In what <u>year</u> was %rostertitle% born? (4-DIGIT)

NUMERIC: INTEGER   b_04a

`- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - .`

E1   `/* Example of using the InRange function to check the number entered is within a certain range. This validation checks if the year of birth is between 1900 and 2017. */ self.InRange(1900,2018)`

M1   Please enter a valid year of birth.

B04B. In which <u>month</u> was %rostertitle% born?

SINGLE-SELECT   b_04b

- 01 ◯ JANUARY
- 02 ◯ FEBRUARY
- 03 ◯ MARCH
- 04 ◯ APRIL
- 05 ◯ MAY
- 06 ◯ JUNE
- 07 ◯ JULY
- 08 ◯ AUGUST
- 09 ◯ SEPTEMBER
- 10 ◯ OCTOBER
- 11 ◯ NOVEMBER
- 12 ◯ DECEMBER
- 99 ◯ DON'T KNOW

VARIABLE

`/* This calculate the age from the given date of birth. Since both month can be 99, then we have to write multiple cases to account for 99 values. FullYearsBetween finds the number of years between tw`

<u>And 354 other symbols [1]</u>

LONG   b_05

B06. What is %rostertitle%'s present <u>marital status</u>?

SINGLE-SELECT   b_06

- 01 ◯ MARRIED
- 02 ◯ WIDOWED
- 03 ◯ NEVER MARRIED
- 04 ◯ SEPARATED
- 05 ◯ DIVORCED

B07. What is the <u>highest formal education qualification</u> %rostertitle% has acquired? E /// Respond for only members 5 years old and above b_05>=5	SINGLE-SELECT b_07 01 ◯ NONE 02 ◯ GRADE 1 03 ◯ GRADE 2 04 ◯ GRADE 3 05 ◯ GRADE 4 06 ◯ GRADE 5 07 ◯ GRADE 6 08 ◯ GRADE 7 09 ◯ GRADE 8 10 ◯ GRADE 9 11 ◯ GRADE 10 12 ◯ GRADE 11 13 ◯ G.C.E. (O/L) PASSED 14 ◯ G.C.E. (A/L) PASSED 15 ◯ UNDERGRADUATE 16 ◯ BACHELOR'S DEGREE And 3 other symbols [4]
B08. For how many months has %rostertitle% <u>been away</u> from this household from October 1st 2017 to September 30th 2018? I (Must be 12 or less) E1 self.InRange(0,12) M1 Please enter a valid number of months. The member cannot have been away for more than 12 months in the past 12 months.	NUMERIC: INTEGER b_08 - SPECIAL VALUES 00 The HH member was never away
B09. What was the %rostertitle% <u>employment status</u> from October 1st 2017 to September 30th 2018? I Enumerator: Please consider as employed also the houshold memeber that has been employed only a part of the whole reference period. E b_08<12	SINGLE-SELECT b_09 01 ◯ EMPLOYED 02 ◯ UNEMPLOYED – JOB ASPIRANT 03 ◯ UNEMPLOYED- NOT A JOB ASPIRANT 04 ◯ STUDENT 05 ◯ RETIRED 06 ◯ OLD, DISABLED, INFANTS AND ETC 07 ◯ HOUSEWIFE 08 ◯ OTHER (SPECIFY)
B09. Specify the employment status of %rostertitle% E b_09==8	TEXT b_09_oth ·
B10. What was %rostertitle%'s <u>primary employment</u> from October 1st 2017 to September 30th 2018? E b_08<12 && b_09==1	SINGLE-SELECT b_10 01 ◯ CROP FARMING 02 ◯ ANIMAL HUSBANDRY 03 ◯ AGRICULTURAL LABOUR (NON-SKILLED) 04 ◯ NON-AGRICULTURAL LABOUR (NON SKILLED) 05 ◯ GOVERNMENT EMPLOYMENT 06 ◯ PRIVATE SECTOR EMPLOYMENT 07 ◯ SKILLED LABOUR (CARPENTER, MECHANIC, ETC…) 08 ◯ SELF-EMPLOYED 09 ◯ FOREIGN EMPLOYMENT 10 ◯ OTHER

B10. Specify the primary employment of %rostertitle% from October 1st 2017 to September 30th 2018	TEXT b_10_oth
E b_10==10	....

B11. What was %rostertitle%'s secondary employment from October 1st 2017 to September 30th 2018?	SINGLE-SELECT b_11
E b_08<12 && b_09==1	00 ◯ NONE 01 ◯ CROP FARMING 02 ◯ ANIMAL HUSBANDRY 03 ◯ AGRICULTURAL LABOUR (NON-SKILLED) 04 ◯ NON-AGRICULTURAL LABOUR (NON SKILLED) 05 ◯ GOVERNMENT EMPLOYMENT 06 ◯ PRIVATE SECTOR EMPLOYMENT 07 ◯ SKILLED LABOUR (CARPENTER, MECHANIC, ETC…) 08 ◯ SELF-EMPLOYED 09 ◯ FOREIGN EMPLOYMENT 10 ◯ OTHER

B11. Specify the secondary employment of %rostertitle% from October 1st 2017 to September 30th 2018	TEXT b_11_oth
E b_11==10	....

B12. What was %rostertitle%'s status within the farmers' organization from October 1st 2017 to September 30th 2018?	SINGLE-SELECT b_12
E b_08<12 && b_03==1	01 ◯ PRESIDENT 02 ◯ SECRETARY 03 ◯ TREASURER 04 ◯ JALAPALAKA 05 ◯ ORDINARY MEMBER 06 ◯ TRACK REPRESENTATIVE

MODULE C: FARM LAND, USE AND MANAGMENT

STATIC TEXT

Enumerator: Please note that a field is a piece of land with distinct boundaries defined by land-use (crops grown and the operator).

The module is composed of three selectively activated sub-modules (denominated A, B, C) corresponding to the three agricultural seasons (Maha, Intermediate And Yala) and containing questions at plot and/or crop level fro lowland and uplands.

We will also ask a number of questions for the enitire agricultural year at plot level for home gardens and orchards.

Please, ask about all the plots (lowlands, uplands, horme gardens, orchards, chena lands, fallowfields, virgin lands etc..) owned, held, and/or cultivated and or managed by the household from October 1st 2017 to September 30th 2018.

C_Filter. Did you or anyone in your household own, hold, and/or cultivate any land from October 1st 2017 to September 30th 2018?	SINGLE-SELECT c_filter
I Enumerator: Please, considers all the lands owned by the household member own but held by someone outside the household during the reference period	01 ◯ Yes 02 ◯ No

C01. Please, list all the plots <u>owned, hold, and/or cultivated and/or managed</u> from October 1st 2017 to September 30th 2018	LIST c_01
E c_filter==1	....

MODULE C: FARM LAND, USE AND MANAGMENT
Roster: FIELD ROSTER
generated by list question c_01

E c_filter==1

C02. What is the <u>land type</u> of %rostertitle% ?	SINGLE-SELECT c_02
	01 ◯ LOWLAND
	02 ◯ UPLANDS
	03 ◯ HOME GARDEN
	04 ◯ ORCHARDS
	05 ◯ FALLOW FIELDS
	06 ◯ VIRGIN LANDS
	07 ◯ CHENA
	08 ◯ OTHER (SPECIFY)

C02. Specify the <u>land type</u> of %rostertitle%	TEXT c_02_oth
E c_02==8	....

C03A. What is the <u>area of %rostertitle%</u>?	NUMERIC: DECIMAL c_03a
	- -

C03B. Unit of measurement	SINGLE-SELECT c_03b
	01 ◯ ACRE
	02 ◯ HECTAR
	03 ◯ PERCH
	04 ◯ ROOD
	05 ◯ AMUNU

VARIABLE ((conversionfactors[(int)c_03b].conversion)*c_03a)<=0.10 37	BOOLEAN cd_00a

CD00B. What type of crop was mainly cultivated on %rostertitle% from October 1st 2017 to September 30th 2018?	SINGLE-SELECT cd_00b
E c_02==3 && cd_00a==false	01 ◯ PERENNIALS
E1 self!=2	02 ◯ MAIZE OR OTHER SEASONAL CROPS
M1 Home Gardens should be equal or smaller than 40 perches. When the field is greater and the mian crop cultivated is maize or another seasonal crop, please consider the plot as UPLAND	
W2 cd_00a==true	
M2 Home Gardens should be equal or smaller than 40 perches. When the field is greater and the main crop cultivated is a perennial or a vegetable, please consider the plot as an ORCHARD	

C04. What was the <u>tenure status</u> of %rostertitle% from October 1st 2017 to September 30th 2018?	SINGLE-SELECT c_04
	01 ◯ SOLE OWNERSHIP
	02 ◯ SHARED OWNERSHIP
	03 ◯ LEASED
	04 ◯ TENURE IN
	05 ◯ TENURE OUT
	06 ◯ PERMIT LAND
	07 ◯ ENCROACHED LAND
	08 ◯ MORTGAGED
	09 ◯ OTHER (SPECIFY)

C04.Specify the <u>tenure status</u> of %rostertitle% from October 1st 2017 to September 30th 2018 ? E `c_04==9`	TEXT c_04_oth ....
C05. How did this household <u>acquire</u> %rostertitle% ? E `c_04!=4`	SINGLE-SELECT c_05 01 ○ PURCHASED 02 ○ INHERITED 03 ○ GIFTED 04 ○ RENTED / BORROWED 05 ○ ALLOCATED 06 ○ ENCROACHED 07 ○ LICENSE 08 ○ BETHMA
C06. What was the main source of water of %rostertitle% from October 1st 2017 to September 30th 2018 ?	SINGLE-SELECT c_06 01 ○ CANAL IRRIGATION 02 ○ GROUNDWATER 03 ○ DRAINAGE WATER 04 ○ AGRO WELLS 05 ○ RAINFED
C07. What is the %rostertitle%'s <u>location</u> respect to the <u>irrigation cannel</u>? E `c_06==1`	SINGLE-SELECT c_07 01 ○ HEAD 02 ○ MIDDLE 03 ○ TAIL
C07_TRIAL. What is the canal from which %rostertitle% gets the water? I D1 - D4 from right to left E `c_06==1`	SINGLE-SELECT c_07_trial 01 ○ D1 02 ○ D2 03 ○ D3 04 ○ D4
C08. What did the HH do to prevent the soil erosion and/or flash flooding and/or waterlogging of %rostertitle% from October 1st 2017 to September 30th 2018 ? E `IsAnswered(c_04) && c_04!=5`	MULTI-SELECT c_08 -99 ☐ NOTHING 02 ☐ STONE BUNDS 03 ☐ EARTHEN BUNDS 04 ☐ TERRACES 05 ☐ DRAINAGE DITCHES 06 ☐ GRASS BARRIERS 07 ☐ CONTOUR FARMING/ PLOWING 08 ☐ OTHER (SPECIFY)
C08. Specify how the HH prevents <u>soil erosion and/or flash flooding and/or waterlogging</u> of %rostertitle% from October 1st 2017 to September 30th 2018 E `c_08.Contains(8)`	TEXT c_08_oth ....
C09. What is the <u>main type of tree</u> (<u>excluding that producing food/fruit crops</u>) integrated into %rostertitle% by the household from October 1st 2017 to September 30th 2018? E `c_04!=5`	SINGLE-SELECT c_09 -99 ○ NO AGROFORESTRY TREES IN THE FIELD 01 ○ AGROFORESTRY TREES ALREADY EXISTING IN THE FIELD 02 ○ GLIRICIDIA SEPIUM (GLIRICIDIA) 03 ○ ERYTHRINA VARIEGATE (ERABADU) 04 ○ PAVETTA INDICA (PAVETTA) 05 ○ OTHER (SPECIFY)

C09. Specify the <u>main type of tree</u> (<u>excluding that producing food/fruit crops</u>) integrated into %rostertitle% by the household from October 1st 2017 to September 30th 2018 E `c_09==5`	TEXT c_09_oth ....
C10. What was the <u>purpose of integrating trees</u> into the %rostertitle% ? E `c_09!=-99 && c_04!=5`	MULTI-SELECT c_10 -99 ☐ DON'T KNOW 01 ☐ WIND BREAK 02 ☐ LIVE FENCE 03 ☐ ANIMAL FEEDING 04 ☐ SHADING 05 ☐ OTHER (SPECIFY)
C10. Specify the <u>purpose of integrating trees</u> into the %rostertitle% ? E `c_10.Contains(5)`	TEXT c_10_oth ....
C11.How the crop/field residues from %rostertitle% were managed during the reference period ? E `c_02!=5 && c_04!=5`	SINGLE-SELECT c_11 -99 ○ DON'T KNOW 01 ○ BURNED ON FIELD 02 ○ LEFT IN FIELD THEN PLOWED/ INCORPORATED INTO FIELD 03 ○ GRAZED BY ANIMALS 04 ○ CUT & REMOVED FROM FIELD & FED TO ANIMALS 05 ○ CUT & REMOVED FROM THE FIELD AND SELL 06 ○ CUT & REMOVED FROM FIELD FOR OTHER HH USES 07 ○ COMPOSTING
C12.Is this the same strategy used for the residues management of %rostertitle% during the last 5 agricultural year? E `IsAnswered(c_11) && c_11>0`	SINGLE-SELECT c_12 01 ○ YES 02 ○ NO
C13. What do you <u>usually add<\u> to enhance the decomposition rate of the residues incorporated into %rostertitle% ? E `c_11==2`	SINGLE-SELECT c_13 01 ○ NO ADDITION 02 ○ WATER 03 ○ UREA 04 ○ OTHER (SPECIFY)
VARIABLE `field.Count(x=>x.c_02==1)`	LONG count_lowlands
VARIABLE `field.Count(x=>x.c_02==2)`	LONG count_uplands
VARIABLE `field.Count(x=>x.c_02==3)`	LONG count_gardens
VARIABLE `field.Count(x=> x.c_02==4)`	LONG count_orchards

C.A: MAHA SEASON [FROM C.A.1 TO C.A.4]

E `count_lowlands>0 || count_uplands>0`

Did you or anyone in your household <u>cultivate</u> any lowland during the 2017/2018 Maha season? E count_lowlands>0	SINGLE-SELECT ca_lowfilter 01 ◯ YES 02 ◯ NO
Which lowlands did the household cultivate during the 2017/2018 Maha season? F c_02==1 E ca_lowfilter==1	MULTI-SELECT: LINKED acl_filter

C.A: MAHA SEASON [FROM C.A.1 TO C.A.4]

C.A.1: LOWLAND PREPARATION AND WATER MANAGEMENT MAHA SEASON

E ca_lowfilter==1

STATIC TEXT

<u>Enumerator:</u> Please ask about all the lowland fields cultivated during the 2017/2018 Maha season
Include all cropped fields in <u>LOWLANDS</u> and exclude uplands, home garden, fallow fields, and virgin land

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C.A: MAHA SEASON [FROM C.A.1 TO C.A.4] / C.A.1: LOWLAND PREPARATION AND WATER MANAGEMENT MAHA SEASON

Roster: LOWLANDS MAHA ROSTER

generated by list question c_01   alfield_roster

E ca_lowfilter==1 && c_02==1 && acl_filter.Select(x=>x[0]).Contains(@rowcode)

AC20. What is the <u>main crop</u> cultivated on %rostertitle%?	SINGLE-SELECT ac_20 01 ◯ RICE 02 ◯ MAIZE 03 ◯ BLACK GRAM 04 ◯ GROUNDNUT 05 ◯ SOYA BEAN 06 ◯ COWPEA 07 ◯ GREEN GRAM 08 ◯ GINGERLY 09 ◯ FINGER MILLET 10 ◯ CHILIES 11 ◯ LUFFA 12 ◯ LADIES FINGERS 13 ◯ BRINJAL 14 ◯ BITTER GOURD 15 ◯ TOMATO 16 ◯ PUMPKIN And 2 other symbols [5]
AC20. Specify what is the main crop cultivated on %rostertitle% E ac_20==18	TEXT ac_20_oth ....
AC21. What was the <u>main land preparation method</u> used on %rostertitle%?	SINGLE-SELECT ac_21 01 ◯ CONVENTIONAL HAND-HOEING 02 ◯ PLANTING BASINS (potholes) 03 ◯ ZERO TILLAGE 04 ◯ PLOUGHING 05 ◯ RIDGING (BEFORE PLANTING) 06 ◯ BUNDING 07 ◯ MOUNDING

AC22A. What was the <u>source of power used for the 1st land preparation</u> of %rostertitle%? E ac_21!=3	SINGLE-SELECT ac_22a 001 ◯ MANUAL 002 ◯ BUFFALOES 003 ◯ TWO WHEELS TRACTOR 004 ◯ FOUR WHEELS TRACTOR -999 ◯ NOT APPLICABLE
AC22B. What type of plough machinery did the household use for 1st land preparation of %rostertitle%? E ac_22a>2	MULTI-SELECT ac_22b 01 ☐ ROTAVATOR 02 ☐ DISC PLOUGH 03 ☐ MOULD BOARD 04 ☐ HARROW 05 ☐ CHISEL PLOUGH 06 ☐ OTHER (SPECIFY)
AC22B. Specify what type of plough machinery did the household use for 1st land preparation of %rostertitle%? E ac_22b.Contains(6)	TEXT ac_22b_oth ....
AC22C. Where did the household get the <u>source of power used for the 1st land preparation</u> of the %rostertitle%? E ac_22a>1	SINGLE-SELECT ac_22c 01 ◯ SELF OWNED 02 ◯ BORROW FROM NEIGHBOR 03 ◯ RENT OUT FROM SERVICE PROVIDER 04 ◯ RENT OUT FROM FARMER ORGANIZATION 05 ◯ RENT OUT FROM ASC 06 ◯ OTHER (SPECIFY)
AC22C. Specify where did the household get the <u>source of power used for the 1st land preparation</u> of %rostertitle%? E ac_22c==6	TEXT ac_22c_oth ....
AC22D. What was the cost of the machinery used for the 1st land preparation of the %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E ac_22a>2	NUMERIC: INTEGER ac_22d - SPECIAL VALUES -99 DO NOT KNOW
AC22E. How many <u>man/days of household labour were used for the 1st land preparation</u> of %rostertitle%? I Enumerator: Please include canal clearing and bund preparation in the labour requirement for first land preparation E ac_21!=3 && ac_22a!=-999	NUMERIC: DECIMAL ac_22e - SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LABOUR FOR THE TASK
AC22F. How many <u>man/days of hired labour were used for the 1st land preparation</u> of %rostertitle%? I Enumerator: Please include canal clearing and bund preparation in the labour requirement for first land preparation E ac_21!=3 && ac_22a!=-999	NUMERIC: DECIMAL ac_22f - SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR FOR THE TASK

AC22G. What was <u>the daily cost per person of the hired labour for 1<u>st</u> preparation</u> of %rostertitle%? I (Rupees per day) E ac_22f>0	NUMERIC: INTEGER ac_22g ------------------------ SPECIAL VALUES -99 DO NOT KNOW
AC22H. What was the total cost for the 1st land preparation of the %rostertitle%? I (Rupees) E ac_22d==-99 && ac_22g==-99	NUMERIC: INTEGER ac_22h ------------------------
AC23A. What was the <u>source of power used for the 2<u>nd</u> land preparation</u> of %rostertitle%? E ac_21!=3 && ac_22a!=-999	SINGLE-SELECT ac_23a 001 ◯ MANUAL 002 ◯ BUFFALOES 003 ◯ TWO WHEELS TRACTOR 004 ◯ FOUR WHEELS TRACTOR -999 ◯ NOT APPLICABLE
AC23B. What type of plough machinery did the household use for 2nd land preparation of %rostertitle%? E ac_21!=3 && ac_23a>2 && ac_23a!=-999	MULTI-SELECT ac_23b 01 ☐ ROTAVATOR 02 ☐ DISC PLOUGH 03 ☐ MOULD BOARD 04 ☐ HARROW 05 ☐ CHISEL PLOUGH 06 ☐ OTHER (SPECIFY)
AC23B. Specify what type of plough machinery did the household use for 2nd land preparation of %rostertitle%? E ac_23b.Contains(6)	TEXT ac_23b_oth ....
AC23C. Where did the household get the <u>source of power used for the 2<u>nd</u> land preparation</u> of %rostertitle%? E ac_21!=3 && ac_23a>1 && ac_23a!=-999	SINGLE-SELECT ac_23c 01 ◯ SELF OWNED 02 ◯ BORROW FROM NEIGHBOR 03 ◯ RENT OUT FROM SERVICE PROVIDER 04 ◯ RENT OUT FROM FARMER ORGANIZATION 05 ◯ RENT OUT FROM ASC 06 ◯ OTHER (SPECIFY)
AC23C. Specify what was the <u>source of the machinery used for the 2<u>nd</u> land preparation</u> of %rostertitle%? E ac_23c==6	TEXT ac_23c_oth ....
AC23D. What was the cost of the machinery used for the 2nd land preparation of the %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E ac_21!=3 && ac_23a>2 && ac_23a!=-999	NUMERIC: INTEGER ac_23d ------------------------ SPECIAL VALUES -99 DO NOT KNOW
AC23E. How many <u>man/days of household labour were used for the 2<u>nd</u> land preparation</u> of %rostertitle%? E ac_21!=3 && ac_23a!=-999 && ac_22a!=-999	NUMERIC: DECIMAL ac_23e ------------------------ SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LABOUR FOR THE TASK

AC23F. How many <u>man/days of hired labour were used for the 2nd land preparation</u> of %rostertitle%? E ac_21!=3 && ac_23a!=-999 && ac_22a!=-999	NUMERIC: DECIMAL ac_23f ------------------------------ SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
AC23G. What was <u>the daily cost per person of the hired labour for 2nd preparation</u> of %rostertitle%? I (Rupees per day) E ac_23f>0	NUMERIC: INTEGER ac_23g ------------------------------ SPECIAL VALUES -99 DO NOT KNOW
AC23H. What was the total cost for the 2nd land preparation of the %rostertitle%? I (Rupees) E ac_23d==-99 && ac_23g==-99	NUMERIC: INTEGER ac_23h ------------------------------
AC24A. What was the <u>source of power used for levelling</u> of %rostertitle%? E ac_21!=3	SINGLE-SELECT ac_24a 001 ◯ MANUAL 002 ◯ BUFFALOES 003 ◯ TWO WHEELS TRACTOR 004 ◯ FOUR WHEELS TRACTOR -999 ◯ NOT APPLICABLE

AC24C. Where did the household get the <u>source of the machinery used for the levelling</u> of %rostertitle%?
 	
E ac_24a>1 && ac_24a!=-999
	SINGLE-SELECT ac_24c
	
	01 ◯ SELF OWNED
	02 ◯ BORROW FROM NEIGHBOR
	03 ◯ RENT OUT FROM SERVICE
	       PROVIDER
	04 ◯ RENT OUT FROM FARMER
	       ORGANIZATION
	05 ◯ RENT OUT FROM ASC
	06 ◯ OTHER (SPECIFY)

AC24C. Specify what was the <u>source of the machinery used for the levelling</u> %rostertitle%? E ac_24c==6	TEXT ac_24c_oth ....
AC24D. What was the cost of the machinery used for the levelling of the %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E ac_21!=3 && ac_24a>2 && ac_24a!=-999	NUMERIC: INTEGER ac_24d ------------------------------ SPECIAL VALUES -99 DO NOT KNOW
AC24E. How many <u>man/days of household labour were used for the levelling</u> of %rostertitle%? E ac_21!=3 && ac_24a!=-999	NUMERIC: DECIMAL ac_24e ------------------------------ SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK
AC24F. How many <u>man/days of hired labour were used for the levelling</u> of %rostertitle%? E ac_21!=3 && ac_24a!=-999	NUMERIC: DECIMAL ac_24f ------------------------------ SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK

AC24G. What was <u>the daily cost per person of the hired labour for levelling</u> of %rostertitle%? I (Rupees per day) E ac_24f>0	NUMERIC: INTEGER ac_24g - . SPECIAL VALUES -99 DO NOT KNOW
AC24H. What was the total cost for the levelling of the %rostertitle%? I (Rupees) E ac_24d==-99 && ac_24g==-99	NUMERIC: INTEGER ac_24h - .
AC25A. What was the <u>crop establishment method</u> practiced on %rostertitle%?	SINGLE-SELECT ac_25a 01 ○ BROADCASTING 02 ○ MANUAL TRANSPLANTING 03 ○ MECHANICAL TRANSPLANTING 04 ○ PARACHUTING 05 ○ MANUAL DIRECT SEEDING 06 ○ MECHANICAL DIRECT SEEDING
AC25E. How many <u>man/days of male household labour were used for the crop establishment</u> of %rostertitle%?	NUMERIC: DECIMAL ac_25e - . SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHO LD LABOUR FOR THE TASK
AC25F. How many <u>man/days of male hired labour were used for the crop establishment</u> of the %rostertitle%?	NUMERIC: DECIMAL ac_25f - . SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LAB OUR FOR THE TASK
AC25G. What was <u>the daily cost per male person of the hired labour for te crop establishment</u> of %rostertitle%? I (Rupees per day) E ac_25f>0	NUMERIC: INTEGER ac_25g - .
AC25E2. How many <u>man/days of female household labour were used for the crop establishment</u> of %rostertitle%?	NUMERIC: DECIMAL ac_25e2 - . SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSE HOLD LABOUR FOR THE TASK
AC25F2. How many <u>man/days of female hired labour were used for the crop establishment</u> of the %rostertitle%?	NUMERIC: DECIMAL ac_25f2 - . SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED L ABOUR FOR THE TASK

AC25G2. What was <u>the daily cost per female person of the hired labour for te crop establishment</u> of %rostertitle%? I (Rupees per day) E `ac_25f2>0`	NUMERIC: INTEGER ac_25g2 - .
AC26A. How many lime did the HH applied on %rostertitle%?	NUMERIC: INTEGER ac_26a - . SPECIAL VALUES 00 NONE
AC26B. Unit of measurement E `ac_26a>0`	SINGLE-SELECT ac_26b 01 ◯ KILOGRAM 02 ◯ 50KG BAG 03 ◯ 25KG BAG 04 ◯ 10KG BAG 05 ◯ GRAM
AC220. What was the <u>main source of water</u> used for %rostertitle%?	SINGLE-SELECT ac_220 01 ◯ CANAL IRRIGATION 02 ◯ GROUNDWATER 03 ◯ DRAINAGE WATER 04 ◯ AGROWELLS 05 ◯ RAINFED
AC221. What was the <u>irrigation method</u> used on %rostertitle%? E `ac_220<5`	SINGLE-SELECT ac_221 01 ◯ FLOOD IRRIGATION 02 ◯ FURROW IRRIGATION 03 ◯ SPRINKLER IRRIGATION 04 ◯ DRIP IRRIGATION 05 ◯ SURFACE IRRIGATION 06 ◯ OTHER (SPECIFY)
AC221. Specify what was the <u>irrigation method</u> used on %rostertitle%? E `ac_221==6`	TEXT ac_221_oth ....
AC222. What was the <u>share of %rostertitle%'s area</u> under irrigation? E `ac_220<5`	SINGLE-SELECT ac_222 01 ◯ FULL EXTENT 02 ◯ HALF OF THE EXTENT 03 ◯ A QUARTER OF AN EXTENT 04 ◯ THREE QUARTERS 05 ◯ ONE THIRD 06 ◯ TWO THIRDS
AC223. How many <u>water rotations</u> were decided in pre-kanna meeting for %rostertitle%? E `ac_220==1`	NUMERIC: INTEGER ac_223 - .
AC224. How many <u>water issues</u> did you received in for %rostertitle%? E `ac_220==1`	NUMERIC: INTEGER ac_224 - .
AC225. What was the average number of days per issue on %rostertitle%? E `ac_220==1`	NUMERIC: DECIMAL ac_225 - .

AC226. What are the water saving practices applied to %rostertitle%? E ac_220<5	SINGLE-SELECT	ac_226
	01 ○ NONE 02 ○ AWD 03 ○ SRI METHOD 04 ○ NAWA KEKULAMA	
AC227. Was the water available on %rostertitle% sufficient for the crop growth?	SINGLE-SELECT	ac_227
	01 ○ YES 02 ○ NO	

C.A: MAHA SEASON [FROM C.A.1 TO C.A.4]
C.A.2: LOWLANDS INPUT USE PLANTING AND HARVESTING MAHA SEASON

E ca_lowfilter==1

C.A: MAHA SEASON [FROM C.A.1 TO C.A.4] / C.A.2: LOWLANDS INPUT USE PLANTING AND HARVESTING MAHA SEASON
Roster: LOWLANDS MAHA ROSTER
generated by list question c_01

alfield_roster2

E ca_lowfilter==1 && c_02==1 && acl_filter.Select(x=>x[0]).Contains(@rowcode)

AC310.Please list all crop planted on %rostertitle% during the 2017/2018 Maha season	MULTI-SELECT	ac_310
	01 ☐ RICE 02 ☐ MAIZE 03 ☐ BLACK GRAM 04 ☐ GROUNDNUT 05 ☐ SOYA BEAN 06 ☐ COWPEA 07 ☐ GREEN GRAM 08 ☐ GINGERLY 09 ☐ FINGER MILLET 10 ☐ CHILIES 11 ☐ LUFFA 12 ☐ LADIES FINGERS 13 ☐ BRINJAL 14 ☐ BITTER GOURD 15 ☐ TOMATO 16 ☐ PUMPKIN And 2 other symbols [6]	
AC310. Specify what crop was planted on %rostertitle% during the 2017/2018 Maha season? E ac_310.Contains(18)	TEXT	ac_310_oth

C.A: MAHA SEASON [FROM C.A.1 TO C.A.4] / C.A.2: LOWLANDS INPUT USE PLANTING AND HARVESTING MAHA SEASON / LOWLANDS MAHA ROSTER
Roster: CROP LOWLAND MAHA ROSTER
generated by multi-select question ac_310

alcrop_roster

AC311A. What quantity of seed, tubers, or vines did the HH plant for the first planting of %rostertitle%	NUMERIC: INTEGER	ac_311a

AC311B. Unit of measurement E ac_311a>0	SINGLE-SELECT 01 ◯ KILOGRAM 02 ◯ 50KG BAG 03 ◯ 25KG BAG 04 ◯ 10KG BAG 05 ◯ GRAM 06 ◯ BUSHEL 07 ◯ NUTS / SEEDLINGS / INDIVIDUAL PLANTS	ac_311b
AC312A. What was the source of the seeds for %rostertitle%?	SINGLE-SELECT 01 ◯ SELF-PRODUCED-SEEDS 02 ◯ PURCHASED-NOT-CERTIFIED 03 ◯ PURCHASED-CERTIFIED	ac_312a
AC312B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%? F //rice @rowcode==1 && (@optioncode==-99 || (@optioncode>1 && @op tioncode<=37)) || //maize @rowcode==2 && (@optioncode==-99 || (@opt ioncode>37 && @optioncode<=42 || @optioncode==2)) || //bl And 1426 other symbols [1]	SINGLE-SELECT -99 ◯ VARIETY UNKNOWN 01 ◯ VARIETY KNOWN 02 ◯ VARIETY KNOWN BUT NOT LISTED 03 ◯ H–9 04 ◯ BG3-5 05 ◯ BG407 06 ◯ BG745 07 ◯ BG38 08 ◯ H-4 09 ◯ H–8 10 ◯ BG11–11 11 ◯ BG90–2 12 ◯ BG400–1 13 ◯ BG379–2 14 ◯ BG380 15 ◯ BG450 And 75 other symbols [9]	ac_312b
AC314A. What was the main <u>type of organic</u> <u>fertilizers</u> did the HH applied on %rostertitle%?	SINGLE-SELECT 01 ◯ NONE 02 ◯ COMPOST 03 ◯ COW DUNG 04 ◯ POULTRY MANURE 05 ◯ OTHER (SPECIFY)	ac_314a
AC314A. Specify the main types of organic fertilizers applied on %rostertitle%? E ac_314a==5	TEXT	ac_314a_oth
AC314B. How much <u>organic fertilizer</u> did the HH applied on %rostertitle%? E ac_314a!=1	NUMERIC: INTEGER	ac_314b
AC314C. Unit of measurement E ac_314a!=1	SINGLE-SELECT 01 ◯ KILOGRAM 02 ◯ 50KG BAG 03 ◯ 25KG BAG 04 ◯ 10KG BAG 05 ◯ GRAM	ac_314c

AC315A. What was the main type <u>basal dressing fertilizer</u> did the HH applied on %rostertitle%?	MULTI-SELECT ac_315a 01 ☐ NONE 02 ☐ UREA 03 ☐ TSP 04 ☐ MOP 05 ☐ EPPAWALA ROCK PHOSPHATE 06 ☐ MICRO NUTRIENTS 07 ☐ PLANT GROWTH HORMONES 08 ☐ OTHER (SPECIFY)
AC315A. Specify the main type <u>basal dressing fertilizer</u> did the HH applied on %rostertitle%? E ac_315a.Contains(8)	TEXT ac_315a_oth ··································
AC315B. How many <u>kg of basal dressing fertilizer<\u> did the HH applied on %rostertitle%?</u> E !ac_315a.ContainsOnly(1)	NUMERIC: INTEGER ac_315b _ _ _ _ _ _ _ _ _ _ _ _ _ .
AC316A. What <u>top dressing fertilizer</u> did the HH applied on %rostertitle%?	MULTI-SELECT ac_316a 01 ☐ NONE 02 ☐ UREA 03 ☐ TSP 04 ☐ MOP 05 ☐ EPPAWALA ROCK PHOSPHATE 06 ☐ MICRO NUTRIENTS 07 ☐ PLANT GROWTH HORMONES 08 ☐ OTHER (SPECIFY)
AC316A. Specify what <u>top dressing fertilizer</u> did the HH applied on %rostertitle%? E ac_316a.Contains(8)	TEXT ac_316a_oth ··································
AC316B. How many <u>kg of top dressing fertilizer</u> did the HH applied on %rostertitle%? E !ac_316a.ContainsOnly(1)	NUMERIC: INTEGER ac_316b _ _ _ _ _ _ _ _ _ _ _ _ _ .
AC317A. How many man/days of male <u>household labour</u> were used for fertilizer application on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E ac_314a!=0 || !ac_315a.ContainsOnly(1)|| !ac_316a.ContainsOnly(1)	NUMERIC: DECIMAL ac_317a _ _ _ _ _ _ _ _ _ _ _ _ _ . SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHOLD LABOUR FOR THE TASK
AC317B. How many man/days of male <u>hired labour</u> were used for fertilizer application on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E ac_314a!=0 || !ac_315a.ContainsOnly(1)|| !ac_316a.ContainsOnly(1)	NUMERIC: DECIMAL ac_317b _ _ _ _ _ _ _ _ _ _ _ _ _ . SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LABOUR FOR THE TASK
AC317A2. How many man/days of <u>female household labour</u> were used for fertilizer application on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E ac_314a!=0 || !ac_315a.ContainsOnly(1)|| !ac_316a.ContainsOnly(1)	NUMERIC: DECIMAL ac_317a2 _ _ _ _ _ _ _ _ _ _ _ _ _ . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD FEMALE LABOUR FOR THE TASK

AC317B2. How many man/days of female <u>hired labour were used for fertilizer application</u> on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E `ac_314a!=0 || !ac_315a.ContainsOnly(1)|| !ac_316a.ContainsOnly(1)`	NUMERIC: DECIMAL ac_317b2 - SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED LABOUR FOR THE TASK
AC321. What was the approach used for weeding %rostertitle%?	MULTI-SELECT ac_321 001 ☐ PREVENTIVE 002 ☐ DIRECT -999 ☐ NOT APPLICABLE
AC322. How was the method used for weeding the %rostertitle%? F `!ac_321.Contains(1) && @optioncode<4 || !ac_321.Contains(2) && @optioncode<5 || ac_321.ContainsAll(1,2) && @optioncode<5` E `!ac_321.ContainsOnly(-999)`	MULTI-SELECT ac_322 01 ☐ MANUAL 02 ☐ CHEMICAL 03 ☐ MECHANICAL 04 ☐ CULTURAL
AC323A. How many man/days of male <u>household labour were used weeding</u> of %rostertitle%? I Enumerator: Please, exclude herbicides E `!ac_322.ContainsOnly(2) && IsAnswered(ac_322)`	NUMERIC: DECIMAL ac_323a - SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHOLD LABOUR FOR THE TASK
AC323B. How many man/days of male <u>hired labour were used for</u> of %rostertitle%? I Enumerator: Please, exclude herbicides E `!ac_322.ContainsOnly(2) && IsAnswered(ac_322)`	NUMERIC: DECIMAL ac_323b - SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LABOUR FOR THE TASK
AC323A2. How many man/days of female <u>household labour were used for weeding</u> of %rostertitle%? I Enumerator: Please, exclude herbicides E `!ac_322.ContainsOnly(2) && IsAnswered(ac_322)`	NUMERIC: DECIMAL ac_323a2 - SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSEHOLD LABOUR FOR THE TASK
AC323B2. How many man/days of female <u>hired labour were used for weeding</u> of %rostertitle%? I Enumerator: Please, exclude herbicides E `!ac_322.ContainsOnly(2) && IsAnswered(ac_322)`	NUMERIC: DECIMAL ac_323b2 - SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED LABOUR FOR THE TASK
AC324. How many times was the %rostertitle% sprayed with herbicide? E `ac_322.Contains(2) && IsAnswered(ac_322)`	NUMERIC: INTEGER ac_324 - SPECIAL VALUES 00 NOT SPRAYED
AC325A. How many man/days of <u>household labour were used for the herbicide application</u> on %rostertitle%? E `ac_322.Contains(2) && IsAnswered(ac_322)`	NUMERIC: DECIMAL ac_325a - SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LABOUR FOR THE TASK

AC325B. How many man/days of <u>hired labour were used for the herbicide application</u> on %rostertitle%? E ac_322.Contains(2) && IsAnswered(ac_322)	NUMERIC: DECIMAL ac_325b - . SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
AC326. How many times was %rostertitle% sprayed with other pesticides? I Enumerator: Please, exclude herbicides	NUMERIC: INTEGER ac_326 - . SPECIAL VALUES 00 NOT SPRAYED
AC327A. How many man/days of <u>household labour</u> were used for the other pesticides application on %rostertitle%? I Enumerator: Please, exclude herbicides E ac_326!=0	NUMERIC: DECIMAL ac_327a - . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK
AC327B. How many man/days of <u>hired labour were used for the other pesticides application</u> on %rostertitle%? I Enumerator: Please, exclude herbicides E ac_326!=0	NUMERIC: DECIMAL ac_327b - . SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
AC41A. What was the <u>area planted</u> with %rostertitle%?	NUMERIC: DECIMAL ac_41a - .
AC41B. Unit of measurement E ac_41a>0	SINGLE-SELECT ac_41b 01 ◯ ACRE 02 ◯ HECTAR 03 ◯ PERCH 04 ◯ ROOD 05 ◯ AMUNU
AC42A. What was the <u>area harvested</u> with %rostertitle%?	NUMERIC: DECIMAL ac_42a - .
AC42B. Unit of measurement E ac_42a>0 W1 ((conversionfactors[(int)ac_41b].conversion)*ac_41a)>=((conversionfactors[(int)ac_42b].conversion)*ac_42a) M1 The area harvested should be smaller or equal than the area planted	SINGLE-SELECT ac_42b 01 ◯ ACRE 02 ◯ HECTAR 03 ◯ PERCH 04 ◯ ROOD 05 ◯ AMUNU
VARIABLE ((conversionfactors[(int)ac_41b].conversion)*ac_41a)>((conversionfactors[(int)ac_42b].conversion)*ac_42a)	BOOLEAN ac_43

AC44. What was the main reason for <u>not harvesting the whole area planted </u> with %rostertitle%? E `ac_43==true || ac_42a==0`	SINGLE-SELECT ac_44 01 ◯ WATER LOGGING 02 ◯ WILTING DUE TO DROUGHT 03 ◯ ANIMAL/BIRD DESTRUCTION 04 ◯ FIELD NOT WEEDED, WEEDED LATE 05 ◯ PESTS AND DISEASES 06 ◯ FIRE 07 ◯ THEFT 08 ◯ FLOODS, HEAVY RAIN 09 ◯ SOILS GENERALLY BAD 10 ◯ LACK OF FERTILIZER 11 ◯ LACK MANAGEMENT EXPERIENCE 12 ◯ RECEIVED BAD ADVICE 13 ◯ LABOUR SHORTAGES 14 ◯ FAILED GERMINATION DUE TO DROUGHT 15 ◯ FAILED GERMINATION DUE TO POOR QUALITY SEEDS 16 ◯ LOW PRODUCTIVITY DUE TO LOW QUALITY SEEDS And 5 other symbols [10]
AC44. Specify the main reason for <u>not harvesting the whole area planted</u> with %rostertitle%? E `ac_44==21`	TEXT ac_44_oth ....
AC45A. In which month %rostertitle% was planted?	SINGLE-SELECT ac_45a 01 ◯ JANUARY 02 ◯ FEBRUARY 03 ◯ MARCH 04 ◯ APRIL 05 ◯ MAY 06 ◯ JUNE 07 ◯ JULY 08 ◯ AUGUST 09 ◯ SEPTEMBER 10 ◯ OCTOBER 11 ◯ NOVEMBER 12 ◯ DECEMBER
AC45B. In which week %rostertitle% was planted?	SINGLE-SELECT ac_45b 01 ◯ 1ST WEEK 02 ◯ 2ND WEEK 03 ◯ 3RD WEEK 04 ◯ 4TH WEEK
AC46. Did the household replant any part of the field with %rostertitle%?	SINGLE-SELECT ac_46 01 ◯ YES 02 ◯ NO
AC47A. How much %rostertitle% did the Household harvest?	NUMERIC: DECIMAL ac_47a --------------------------------------

AC47B. Unit of measurement E `ac_47a>0`	SINGLE-SELECT ac_47b 01 ◯ KILOGRAM 02 ◯ 64KG BAG 03 ◯ 50KG BAG 04 ◯ 25KG BAG 05 ◯ 10KG BAG 06 ◯ GRAM 07 ◯ KILOGRAM UNSHELLED 08 ◯ 64KG BAG UNSHELLED 09 ◯ 50KG BAG UNSHELLED 10 ◯ 25KG BAG UNSHELLED 11 ◯ 10 KG BAG UNSHELLED 12 ◯ INDIVIDUAL PLANT 13 ◯ COB/ NUT 14 ◯ BUSHEL
AC48A. Which source of power was used for harvesting and threshing %rostertitle%? E `ac_42a>0`	MULTI-SELECT ac_48a 01 ☐ MANUAL 02 ☐ BUFFALOES 03 ☐ TWO WHEELS TRACTOR 04 ☐ FOUR WHEELS TRACTOR 05 ☐ TSUNAMI 06 ☐ BHUTHAYA 07 ☐ BAHU BHUTHAYA
AC48B. What was the cost of the machinery used for harvesting and treshing %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E `ac_48a.ContainsAny(3,4,5,6,7)`	NUMERIC: INTEGER ac_48b - SPECIAL VALUES -99 DO NOT KNOW
AC48C. What was the total cost (machinery+labour) for harvesting and treshing %rostertitle%? I (Rupees) E `ac_48b==-99`	NUMERIC: INTEGER ac_48c - SPECIAL VALUES -99 DO NOT KNOW
AC49A. How many man/days of male <u>household labour</u> were used for harvesting and threshing %rostertitle%? E `ac_47a>0`	NUMERIC: DECIMAL ac_49a - SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHOLD LABOUR FOR THE TASK
AC49B. How many man/days of male <u>hired labour</u> were used for harvesting and threshing %rostertitle%? E `ac_47a>0`	NUMERIC: DECIMAL ac_49b - SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LABOUR FOR THE TASK
AC49A2. How many man/days of female <u>household labour</u> were used for harvesting and threshing %rostertitle%? E `ac_47a>0`	NUMERIC: DECIMAL ac_49a2 - SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSEHOLD LABOUR FOR THE TASK

AC49B2. How many man/days of female <u>hired labour</u> were used for harvesting and threshing %rostertitle%?	NUMERIC: DECIMAL	ac_49b2
E ac_47a>0	SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED LABOUR FOR THE TASK	

Did you or anyone in your household <u>cultivate</u> any upland during the 2017/2018 Maha season?	SINGLE-SELECT	ca_upfilter
E count_uplands>0	01 ◯ YES 02 ◯ NO	

Which uplands did the household cultivate during the 2017/2018 Maha season?	MULTI-SELECT: LINKED	acu_filter
F c_02==2 E ca_upfilter==1		

C.A: MAHA SEASON [FROM C.A.1 TO C.A.4]
C.A.3: UPLAND PREPARATION AND WATER MANAGEMENT MAHA SEASON
E ca_upfilter==1

STATIC TEXT

<u>Enumerator:</u> Please ask about all the upland fields cultivated during the 2017/2018 Maha season
Include all cropped fields in <u>UPLANDS</u> and exclude lowlands, home garden, fallow fields, and virgin land

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C.A: MAHA SEASON [FROM C.A.1 TO C.A.4] / C.A.3: UPLAND PREPARATION AND WATER MANAGEMENT MAHA SEASON
Roster: UPLAND MAHA ROSTER
generated by list question c_01

aufield_roster

E ca_upfilter==1 && c_02==2 && acu_filter.Select(x=>x[0]).Contains(@rowcode)

AC50. What is the <u>main crop</u> cultivated on %rostertitle%?	SINGLE-SELECT	ac_50
	01 ◯ RICE 02 ◯ MAIZE 03 ◯ BLACK GRAM 04 ◯ GROUNDNUT 05 ◯ SOYA BEAN 06 ◯ COWPEA 07 ◯ GREEN GRAM 08 ◯ GINGERLY 09 ◯ FINGER MILLET 10 ◯ CHILIES 11 ◯ LUFFA 12 ◯ LADIES FINGERS 13 ◯ BRINJAL 14 ◯ BITTER GOURD 15 ◯ TOMATO 16 ◯ PUMPKIN And 2 other symbols [7]	

AC50.Specify what is the main crop cultivated on %rostertitle%	TEXT	ac_50_oth
E ac_50==18		

AC51. What was the <u>main land preparation method</u> used on %rostertitle%?	SINGLE-SELECT ac_51 01 ⦿ CONVENTIONAL HAND-HOEING 02 ⦿ PLANTING BASINS (potholes) 03 ⦿ ZERO TILLAGE 04 ⦿ PLOUGHING 05 ⦿ RIDGING (BEFORE PLANTING) 06 ⦿ BUNDING 07 ⦿ MOUNDING
AC52A. What was the <u>source of power used for the 1st land preparation</u> of %rostertitle%? E ac_51!=3	MULTI-SELECT: ORDERED ac_52a 001 ☐ MANUAL 002 ☐ BUFFALOES 003 ☐ TWO WHEELS TRACTOR 004 ☐ FOUR WHEELS TRACTOR -999 ☐ NOT APPLICABLE
AC52B. What type of plough machinery did the household use for 1st land preparation of %rostertitle%? E ac_52a.ContainsAny(3,4)	MULTI-SELECT ac_52b 01 ☐ ROTAVATOR 02 ☐ DISC PLOUGH 03 ☐ MOULD BOARD 04 ☐ HARROW 05 ☐ CHISEL PLOUGH 06 ☐ OTHER (SPECIFY)
AC52B. Specify what type of plough machinery did the household use for 1st land preparation of %rostertitle%? E ac_52b.Contains(6)	TEXT ac_52b_oth ....
AC52C. Where did the household get the <u>source of power used for the 1st land preparation</u> of the %rostertitle%? E ac_52a.ContainsAny(2,3,4)	MULTI-SELECT: ORDERED ac_52c 01 ☐ SELF OWNED 02 ☐ BORROW FROM NEIGHBOR 03 ☐ RENT OUT FROM SERVICE PROVIDER 04 ☐ RENT OUT FROM FARMER ORGANIZATION 05 ☐ RENT OUT FROM ASC 06 ☐ OTHER (SPECIFY)
AC52C. Specify where did the household get the <u>source of power used for the 1st land preparation</u> of %rostertitle%? E ac_52c.Contains(6)	TEXT ac_52c_oth ....
AC52D. What was the cost of the machinery used for the 1st land preparation of the %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E ac_52a.ContainsAny(3,4)	NUMERIC: INTEGER ac_52d - . SPECIAL VALUES -99 DO NOT KNOW
AC52E. How many <u>man/days of household labour</u> were used for the 1st <u>land preparation</u> of %rostertitle%? I Enumerator: Please include canal clearing and bund preparation in the labour requirement for first land preparation E ac_51!=3 && !ac_52a.Contains(-999)	NUMERIC: DECIMAL ac_52e - . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LABOUR FOR THE TASK

AC52F. How many <u>man/days of hired labour were used for the 1st land preparation</u> of %rostertitle%? I Enumerator: Please include canal clearing and bund preparation in the labour requirement for first land preparation E `ac_51!=3 && !ac_52a.Contains(-999)`	NUMERIC: DECIMAL ac_52f ------------------------------------- SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR FOR THE TASK
AC52G. What was <u>the daily cost per person of the hired labour for 1st preparation</u> of %rostertitle%? I (Rupees per day) E `ac_52f>0`	NUMERIC: INTEGER ac_52g -------------------------------------
AC52H. What was the total cost for the 1st land preparation of the %rostertitle%? I (Rupees) E `ac_52d==-99 && ac_52g==-99`	NUMERIC: INTEGER ac_52h -------------------------------------
AC53A. What was the <u>source of power used for the 2nd land preparation</u> of %rostertitle%? E `ac_51!=3 && !ac_52a.Contains(-999)`	SINGLE-SELECT ac_53a 001 ◯ MANUAL 002 ◯ BUFFALOES 003 ◯ TWO WHEELS TRACTOR 004 ◯ FOUR WHEEL TRACTOR -999 ◯ NOT APPLICABLE
AC53B. What type of plough machinery did the household use for 2nd land preparation of %rostertitle%? E `ac_51!=3 && ac_53a>2 && ac_53a!=5`	MULTI-SELECT ac_53b 01 ☐ ROTAVATOR 02 ☐ DISC PLOUGH 03 ☐ MOULD BOARD 04 ☐ HARROW 05 ☐ CHISEL PLOUGH 06 ☐ OTHER (SPECIFY)
AC53B. Specify what type of plough machinery did the household use for 2nd land preparation of %rostertitle%? E `ac_53b.Contains(6)`	TEXT ac_53b_oth ....
AC53C. Where did the household get the <u>source of power used for the 2nd land preparation</u> of %rostertitle%? E `ac_51!=3 && ac_53a>1 && ac_53a!=5`	SINGLE-SELECT ac_53c 01 ◯ SELF OWNED 02 ◯ BORROW FROM NEIGHBOR 03 ◯ RENT OUT FROM SERVICE PROVIDER 04 ◯ RENT OUT FROM FARMER ORGANIZATION 05 ◯ RENT OUT FROM ASC 06 ◯ OTHER (SPECIFY)
AC53C. Specify what was the <u>source of the machinery used for the 2nd land preparation</u> of %rostertitle%? E `ac_53c==6`	TEXT ac_53c_oth ....
AC53D. What was the cost of the machinery used for the 2nd land preparation of the %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E `ac_51!=3 && ac_53a>2 && ac_53a!=-999`	NUMERIC: INTEGER ac_53d ------------------------------------- SPECIAL VALUES -99 DO NOT KNOW

AC53E. How many man/days of household labour were used for the 2nd land preparation of %rostertitle%? E ac_51!=3 && ac_53a!=-999 && !ac_52a.Contains(-999)	NUMERIC: DECIMAL ac_53e - . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK
AC53F. How many man/days of hired labour were used for the 2nd land preparation of %rostertitle%? E ac_51!=3 && ac_53a!=-999 && !ac_52a.Contains(-999)	NUMERIC: DECIMAL ac_53f - . SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
AC53G. What was the daily cost per person of the hired labour for 2nd preparation of %rostertitle%? I (Rupees per day) E ac_53f>0	NUMERIC: INTEGER ac_53g - . SPECIAL VALUES -99 DO NOT KNOW
AC53H. What was the total cost for the 2nd land preparation of the %rostertitle%? I (Rupees) E ac_53d==-99 && ac_53g==-99	NUMERIC: INTEGER ac_53h - .
AC54A. What was the source of power used for levelling of %rostertitle%? E ac_51!=3	SINGLE-SELECT ac_54a 001 ◯ MANUAL 002 ◯ BUFFALOES 003 ◯ TWO WHEELS TRACTOR 004 ◯ FOUR WHEEL TRACTOR -999 ◯ NOT APPLICABLE

AC54C. Where did the household get the source of the machinery used for levelling %rostertitle%?
 	
E ac_51!=3 && ac_54a>1 && ac_54a!=5
	SINGLE-SELECT ac_54c
	01 ◯ SELF OWNED
	02 ◯ BORROW FROM NEIGHBOR
	03 ◯ RENT OUT FROM SERVICE
	       PROVIDER
	04 ◯ RENT OUT FROM FARMER
	       ORGANIZATION
	05 ◯ RENT OUT FROM ASC
	06 ◯ OTHER (SPECIFY)

AC54C. Specify what was the source of the machinery used for the levelling %rostertitle%? E ac_54c==6	TEXT ac_54c_oth ....
AC54D. What was the cost of the machinery used for levelling %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E ac_51!=3 && ac_54a>1 && ac_54a!=-999	NUMERIC: INTEGER ac_54d - . SPECIAL VALUES -99 DO NOT KNOW
AC54E. How many man/days of household labour were used for the levelling of %rostertitle%? E ac_51!=3 && ac_54a!=-999	NUMERIC: DECIMAL ac_54e - . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK

AC54F. How many <u>man/days of hired labour were used for the levelling</u> of %rostertitle%? E `ac_51!=3 && ac_54a!=-999`	NUMERIC: DECIMAL ac_54f ------------------------------ SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
AC54G. What was <u>the daily cost per person of the hired labour for levelling</u> of %rostertitle%? I (Rupees per day) E `ac_54f>0`	NUMERIC: INTEGER ac_54g ------------------------------ SPECIAL VALUES -99 DO NOT KNOW
AC54H. What was the total cost for the levelling %rostertitle%? I (Rupees) E `ac_54d==-99 && ac_54g==-99`	NUMERIC: INTEGER ac_54h ------------------------------

AC55A. What was the <u>crop establishment method practiced on %rostertitle%</u>?	SINGLE-SELECT ac_55a
	
	01 ◯ BROADCASTING
	02 ◯ MANUAL TRANSPLANTING
	03 ◯ MECHANICAL
	       TRANSPLANTING
	04 ◯ PARACHUTING
	05 ◯ MANUAL DIRECT SEEDING
	06 ◯ MECHANICAL DIRECT
	       SEEDING

AC55E. How many <u>man/days of male household labour were used for the crop establishment</u> of %rostertitle%?	NUMERIC: DECIMAL ac_55e ------------------------------ SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHO LD LABOUR FOR THE TASK
AC55F. How many <u>man/days of male hired labour were used for the crop establishment</u> of the %rostertitle%?	NUMERIC: DECIMAL ac_55f ------------------------------ SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LAB OUR FOR THE TASK
AC55G. What was <u>the daily cost per male person of the hired labour for te crop establishment</u> of %rostertitle%? I (Rupees per day) E `ac_55f>0`	NUMERIC: INTEGER ac_55g ------------------------------
AC55E2. How many <u>man/days of female household labour were used for the crop establishment</u> of %rostertitle%?	NUMERIC: DECIMAL ac_55e2 ------------------------------ SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSE HOLD LABOUR FOR THE TASK

AC55F2. How many man/days of female hired labour were used for the crop establishment of the %rostertitle%?	NUMERIC: DECIMAL ac_55f2 `- - - - - - - - - - - - - - - - - - - - - - - - - .` SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED LABOUR FOR THE TASK
AC55G2. What was the daily cost per female person of the hired labour for te crop establishment of %rostertitle%? I (Rupees per day) E ac_55f2>0	NUMERIC: INTEGER ac_55g2 `- - - - - - - - - - - - - - - - - - - - - - - - - .`
AC56A. How many lime did the HH applied on %rostertitle%?	NUMERIC: INTEGER ac_56a `- - - - - - - - - - - - - - - - - - - - - - - - - .` SPECIAL VALUES 00 NONE
AC56B. Unit of measurement E ac_56a>0	SINGLE-SELECT ac_56b 01 ◯ KILOGRAM 02 ◯ 50KG BAG 03 ◯ 25KG BAG 04 ◯ 10KG BAG 05 ◯ GRAM
AC520. What was the main source of water used for %rostertitle%?	SINGLE-SELECT ac_520 01 ◯ CANAL IRRIGATION 02 ◯ GROUNDWATER 03 ◯ DRAINAGE WATER 04 ◯ AGROWELLS 05 ◯ RAINFED
AC521. What was the irrigation method used on %rostertitle%? E ac_520<5	SINGLE-SELECT ac_521 01 ◯ FLOOD IRRIGATION 02 ◯ FURROW IRRIGATION 03 ◯ SPRINKLER IRRIGATION 04 ◯ DRIP IRRIGATION 05 ◯ SURFACE IRRIGATION 06 ◯ OTHER (SPECIFY)
AC521. Specify what was the irrigation method used on %rostertitle%? E ac_521==6	TEXT ac_521_oth `................................................`
AC522. What was the share of %rostertitle%'s area under irrigation? E ac_520<5	SINGLE-SELECT ac_522 01 ◯ FULL EXTENT 02 ◯ HALF OF THE EXTENT 03 ◯ A QUARTER OF AN EXTENT 04 ◯ THREE QUARTERS 05 ◯ ONE THIRD 06 ◯ TWO THIRDS

AC526. What are the water saving practices applied to %rostertitle%? E ac_520<5	SINGLE-SELECT ac_526 01 ◯ NONE 02 ◯ KEKULAMA 03 ◯ SOIL AND WATER CONSERVATION BUNDS 04 ◯ MULCHING 05 ◯ TERRACING 06 ◯ CONTOUR PLANTING 07 ◯ ORGANIC MATTER AMENDMENTS
AC527. Was the water available on %rostertitle% sufficient for the crop growth?	SINGLE-SELECT ac_527 01 ◯ YES 02 ◯ NO

C.A: MAHA SEASON [FROM C.A.1 TO C.A.4]
C.A.4: UPLANDS INPUT USE PLANTING AND HARVESTING MAHA SEASON

E ca_upfilter==1

C.A: MAHA SEASON [FROM C.A.1 TO C.A.4] / C.A.4: UPLANDS INPUT USE PLANTING AND HARVESTING MAHA SEASON
Roster: UPLANDS MAHA ROSTER
generated by list question c_01   aufield_roster2

E ca_upfilter==1 && c_02==2 && acu_filter.Select(x=>x[0]).Contains(@rowcode)

AC610.Please list all crop planted on %rostertitle% during the reference period	MULTI-SELECT ac_610 01 ☐ RICE 02 ☐ MAIZE 03 ☐ BLACK GRAM 04 ☐ GROUNDNUT 05 ☐ SOYA BEAN 06 ☐ COWPEA 07 ☐ GREEN GRAM 08 ☐ GINGERLY 09 ☐ FINGER MILLET 10 ☐ CHILIES 11 ☐ LUFFA 12 ☐ LADIES FINGERS 13 ☐ BRINJAL 14 ☐ BITTER GOURD 15 ☐ TOMATO 16 ☐ PUMPKIN And 2 other symbols [8]
AC610. Specify what crop was planted on %rostertitle% during the reference period? E ac_610.Contains(18)	TEXT ac_610_oth ....

C.A: MAHA SEASON [FROM C.A.1 TO C.A.4] / C.A.4: UPLANDS INPUT USE PLANTING AND HARVESTING MAHA SEASON / UPLANDS MAHA ROSTER
Roster: CROP UPLANDS MAHA ROSTER
generated by multi-select question ac_610   aucrop_roster

AC611A. What quantity of seed, tubers, or vines did the HH plant for the first planting of %rostertitle%	NUMERIC: INTEGER ac_611a - .

AC611B. Unit of measurement E ac_611a>0	SINGLE-SELECT ac_611b 01 ◯ KILOGRAM 02 ◯ 50KG BAG 03 ◯ 25KG BAG 04 ◯ 10KG BAG 05 ◯ GRAM 06 ◯ BUSHEL 07 ◯ NUTS / SEEDLINGS / INDIVIDUAL PLANTS
AC612A. What was the source of the seeds for %rostertitle%?	SINGLE-SELECT ac_612a 01 ◯ SELF-PRODUCED-SEEDS 02 ◯ PURCHASED-NOT-CERTIFIED 03 ◯ PURCHASED-CERTIFIED
AC612B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%? F //rice @rowcode==1 && (@optioncode==-99 || (@optioncode>1 && @optioncode<=37)) || //maize @rowcode==2 && (@optioncode==-99 || (@optioncode>37 && @optioncode<=42 || @optioncode==2)) || //bl And 1426 other symbols [2]	SINGLE-SELECT ac_612b -99 ◯ VARIETY UNKNOWN 01 ◯ VARIETY KNOWN 02 ◯ VARIETY KNOWN BUT NOT LISTED 03 ◯ H–9 04 ◯ BG3-5 05 ◯ BG407 06 ◯ BG745 07 ◯ BG38 08 ◯ H-4 09 ◯ H–8 10 ◯ BG11–11 11 ◯ BG90–2 12 ◯ BG400–1 13 ◯ BG379–2 14 ◯ BG380 15 ◯ BG450 And 75 other symbols [11]
AC614A. What was the main <u>type of organic fertilizers</u> did the HH applied on %rostertitle%?	SINGLE-SELECT ac_614a 01 ◯ NONE 02 ◯ COMPOST 03 ◯ COW DUNG 04 ◯ POULTRY MANURE 05 ◯ OTHER (SPECIFY)
AC614A. Specify the main types of organic fertilizers applied on %rostertitle%? E ac_614a==5	TEXT ac_614a_oth ....
AC614B. How much <u>organic fertilizer</u> did the HH applied on %rostertitle%? E ac_614a!=1	NUMERIC: INTEGER ac_614b – – – – – – – – – – – – – – – – – – –
AC614C. Unit of measurement E ac_614a!=1	SINGLE-SELECT ac_614c 01 ◯ KILOGRAM 02 ◯ 50KG BAG 03 ◯ 25KG BAG 04 ◯ 10KG BAG 05 ◯ GRAM

AC615A. What was the main type <u>basal dressing fertilizer</u> did the HH applied on %rostertitle%?	MULTI-SELECT ac_615a 01 ☐ NONE 02 ☐ UREA 03 ☐ TSP 04 ☐ MOP 05 ☐ EPPAWALA ROCK PHOSPHATE 06 ☐ MICRO NUTRIENTS 07 ☐ PLANT GROWTH HORMONES 08 ☐ OTHER (SPECIFY)
AC615A. Specify the main type <u>basal dressing fertilizer</u> did the HH applied on %rostertitle%? E ac_615a.Contains(8)	TEXT ac_615a_oth ....
AC615B. How many <u>kg of basal dressing fertilizer<\u> did the HH applied on %rostertitle%? E !ac_615a.Contains(1)	NUMERIC: INTEGER ac_615b - .
AC616A. What <u>top dressing fertilizer</u> did the HH applied on %rostertitle%?	MULTI-SELECT ac_616a 01 ☐ NONE 02 ☐ UREA 03 ☐ TSP 04 ☐ MOP 05 ☐ EPPAWALA ROCK PHOSPHATE 06 ☐ MICRO NUTRIENTS 07 ☐ PLANT GROWTH HORMONES 08 ☐ OTHER (SPECIFY)
AC616A. Specify what <u>top dressing fertilizer</u> did the HH applied on %rostertitle%? E ac_616a.Contains(8)	TEXT ac_616a_oth ....
AC616B. How many <u>kg of top dressing fertilizer</u> did the HH applied on %rostertitle%? E !ac_616a.Contains(1)	NUMERIC: INTEGER ac_616b - .
AC617A. How many man/days of male <u>household labour</u> were used for fertilizer application on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E ac_614a!=0 || !ac_615a.Contains(1)|| !ac_616a.Contains(1)	NUMERIC: DECIMAL ac_617a - . SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHO LD LABOUR FOR THE TASK
AC617B. How many man/days of male <u>hired labour</u> were used for fertilizer application on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E ac_614a!=0 || !ac_615a.Contains(1)|| !ac_616a.Contains(1)	NUMERIC: DECIMAL ac_617b - . SPECIAL VALUES 00 HH DID NOT USE MALE HIREDLAB OUR FOR THE TASK
AC617A2. How many man/days of <u>female household labour</u> were used for fertilizer application on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E ac_614a!=0 || !ac_615a.Contains(1)|| !ac_616a.Contains(1)	NUMERIC: DECIMAL ac_617a2 - . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD FE MALE LABOUR FOR THE TASK

AC617B2. How many man/days of female <u>hired labour were used for fertilizer application</u> on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E `ac_614a!=0 || !ac_615a.Contains(1)|| !ac_616a.Contains(1)`	NUMERIC: DECIMAL　　　　　　　　　　　　ac_617b2 - SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED LABOUR FOR THE TASK
AC621. What was the approach used for weeding %rostertitle%?	MULTI-SELECT　　　　　　　　　　　　　　ac_621 001 ☐ PREVENTIVE 002 ☐ DIRECT -999 ☐ NOT APPLICABLE
AC622. How was the method used for weeding the %rostertitle%? F `!ac_621.Contains(1) && @optioncode<4 || !ac_621.Contains(2) && @optioncode<5 || ac_621.ContainsAll(1,2) && @optioncode<5` E `!ac_621.ContainsOnly(-999)`	MULTI-SELECT　　　　　　　　　　　　　　ac_622 01 ☐ MANUAL 02 ☐ CHEMICAL 03 ☐ MECHANICAL 04 ☐ CULTURAL
AC623A. How many man/days of male <u>household labour were used weeding</u> of %rostertitle%? I Enumerator: Please, exclude herbicides E `!ac_622.ContainsOnly(2) && IsAnswered(ac_622)`	NUMERIC: DECIMAL　　　　　　　　　　　　ac_623a - SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHOLD LABOUR FOR THE TASK
AC623B. How many man/days of male <u>hired labour were used for</u> of %rostertitle%? I Enumerator: Please, exclude herbicides E `!ac_622.ContainsOnly(2) && IsAnswered(ac_622)`	NUMERIC: DECIMAL　　　　　　　　　　　　ac_623b - SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LABOUR FOR THE TASK
AC623A2. How many man/days of female <u>household labour were used for weeding</u> of %rostertitle%? I Enumerator: Please, exclude herbicides E `!ac_622.ContainsOnly(2) && IsAnswered(ac_622)`	NUMERIC: DECIMAL　　　　　　　　　　　　ac_623a2 - SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSEHOLD LABOUR FOR THE TASK
AC623B2. How many man/days of female <u>hired labour were used for weeding</u> of %rostertitle%? I Enumerator: Please, exclude herbicides E `!ac_622.ContainsOnly(2) && IsAnswered(ac_622)`	NUMERIC: DECIMAL　　　　　　　　　　　　ac_623b2 - SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED LABOUR FOR THE TASK
AC624. How many times was the %rostertitle% sprayed with herbicide? E `ac_622.Contains(2) && IsAnswered(ac_622)`	NUMERIC: INTEGER　　　　　　　　　　　　ac_624 - SPECIAL VALUES 00 NOT SPRAYED
AC625A. How many man/days of <u>household labour were used for the herbicide application</u> on %rostertitle%? E `ac_622.Contains(2) && IsAnswered(ac_622)`	NUMERIC: DECIMAL　　　　　　　　　　　　ac_625a - SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LABOUR FOR THE TASK

AC625B. How many man/days of <u>hired labour were used for the herbicide application</u> on %rostertitle%? E ac_622.Contains(2) && IsAnswered(ac_622)	NUMERIC: DECIMAL ac_625b - . SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
AC626. How many times was %rostertitle% sprayed with other pesticides (excluding herbicides)?	NUMERIC: INTEGER ac_626 - . SPECIAL VALUES 00 NOT SPRAYED
AC627A. How many man/days of <u>household labour were used for the other pesticides application</u> on %rostertitle%? I Enumerator: Please, exclude herbicides E ac_626!=0	NUMERIC: DECIMAL ac_627a - . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK
AC627B. How many man/days of <u>hired labour used for the other pesticides (excluding herbicides) application</u> on %rostertitle%? I Enumerator: Please, exclude herbicides E ac_626!=0	NUMERIC: DECIMAL ac_627b - . SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
AC71A. What was the <u>area planted</u> with %rostertitle%?	NUMERIC: DECIMAL ac_71a - .
AC71B. Unit of measurement E ac_71a>0	SINGLE-SELECT ac_71b 01 ⭘ ACRE 02 ⭘ HECTAR 03 ⭘ PERCH 04 ⭘ ROOD 05 ⭘ AMUNU
AC72A. What was the <u>area harvested</u> with %rostertitle%?	NUMERIC: DECIMAL ac_72a - .
AC72B. Unit of measurement E ac_72a>0 W1 ((conversionfactors[(int)ac_71b].conversion)*ac_71a)>=((conversionfactors[(int)ac_72b].conversion)*ac_72a) M1 The area harvested should be smaller or equal than the area planted	SINGLE-SELECT ac_72b 01 ⭘ ACRE 02 ⭘ HECTAR 03 ⭘ PERCH 04 ⭘ ROOD 05 ⭘ AMUNU
VARIABLE ((conversionfactors[(int)ac_71b].conversion)*ac_71a)>((conversionfactors[(int)ac_72b].conversion)*ac_72a)	BOOLEAN ac_73

AC74. What was the main reason for <u>not harvesting the whole area planted</u> with %rostertitle%? E ac_73==true || ac_72a==0	SINGLE-SELECT ac_74 01 ○ WATER LOGGING 02 ○ WILTING DUE TO DROUGHT 03 ○ ANIMAL/BIRD DESTRUCTION 04 ○ FIELD NOT WEEDED, WEEDED LATE 05 ○ PESTS AND DISEASES 06 ○ FIRE 07 ○ THEFT 08 ○ FLOODS, HEAVY RAIN 09 ○ SOILS GENERALLY BAD 10 ○ LACK OF FERTILIZER 11 ○ LACK MANAGEMENT EXPERIENCE 12 ○ RECEIVED BAD ADVICE 13 ○ LABOUR SHORTAGES 14 ○ FAILED GERMINATION DUE TO DROUGHT 15 ○ FAILED GERMINATION DUE TO POOR QUALITY SEEDS 16 ○ LOW PRODUCTIVITY DUE TO LOW QUALITY SEEDS And 5 other symbols [12]
AC74. Specify the main reason for <u>not harvesting the whole area planted</u> with %rostertitle%? E ac_74==21	TEXT ac_74_oth ....
AC75A. In which month %rostertitle% was planted?	SINGLE-SELECT ac_75a 01 ○ JANUARY 02 ○ FEBRUARY 03 ○ MARCH 04 ○ APRIL 05 ○ MAY 06 ○ JUNE 07 ○ JULY 08 ○ AUGUST 09 ○ SEPTEMBER 10 ○ OCTOBER 11 ○ NOVEMBER 12 ○ DECEMBER
AC75B. In which week %rostertitle% was planted?	SINGLE-SELECT ac_75b 01 ○ 1ST WEEK 02 ○ 2ND WEEK 03 ○ 3RD WEEK 04 ○ 4TH WEEK
AC76. Did the household replant any part of the field with %rostertitle%?	SINGLE-SELECT ac_76 01 ○ YES 02 ○ NO
AC77A. How much %rostertitle% did the Household harvest?	NUMERIC: DECIMAL ac_77a --

AC77B. Unit of measurement E ac_77a>0	SINGLE-SELECT ac_77b 01 ◯ KILOGRAM 02 ◯ 64KG BAG 03 ◯ 50KG BAG 04 ◯ 25KG BAG 05 ◯ 10KG BAG 06 ◯ GRAM 07 ◯ KILOGRAM UNSHELLED 08 ◯ 64KG BAG UNSHELLED 09 ◯ 50KG BAG UNSHELLED 10 ◯ 25KG BAG UNSHELLED 11 ◯ 10 KG BAG UNSHELLED 12 ◯ INDIVIDUAL PLANT 13 ◯ COB/ NUT 14 ◯ BUSHEL
AC78A. Which source of power was used for harvesting and threshing %rostertitle%? E ac_72a>0	MULTI-SELECT ac_78a 01 ☐ MANUAL 02 ☐ BUFFALOES 03 ☐ TWO WHEELS TRACTOR 04 ☐ FOUR WHEELS TRACTOR 05 ☐ TSUNAMI 06 ☐ BHUTHAYA 07 ☐ BAHU BHUTHAYA
AC78B. What was the cost of the machinery used for harvesting and treshing %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E ac_78a.ContainsAny(3, 4, 5, 6, 7)	NUMERIC: INTEGER ac_78b ------------------------------------ SPECIAL VALUES -99 DO NOT KNOW
AC78C. What was the total cost (machinery+labour) for harvesting and treshing %rostertitle%? I (Rupees) E ac_78b==-99	NUMERIC: INTEGER ac_78c ------------------------------------ SPECIAL VALUES -99 DO NOT KNOW
AC79A. How many man/days of male <u>household labour</u> were used for harvesting and threshing %rostertitle%? E ac_77a>0	NUMERIC: DECIMAL ac_79a ------------------------------------ SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHOLD LABOUR FOR THE TASK
AC79B. How many man/days of male <u>hired labour</u> were used for harvesting and threshing %rostertitle%? E ac_77a>0	NUMERIC: DECIMAL ac_79b ------------------------------------ SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LABOUR FOR THE TASK
AC79A2. How many man/days of female <u>household labour</u> were used for harvesting and threshing %rostertitle%? E ac_77a>0	NUMERIC: DECIMAL ac_79a2 ------------------------------------ SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSEHOLD LABOUR FOR THE TASK

AC79B2. How many man/days of female <u>hired labour</u> were used for harvesting and threshing %rostertitle%?	NUMERIC: DECIMAL ac_79b2
E ac_77a>0	- .
	SPECIAL VALUES
	00 HH DID NOT USE FEMALE HIRED LABOUR FOR THE TASK

C.B: INTERMEDIATE SEASON [FROM C.B.1 TO C.B.4]

E count_lowlands>0 || count_uplands>0

Did you or anyone in your household <u>cultivate</u> any lowland during the 2018 Intermediate season?	SINGLE-SELECT cb_lowfilter
E count_lowlands>0	01 ◯ YES 02 ◯ NO
Which lowlands did the household cultivate during the 2018 Intermediate season?	MULTI-SELECT: LINKED bcl_filter
F c_02==1 E cb_lowfilter==1	

C.B: INTERMEDIATE SEASON [FROM C.B.1 TO C.B.4]
C.B.1: LOWLAND PREPARATION AND WATER MANAGEMENT INTERMEDIATE SEASON

E cb_lowfilter==1

STATIC TEXT

<u>Enumerator:</u> Please ask about all the lowland fields cultivated during the 2018 Intermediate season
Include all cropped fields in <u>LOWLANDS</u> and exclude uplands, home garden, fallowfields, and virgin land

C.B: INTERMEDIATE SEASON [FROM C.B.1 TO C.B.4] / C.B.1: LOWLAND PREPARATION AND WATER MANAGEMENT INTERMEDIATE SEASON
Roster: LOWLANDS INTERMEDIATE ROSTER
generated by list question c_01   blfield_roster

E cb_lowfilter==1 && c_02==1 && bcl_filter.Select(x=>x[0]).Contains(@rowcode)

BC20. What is the <u>main crop</u> cultivated on %rostertitle%?	SINGLE-SELECT bc_20
	01 ◯ RICE
	02 ◯ MAIZE
	03 ◯ BLACK GRAM
	04 ◯ GROUNDNUT
	05 ◯ SOYA BEAN
	06 ◯ COWPEA
	07 ◯ GREEN GRAM
	08 ◯ GINGERLY
	09 ◯ FINGER MILLET
	10 ◯ CHILIES
	11 ◯ LUFFA
	12 ◯ LADIES FINGERS
	13 ◯ BRINJAL
	14 ◯ BITTER GOURD
	15 ◯ TOMATO
	16 ◯ PUMPKIN
	And 2 other symbols [13]

BC20. Specify what is the main crop cultivated on %rostertitle% E bc_20==18	TEXT bc_20_oth ....
BC21. What was the <u>main land preparation method</u> used on %rostertitle%?	SINGLE-SELECT bc_21 01 ◯ CONVENTIONAL HAND-HOEING 02 ◯ PLANTING BASINS (potholes) 03 ◯ ZERO TILLAGE 04 ◯ PLOUGHING 05 ◯ RIDGING (BEFORE PLANTING) 06 ◯ BUNDING 07 ◯ MOUNDING
BC22A. What was the <u>source of power used for the 1st land preparation</u> of %rostertitle%? E bc_21!=3	SINGLE-SELECT bc_22a 001 ◯ MANUAL 002 ◯ BUFFALOES 003 ◯ TWO WHEELS TRACTOR 004 ◯ FOUR WHEELS TRACTOR -999 ◯ NOT APPLICABLE
BC22B. What type of plough machinery did the household use for 1st land preparation of %rostertitle%? E bc_22a>2	MULTI-SELECT bc_22b 01 ☐ ROTAVATOR 02 ☐ DISC PLOUGH 03 ☐ MOULD BOARD 04 ☐ HARROW 05 ☐ CHISEL PLOUGH 06 ☐ OTHER (SPECIFY)
BC22B. Specify what type of plough machinery did the household use for 1st land preparation of %rostertitle%? E bc_22b.Contains(6)	TEXT bc_22b_oth ....
BC22C. Where did the household get the <u>source of power used for the 1st land preparation</u> of the %rostertitle%? E bc_22a>1	SINGLE-SELECT bc_22c 01 ◯ SELF OWNED 02 ◯ BORROW FROM NEIGHBOR 03 ◯ RENT OUT FROM SERVICE PROVIDER 04 ◯ RENT OUT FROM FARMER ORGANIZATION 05 ◯ RENT OUT FROM ASC 06 ◯ OTHER (SPECIFY)
BC22C. Specify where did the household get the <u>source of power used for the 1st land preparation</u> of %rostertitle%? E bc_22c==6	TEXT bc_22c_oth ....
BC22D. What was the cost of the machinery used for the 1st land preparation of the %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E bc_22a>2	NUMERIC: INTEGER bc_22d -------------------------------- SPECIAL VALUES -99 DO NOT KNOW

BC22E. How many man/days of household labour were used for the 1st land preparation of %rostertitle%? I Enumerator: Please include canal clearing and bund preparation in the labour requirement for first land preparation E bc_21!=3 && bc_22a!=-999	NUMERIC: DECIMAL bc_22e - . - SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK
BC22F. How many man/days of hired labour were used for the 1st land preparation of %rostertitle%? I Enumerator: Please include canal clearing and bund preparation in the labour requirement for first land preparation E bc_21!=3 && bc_22a!=-999	NUMERIC: DECIMAL bc_22f - SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
BC22G. What was the daily cost per person of the hired labour for 1st preparation of %rostertitle%? I (Rupees per day) E bc_22f>0	NUMERIC: INTEGER bc_22g - SPECIAL VALUES -99 DO NOT KNOW
BC22H. What was the total cost for the 1st land preparation of the %rostertitle%? I (Rupees) E bc_22d==-99 && bc_22g==-99	NUMERIC: INTEGER bc_22h -
BC23A. What was the source of power used for the 2nd land preparation of %rostertitle%? E bc_21!=3 && bc_22a!=-999	SINGLE-SELECT bc_23a 001 ◯ MANUAL 002 ◯ BUFFALOES 003 ◯ TWO WHEELS TRACTOR 004 ◯ FOUR WHEELS TRACTOR -999 ◯ NOT APPLICABLE
BC23B. What type of plough machinery did the household use for 2nd land preparation of %rostertitle%? E bc_21!=3 && bc_23a>2 && bc_23a!=-999	MULTI-SELECT bc_23b 01 ☐ ROTAVATOR 02 ☐ DISC PLOUGH 03 ☐ MOULD BOARD 04 ☐ HARROW 05 ☐ CHISEL PLOUGH 06 ☐ OTHER (SPECIFY)
BC23B. Specify what type of plough machinery did the household use for 2nd land preparation of %rostertitle%? E bc_23b.Contains(6)	TEXT bc_23b_oth ....
BC23C. Where did the household get the source of power used for the 2nd land preparation of %rostertitle%? E bc_21!=3 && bc_23a>1 && bc_23a!=-999	SINGLE-SELECT bc_23c 01 ◯ SELF OWNED 02 ◯ BORROW FROM NEIGHBOR 03 ◯ RENT OUT FROM SERVICE PROVIDER 04 ◯ RENT OUT FROM FARMER ORGANIZATION 05 ◯ RENT OUT FROM ASC 06 ◯ OTHER (SPECIFY)
BC23C. Specify what was the source of the machinery used for the 2nd land preparation of %rostertitle%? E bc_23c==6	TEXT bc_23c_oth ....

BC23D. What was the cost of the machinery used for the 2nd land preparation of the %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E bc_21!=3 && bc_23a>2 && bc_23a!=-999	NUMERIC: INTEGER · bc_23d - . SPECIAL VALUES -99 DO NOT KNOW
BC23E. How many man/days of household labour were used for the 2nd land preparation of %rostertitle%? E bc_21!=3 && bc_23a!=-999 && bc_22a!=-999	NUMERIC: DECIMAL · bc_23e - SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK
BC23F. How many man/days of hired labour were used for the 2nd land preparation of %rostertitle%? E bc_21!=3 && bc_23a!=-999 && bc_22a!=-999	NUMERIC: DECIMAL · bc_23f - SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
BC23G. What was the daily cost per person of the hired labour for 2nd preparation of %rostertitle%? I (Rupees per day) E bc_23f>0	NUMERIC: INTEGER · bc_23g - SPECIAL VALUES -99 DO NOT KNOW
BC23H. What was the total cost for the 2nd land preparation of the %rostertitle%? I (Rupees) E bc_23d==-99 && bc_23g==-99	NUMERIC: INTEGER · bc_23h -
BC24A. What was the source of power used for levelling of %rostertitle%? E bc_21!=3	SINGLE-SELECT · bc_24a 001 ○ MANUAL 002 ○ BUFFALOES 003 ○ TWO WHEELS TRACTOR 004 ○ FOUR WHEELS TRACTOR -999 ○ NOT APPLICABLE
BC24C. Where did the household get the source of the machinery used for the levelling of %rostertitle%? E bc_24a>1 && bc_24a!=-999	SINGLE-SELECT · bc_24c 01 ○ SELF OWNED 02 ○ BORROW FROM NEIGHBOR 03 ○ RENT OUT FROM SERVICE PROVIDER 04 ○ RENT OUT FROM FARMER ORGANIZATION 05 ○ RENT OUT FROM ASC 06 ○ OTHER (SPECIFY)
BC24C. Specify what was the source of the machinery used for the levelling %rostertitle%? E bc_24c==6	TEXT · bc_24c_oth ....
BC24D. What was the cost of the machinery used for the levelling of the %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E bc_21!=3 && bc_24a>2 && bc_24a!=-999	NUMERIC: INTEGER · bc_24d - SPECIAL VALUES -99 DO NOT KNOW

BC24E. How many <u>man/days of household labour</u> were used for the levelling of %rostertitle%? E `bc_21!=3 && bc_24a!=-999`	NUMERIC: DECIMAL bc_24e - SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK
BC24F. How many <u>man/days of hired labour were used for the levelling</u> of %rostertitle%? E `bc_21!=3 && bc_24a!=-999`	NUMERIC: DECIMAL bc_24f - SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
BC24G. What was <u>the daily cost per person of the hired labour for levelling</u> of %rostertitle%? I (Rupees per day) E `bc_24f>0`	NUMERIC: INTEGER bc_24g - SPECIAL VALUES -99 DO NOT KNOW
BC24H. What was the total cost for the levelling of the %rostertitle%? I (Rupees) E `bc_24d==-99 && bc_24g==-99`	NUMERIC: INTEGER bc_24h -
BC25A. What was the <u>crop establishment method practiced on %rostertitle%</u>?	SINGLE-SELECT bc_25a 01 ◯ BROADCASTING 02 ◯ MANUAL TRANSPLANTING 03 ◯ MECHANICAL TRANSPLANTING 04 ◯ PARACHUTING 05 ◯ MANUAL DIRECT SEEDING 06 ◯ MECHANICAL DIRECT SEEDING
BC25E. How many <u>man/days of male household labour were used for the crop establishment</u> of %rostertitle%?	NUMERIC: DECIMAL bc_25e - SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHO LD LABOUR FOR THE TASK
BC25F. How many <u>man/days of male hired labour were used for the crop establishment</u> of the %rostertitle%?	NUMERIC: DECIMAL bc_25f - SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LAB OUR FOR THE TASK
BC25G. What was <u>the daily cost per male person of the hired labour for te crop establishment</u> of %rostertitle%? I (Rupees per day) E `bc_25f>0`	NUMERIC: INTEGER bc_25g -

BC25E2. How many man/days of female household labour were used for the crop establishment of %rostertitle%?	NUMERIC: DECIMAL bc_25e2 - SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSE HOLD LABOUR FOR THE TASK
BC25F2. How many man/days of female hired labour were used for the crop establishment of the %rostertitle%?	NUMERIC: DECIMAL bc_25f2 - SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED L ABOUR FOR THE TASK
BC25G2. What was the daily cost per female person of the hired labour for te crop establishment of %rostertitle%? I (Rupees per day) E bc_25f2>0	NUMERIC: INTEGER bc_25g2 -
BC26A. How many lime did the HH applied on %rostertitle%?	NUMERIC: INTEGER bc_26a - SPECIAL VALUES 00 NONE
BC26B. Unit of measurement E bc_26a>0	SINGLE-SELECT bc_26b 01 ◯ KILOGRAM 02 ◯ 50KG BAG 03 ◯ 25KG BAG 04 ◯ 10KG BAG 05 ◯ GRAM
BC220. What was the main source of water used for %rostertitle%?	SINGLE-SELECT bc_220 01 ◯ CANAL IRRIGATION 02 ◯ GROUNDWATER 03 ◯ DRAINAGE WATER 04 ◯ AGROWELLS 05 ◯ RAINFED
BC221. What was the irrigation method used on %rostertitle%? E bc_220<5	SINGLE-SELECT bc_221 01 ◯ FLOOD IRRIGATION 02 ◯ FURROW IRRIGATION 03 ◯ SPRINKLER IRRIGATION 04 ◯ DRIP IRRIGATION 05 ◯ SURFACE IRRIGATION 06 ◯ OTHER (SPECIFY)
BC221. Specify what was the irrigation method used on %rostertitle%? E bc_221==6	TEXT bc_221_oth ....
BC222. What was the share of %rostertitle%'s area under irrigation? E bc_220<5	SINGLE-SELECT bc_222 01 ◯ FULL EXTENT 02 ◯ HALF OF THE EXTENT 03 ◯ A QUARTER OF AN EXTENT 04 ◯ THREE QUARTERS 05 ◯ ONE THIRD 06 ◯ TWO THIRDS

BC223.How many <u>water rotations</u> were decided in pre-kanna meeting for %rostertitle%? E bc_220==1	NUMERIC: INTEGER bc_223 ---------------------------------
BC224. How many <u>water issues</u> did you received in for %rostertitle%? E bc_220==1	NUMERIC: INTEGER bc_224 ---------------------------------
BC225.What was the average number of days per issue on %rostertitle%? E bc_220==1	NUMERIC: DECIMAL bc_225 ---------------------------------
BC226. What are the water saving practices applied to %rostertitle%? E bc_220<5	SINGLE-SELECT bc_226 01 ◯ NONE 02 ◯ AWD 03 ◯ SRI METHOD 04 ◯ NAWA KEKULAMA
BC227. Was the water available on %rostertitle% sufficient for the crop growth?	SINGLE-SELECT bc_227 01 ◯ YES 02 ◯ NO

C.B: INTERMEDIATE SEASON [FROM C.B.1 TO C.B.4]
C.B.2: LOWLANDS INPUT USE PLANTING AND HARVESTING INTERMEDIATE SEASON

E cb_lowfilter==1

C.B: INTERMEDIATE SEASON [FROM C.B.1 TO C.B.4] / C.B.2: LOWLANDS INPUT USE PLANTING AND HARVESTING INTERMEDIATE SEASON
Roster: LOWLANDS INTERMEDIATE ROSTER
generated by list question c_01   blfield_roster2

E cb_lowfilter==1 && c_02==1 && bcl_filter.Select(x=>x[0]).Contains(@rowcode)

BC310.Please list all crop planted on %rostertitle% during the reference period	MULTI-SELECT bc_310 01 ☐ RICE 02 ☐ MAIZE 03 ☐ BLACK GRAM 04 ☐ GROUNDNUT 05 ☐ SOYA BEAN 06 ☐ COWPEA 07 ☐ GREEN GRAM 08 ☐ GINGERLY 09 ☐ FINGER MILLET 10 ☐ CHILIES 11 ☐ LUFFA 12 ☐ LADIES FINGERS 13 ☐ BRINJAL 14 ☐ BITTER GOURD 15 ☐ TOMATO 16 ☐ PUMPKIN And 2 other symbols [14]
BC310. Specify what crop was planted on %rostertitle% during the reference period? E bc_310.Contains(18)	TEXT bc_310_oth ....

C.B: INTERMEDIATE SEASON [FROM C.B.1 TO C.B.4] / C.B.2: LOWLANDS INPUT USE PLANTING AND HARVESTING INTERMEDIATE SEASON /

Roster: CROP LOWLAND INTERMEDIATE ROSTER

generated by multi-select question bc_310

BC311A. What <u>quantity of seed, tubers, or vines</u> did the HH plant for the first planting of %rostertitle%	NUMERIC: INTEGER bc_311a - .
BC311B. Unit of measurement E bc_311a>0	SINGLE-SELECT bc_311b 01 ◯ KILOGRAM 02 ◯ 50KG BAG 03 ◯ 25KG BAG 04 ◯ 10KG BAG 05 ◯ GRAM 06 ◯ BUSHEL 07 ◯ NUTS / SEEDLINGS / INDIVIDUAL PLANTS
BC312A. What was the source of the seeds for %rostertitle%?	SINGLE-SELECT bc_312a 01 ◯ SELF-PRODUCED-SEEDS 02 ◯ PURCHASED-NOT-CERTIFIED 03 ◯ PURCHASED-CERTIFIED
BC312B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%? F //rice @rowcode==1 && (@optioncode==-99 || (@optioncode>1 && @optioncode<=37)) || //maize @rowcode==2 && (@optioncode==-99 || (@optioncode>37 && @optioncode<=42 || @optioncode==2)) || //bl And 1426 other symbols [3]	SINGLE-SELECT bc_312b -99 ◯ VARIETY UNKNOWN 01 ◯ VARIETY KNOWN 02 ◯ VARIETY KNOWN BUT NOT LISTED 03 ◯ H–9 04 ◯ BG3-5 05 ◯ BG407 06 ◯ BG745 07 ◯ BG38 08 ◯ H-4 09 ◯ H–8 10 ◯ BG11–11 11 ◯ BG90–2 12 ◯ BG400–1 13 ◯ BG379–2 14 ◯ BG380 15 ◯ BG450 And 75 other symbols [17]
BC314A. What was the main <u>type of organic fertilizers</u> did the HH applied on %rostertitle%?	SINGLE-SELECT bc_314a 01 ◯ NONE 02 ◯ COMPOST 03 ◯ COW DUNG 04 ◯ POULTRY MANURE 05 ◯ OTHER (SPECIFY)
BC314A. Specify the main types of organic fertilizers applied on %rostertitle%? E bc_314a==5	TEXT bc_314a_oth ·
BC314B. How much <u>organic fertilizer</u> did the HH applied on %rostertitle%? E bc_314a!=1	NUMERIC: INTEGER bc_314b - .

BC314C. Unit of measurement E `bc_314a!=1`	SINGLE-SELECT	bc_314c
	01 ○ KILOGRAM 02 ○ 50KG BAG 03 ○ 25KG BAG 04 ○ 10KG BAG 05 ○ GRAM	

BC315A. What was the main type <u>basal dressing fertilizer</u> did the HH applied on %rostertitle%?	MULTI-SELECT	bc_315a
	01 ☐ NONE 02 ☐ UREA 03 ☐ TSP 04 ☐ MOP 05 ☐ EPPAWALA ROCK PHOSPHATE 06 ☐ MICRO NUTRIENTS 07 ☐ PLANT GROWTH HORMONES 08 ☐ OTHER (SPECIFY)	

BC315A. Specify the main type <u>basal dressing fertilizer</u> did the HH applied on %rostertitle%? E `bc_315a.Contains(8)`	TEXT	bc_315a_oth
	....	

BC315B. How many <u>kg of basal dressing fertilizer<\u> did the HH applied on %rostertitle%?</u> E `!bc_315a.Contains(1)`	NUMERIC: INTEGER	bc_315b
	- -	

BC316A. What <u>top dressing fertilizer</u> did the HH applied on %rostertitle%?	MULTI-SELECT	bc_316a
	01 ☐ NONE 02 ☐ UREA 03 ☐ TSP 04 ☐ MOP 05 ☐ EPPAWALA ROCK PHOSPHATE 06 ☐ MICRO NUTRIENTS 07 ☐ PLANT GROWTH HORMONES 08 ☐ OTHER (SPECIFY)	

BC316A. Specify what <u>top dressing fertilizer</u> did the HH applied on %rostertitle%? E `bc_316a.Contains(8)`	TEXT	bc_316a_oth
	....	

BC316B. How many <u>kg of top dressing fertilizer</u> did the HH applied on %rostertitle%? E `!bc_316a.Contains(1)`	NUMERIC: INTEGER	bc_316b
	- -	

BC317A. How many man/days of male <u>household labour were used for fertilizer application</u> on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E `bc_314a!=0 || !bc_315a.Contains(1)|| !bc_316a.Contains(1)`	NUMERIC: DECIMAL - SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHOLD LABOUR FOR THE TASK	bc_317a

BC317B. How many man/days of male <u>hired labour were used for fertilizer application</u> on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E `bc_314a!=0 || !bc_315a.Contains(1)|| !bc_316a.Contains(1)`	NUMERIC: DECIMAL - SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LABOUR FOR THE TASK	bc_317b

BC317A2. How many man/days of <u>female household labour were used for fertilizer application</u> on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E `bc_314a!=0 || !bc_315a.Contains(1)|| !bc_316a.Contains(1)`	NUMERIC: DECIMAL bc_317a2 ------------------------------ . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD FE MALE LABOUR FOR THE TASK
BC317B2. How many man/days of female <u>hired labour were used for fertilizer application</u> on %rostertitle%? I Enumerator: Please, include liming and organic fertilizer application E `bc_314a!=0 || !bc_315a.Contains(1)|| !bc_316a.Contains(1)`	NUMERIC: DECIMAL bc_317b2 ------------------------------ . SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED L ABOUR FOR THE TASK
BC321. What was the approach used for weeding %rostertitle%?	MULTI-SELECT bc_321 001 ☐ PREVENTIVE 002 ☐ DIRECT -999 ☐ NOT APPLICABLE
BC322. How was the method used for weeding the %rostertitle%? F `!bc_321.Contains(1) && @optioncode<4 || !bc_321.Contains(2) && @optioncode<5 || bc_321.ContainsAll(1,2) && @optioncode<5` E `!bc_321.ContainsOnly(-999)`	MULTI-SELECT bc_322 01 ☐ MANUAL 02 ☐ CHEMICAL 03 ☐ MECHANICAL 04 ☐ CULTURAL
BC323A. How many man/days of male <u>household labour were used weeding</u> of %rostertitle%? (Excluding herbicides) E `!bc_322.ContainsOnly(2) && IsAnswered(bc_322)`	NUMERIC: DECIMAL bc_323a ------------------------------ . SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHO LD LABOUR FOR THE TASK
BC323B. How many man/days of male <u>hired labour were used for</u> of %rostertitle%? (Excluding herbicides) E `!bc_322.ContainsOnly(2) && IsAnswered(bc_322)`	NUMERIC: DECIMAL bc_323b ------------------------------ . SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LAB OUR FOR THE TASK
BC323A2. How many man/days of female <u>household labour were used for weeding</u> of %rostertitle%? (Excluding herbicides) E `!bc_322.ContainsOnly(2) && IsAnswered(bc_322)`	NUMERIC: DECIMAL bc_323a2 ------------------------------ . SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSE HOLD LABOUR FOR THE TASK
BC323B2. How many man/days of female <u>hired labour were used for weeding</u> of %rostertitle%? (Excluding herbicides) E `!bc_322.ContainsOnly(2) && IsAnswered(bc_322)`	NUMERIC: DECIMAL bc_323b2 ------------------------------ . SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED L ABOUR FOR THE TASK
BC324. How many times was the %rostertitle% sprayed with herbicide? E `bc_322.Contains(2) && IsAnswered(bc_322)`	NUMERIC: INTEGER bc_324 ------------------------------ . SPECIAL VALUES 00 NOT SPRAYED

BC325A. How many man/days of <u>household labour</u> were used for the herbicide application on %rostertitle%? E `bc_322.Contains(2) && IsAnswered(bc_322)`	NUMERIC: DECIMAL	bc_325a
	_____ . _	
	SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK	
BC325B. How many man/days of <u>hired labour were used for the herbicide application</u> on %rostertitle%? E `bc_322.Contains(2) && IsAnswered(bc_322)`	NUMERIC: DECIMAL	bc_325b
	_____ . _	
	SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK	
BC326. How many times was %rostertitle% sprayed with other pesticides? I Enumerator: Please, exclude herbicides	NUMERIC: INTEGER	bc_326
	_____ . _	
	SPECIAL VALUES 00 NOT SPRAYED	
BC327A. How many man/days of <u>household labour</u> were used for the <u>other pesticides application</u> on %rostertitle%? I Enumerator: Please, exclude herbicides E `bc_326!=0`	NUMERIC: DECIMAL	bc_327a
	_____ . _	
	SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK	
BC327B. How many man/days of <u>hired labour were used for the other pesticides application</u> on %rostertitle%? I Enumerator: Please, exclude herbicides E `bc_326!=0`	NUMERIC: DECIMAL	bc_327b
	_____ . _	
	SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK	
BC41A. What was the <u>area planted</u> with %rostertitle%?	NUMERIC: DECIMAL	bc_41a
	_____ . _	
BC41B. Unit of measurement E `bc_41a>0`	SINGLE-SELECT 01 ◯ ACRE 02 ◯ HECTAR 03 ◯ PERCH 04 ◯ ROOD 05 ◯ AMUNU	bc_41b
BC42A. What was the <u>area harvested</u> with %rostertitle%?	NUMERIC: DECIMAL	bc_42a
	_____ . _	
BC42B. Unit of measurement E `bc_42a>0` W1 `((conversionfactors[(int)bc_41b].conversion)*bc_41a)>=((` `conversionfactors[(int)bc_42b].conversion)*bc_42a)` M1 The area harvested should be smaller or equal than the area planted	SINGLE-SELECT 01 ◯ ACRE 02 ◯ HECTAR 03 ◯ PERCH 04 ◯ ROOD 05 ◯ AMUNU	bc_42b

VARIABLE
 	
`((conversionfactors[(int)bc_41b].conversion)*bc_41a)>((c`
`onversionfactors[(int)bc_42b].conversion)*bc_42a)`
	BOOLEAN	bc_43

BC44. What was the main reason for <u>not harvesting the whole area planted</u> with %rostertitle%? E `bc_43==true || bc_42a==0`	SINGLE-SELECT bc_44 01 ○ WATER LOGGING 02 ○ WILTING DUE TO DROUGHT 03 ○ ANIMAL/BIRD DESTRUCTION 04 ○ FIELD NOT WEEDED, WEEDED LATE 05 ○ PESTS AND DISEASES 06 ○ FIRE 07 ○ THEFT 08 ○ FLOODS, HEAVY RAIN 09 ○ SOILS GENERALLY BAD 10 ○ LACK OF FERTILIZER 11 ○ LACK MANAGEMENT EXPERIENCE 12 ○ RECEIVED BAD ADVICE 13 ○ LABOUR SHORTAGES 14 ○ FAILED GERMINATION DUE TO DROUGHT 15 ○ FAILED GERMINATION DUE TO POOR QUALITY SEEDS 16 ○ LOW PRODUCTIVITY DUE TO LOW QUALITY SEEDS And 5 other symbols [18]
BC44. Specify the main reason for <u>not harvesting the whole area planted</u> with %rostertitle%? E `bc_44==21`	TEXT bc_44_oth ....
BC45A. In which month %rostertitle% was planted?	SINGLE-SELECT bc_45a 01 ○ JANUARY 02 ○ FEBRUARY 03 ○ MARCH 04 ○ APRIL 05 ○ MAY 06 ○ JUNE 07 ○ JULY 08 ○ AUGUST 09 ○ SEPTEMBER 10 ○ OCTOBER 11 ○ NOVEMBER 12 ○ DECEMBER
BC45B. In which week %rostertitle% was planted?	SINGLE-SELECT bc_45b 01 ○ 1ST WEEK 02 ○ 2ND WEEK 03 ○ 3RD WEEK 04 ○ 4TH WEEK
BC46. Did the household replant any part of the field with %rostertitle%?	SINGLE-SELECT bc_46 01 ○ YES 02 ○ NO
BC47A. How much %rostertitle% did the household harvest?	NUMERIC: DECIMAL bc_47a - .

BC47B. Unit of measurement E bc_47a>0	SINGLE-SELECT bc_47b 01 ⭘ KILOGRAM 02 ⭘ 64KG BAG 03 ⭘ 50KG BAG 04 ⭘ 25KG BAG 05 ⭘ 10KG BAG 06 ⭘ GRAM 07 ⭘ KILOGRAM UNSHELLED 08 ⭘ 64KG BAG UNSHELLED 09 ⭘ 50KG BAG UNSHELLED 10 ⭘ 25KG BAG UNSHELLED 11 ⭘ 10 KG BAG UNSHELLED 12 ⭘ INDIVIDUAL PLANT 13 ⭘ COB/ NUT 14 ⭘ BUSHEL
BC48A. Which source of power was used for harvesting and threshing %rostertitle%? E bc_42a>0	MULTI-SELECT bc_48a 01 ☐ MANUAL 02 ☐ BUFFALOES 03 ☐ TWO WHEELS TRACTOR 04 ☐ FOUR WHEELS TRACTOR 05 ☐ TSUNAMI 06 ☐ BHUTHAYA 07 ☐ BAHU BHUTHAYA
BC48B. What was the cost of the machinery used for harvesting and treshing %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E bc_48a.ContainsAny(3,4,5,6,7)	NUMERIC: INTEGER bc_48b - SPECIAL VALUES -99 DO NOT KNOW
BC48C. What was the total cost (machinery+labour) for harvesting and treshing %rostertitle%? I (Rupees) E bc_48b==-99	NUMERIC: INTEGER bc_48c - SPECIAL VALUES -99 DO NOT KNOW
BC49A. How many man/days of male <u>household labour</u> were used for harvesting and threshing %rostertitle%? E bc_47a>0	NUMERIC: DECIMAL bc_49a - SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHOLD LABOUR FOR THE TASK
AB49B. How many man/days of male <u>hired labour</u> were used for harvesting and threshing %rostertitle%? E bc_47a>0	NUMERIC: DECIMAL bc_49b - SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LABOUR FOR THE TASK
BC49A2. How many man/days of female <u>household labour</u> were used for harvesting and threshing %rostertitle%? E bc_47a>0	NUMERIC: DECIMAL bc_49a2 - SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSEHOLD LABOUR FOR THE TASK

BC49B2. How many man/days of female <u>hired labour</u> were used for harvesting and threshing %rostertitle%? E bc_47a>0	NUMERIC: DECIMAL bc_49b2 `- - - - - - - - - - - - - - - - - - - - - - - - - - - .` SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED L ABOUR FOR THE TASK
Did you or anyone in your household <u>cultivate</u> any upland during the 2017/2018 Intermediate season? E count_uplands>0	SINGLE-SELECT cb_upfilter 01 ◯ YES 02 ◯ NO
Which uplands did the household cultivate during the 2018 Intermediate season? F c_02==2 E cb_upfilter==1	MULTI-SELECT: LINKED bcu_filter

C.B: INTERMEDIATE SEASON [FROM C.B.1 TO C.B.4]
C.A.3: UPLAND PREPARATION AND WATER MANAGEMENT INTERMEDIATE SEASON
E cb_upfilter==1

STATIC TEXT

<u>Enumerator:</u> Please ask about all the upland fields cultivated during the 2018 Intermediate season
Include all cropped fields in <u>UPLANDS</u> and exclude lowlands, home garden, fallowfields, and virgin land

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C.B: INTERMEDIATE SEASON [FROM C.B.1 TO C.B.4] / C.A.3: UPLAND PREPARATION AND WATER MANAGEMENT INTERMEDIATE SEASON
Roster: UPLAND INTERMEDIATE ROSTER
generated by list question c_01   bufield_roster

E cb_upfilter==1 && c_02==2 && bcu_filter.Select(x=>x[0]).Contains(@rowcode)

BC50. What is the <u>main crop</u> cultivated on %rostertitle%?	SINGLE-SELECT bc_50 01 ◯ RICE 02 ◯ MAIZE 03 ◯ BLACK GRAM 04 ◯ GROUNDNUT 05 ◯ SOYA BEAN 06 ◯ COWPEA 07 ◯ GREEN GRAM 08 ◯ GINGERLY 09 ◯ FINGER MILLET 10 ◯ CHILIES 11 ◯ LUFFA 12 ◯ LADIES FINGERS 13 ◯ BRINJAL 14 ◯ BITTER GOURD 15 ◯ TOMATO 16 ◯ PUMPKIN And 2 other symbols [15]
BC50. Specify what is the main crop cultivated on %rostertitle% E bc_50==18	TEXT bc_50_oth `.........................................................................`

BC51. What was the <u>main land preparation method</u> used on %rostertitle%?	SINGLE-SELECT bc_51 01 ⭘ CONVENTIONAL HAND-HOEING 02 ⭘ PLANTING BASINS (potholes) 03 ⭘ ZERO TILLAGE 04 ⭘ PLOUGHING 05 ⭘ RIDGING (BEFORE PLANTING) 06 ⭘ BUNDING 07 ⭘ MOUNDING
BC52A. What was the <u>source of power used for the 1st land preparation</u> of %rostertitle%? E `bc_51!=3`	MULTI-SELECT: ORDERED bc_52a 001 ☐ MANUAL 002 ☐ BUFFALOES 003 ☐ TWO WHEELS TRACTOR 004 ☐ FOUR WHEELS TRACTOR -999 ☐ NOT APPLICABLE
BC52B. What type of plough machinery did the household use for 1st land preparation of %rostertitle%? E `bc_52a.ContainsAny(3,4)`	MULTI-SELECT bc_52b 01 ☐ ROTAVATOR 02 ☐ DISC PLOUGH 03 ☐ MOULD BOARD 04 ☐ HARROW 05 ☐ CHISEL PLOUGH 06 ☐ OTHER (SPECIFY)
BC52B. Specify what type of plough machinery did the household use for 1st land preparation of %rostertitle%? E `bc_52b.Contains(6)`	TEXT bc_52b_oth ....
BC52C. Where did the household get the <u>source of power used for the 1st land preparation</u> of the %rostertitle%? E `bc_52a.ContainsAny(2,3,4)`	MULTI-SELECT: ORDERED bc_52c 01 ☐ SELF OWNED 02 ☐ BORROW FROM NEIGHBOR 03 ☐ RENT OUT FROM SERVICE PROVIDER 04 ☐ RENT OUT FROM FARMER ORGANIZATION 05 ☐ RENT OUT FROM ASC 06 ☐ OTHER (SPECIFY)
BC52C. Specify where did the household get the <u>source of power used for the 1st land preparation</u> of %rostertitle%? E `bc_52c.Contains(6)`	TEXT bc_52c_oth ....
BC52D. What was the cost of the machinery used for the 1st land preparation of the %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E `bc_52a.ContainsAny(3,4)`	NUMERIC: INTEGER bc_52d - SPECIAL VALUES -99 DO NOT KNOW
BC52E. How many <u>man/days of household labour were used for the 1st land preparation</u> of %rostertitle%? I Enumerator: Please include canal clearing and bund preparation in the labour requirement for first land preparation E `bc_51!=3 && !bc_52a.Contains(-999)`	NUMERIC: DECIMAL bc_52e - SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LABOUR FOR THE TASK

BC52F. How many <u>man/days of hired labour were used for the 1st land preparation</u> of %rostertitle%? I Enumerator: Please include canal clearing and bund preparation in the labour requirement for first land preparation E `ac_51!=3 && !ac_52a.Contains(-999)`	NUMERIC: DECIMAL bc_52f ------------------------------------- SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR FOR THE TASK
BC52G. What was <u>the daily cost per person of the hired labour for 1st preparation</u> of %rostertitle%? I (Rupees per day) E `bc_52f>0`	NUMERIC: INTEGER bc_52g -------------------------------------
BC52H. What was the total cost for the 1st land preparation of the %rostertitle%? I (Rupees) E `bc_52d==-99 && bc_52g==-99`	NUMERIC: INTEGER bc_52h -------------------------------------
BC53A. What was the <u>source of power used for the 2nd land preparation</u> of %rostertitle%? E `bc_51!=3 && !bc_52a.Contains(-999)`	SINGLE-SELECT bc_53a 001 ⭕ MANUAL 002 ⭕ BUFFALOES 003 ⭕ TWO WHEELS TRACTOR 004 ⭕ FOUR WHEEL TRACTOR -999 ⭕ NOT APPLICABLE
BC53B. What type of plough machinery did the household use for 2nd land preparation of %rostertitle%? E `bc_51!=3 && bc_53a>2 && bc_53a!=5`	MULTI-SELECT bc_53b 01 ☐ ROTAVATOR 02 ☐ DISC PLOUGH 03 ☐ MOULD BOARD 04 ☐ HARROW 05 ☐ CHISEL PLOUGH 06 ☐ OTHER (SPECIFY)
BC53B. Specify what type of plough machinery did the household use for 2nd land preparation of %rostertitle%? E `bc_53b.Contains(6)`	TEXT bc_53b_oth ....
BC53C. Where did the household get the <u>source of power used for the 2nd land preparation</u> of %rostertitle%? E `bc_51!=3 && bc_53a>1 && bc_53a!=5`	SINGLE-SELECT bc_53c 01 ⭕ SELF OWNED 02 ⭕ BORROW FROM NEIGHBOR 03 ⭕ RENT OUT FROM SERVICE PROVIDER 04 ⭕ RENT OUT FROM FARMER ORGANIZATION 05 ⭕ RENT OUT FROM ASC 06 ⭕ OTHER (SPECIFY)
BC53C. Specify what was the <u>source of the machinery used for the 2nd land preparation</u> of %rostertitle%? E `bc_53c==6`	TEXT bc_53c_oth ....
BC53D. What was the cost of the machinery used for the 2nd land preparation of the %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E `bc_51!=3 && bc_53a>2 && bc_53a!=999`	NUMERIC: INTEGER bc_53d ------------------------------------- SPECIAL VALUES -99 DO NOT KNOW

BC53E. How many <u>man/days of household labour were used for the 2nd land preparation</u> of %rostertitle%? E `bc_51!=3 && bc_53a!=-999 && !bc_52a.Contains(-999)`	NUMERIC: DECIMAL bc_53e --- . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK
BC53F. How many <u>man/days of hired labour were used for the 2nd land preparation</u> of %rostertitle%? E `bc_51!=3 && bc_53a!=-999 && !bc_52a.Contains(-999)`	NUMERIC: DECIMAL bc_53f --- SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
BC53G. What was <u>the daily cost per person of the hired labour for 2nd preparation</u> of %rostertitle%? I (Rupees per day) E `bc_53f>0`	NUMERIC: INTEGER bc_53g --- . SPECIAL VALUES -99 DO NOT KNOW
BC53H. What was the total cost for the 2nd land preparation of the %rostertitle%? I (Rupees) E `bc_53d==-99 && bc_53g==-99`	NUMERIC: INTEGER bc_53h ---
BC54A. What was the <u>source of power used for levelling</u> of %rostertitle%? E `bc_51!=3`	SINGLE-SELECT bc_54a 001 ◯ MANUAL 002 ◯ BUFFALOES 003 ◯ TWO WHEELS TRACTOR 004 ◯ FOUR WHEEL TRACTOR -999 ◯ NOT APPLICABLE

BC54C. Where did the household get the <u>source of the machinery used for levelling</u> %rostertitle%?
 	
E `bc_51!=3 && bc_54a>1 && bc_54a!=5`
	SINGLE-SELECT bc_54c
	01 ◯ SELF OWNED
	02 ◯ BORROW FROM NEIGHBOR
	03 ◯ RENT OUT FROM SERVICE
	      PROVIDER
	04 ◯ RENT OUT FROM FARMER
	      ORGANIZATION
	05 ◯ RENT OUT FROM ASC
	06 ◯ OTHER (SPECIFY)

BC54C. Specify what was the <u>source of the machinery used for the levelling</u> %rostertitle%? E `bc_54c==6`	TEXT bc_54c_oth ....
BC54D. What was the cost of the machinery used for levelling %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E `bc_51!=3 && bc_54a>1 && bc_54a!=-999`	NUMERIC: INTEGER bc_54d --- SPECIAL VALUES -99 DO NOT KNOW
BC54E. How many <u>man/days of household labour were used for the levelling</u> of %rostertitle%? E `bc_51!=3 && bc_54a!=-999`	NUMERIC: DECIMAL bc_54e --- SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK

BC54F. How many <u>man/days of hired labour were used for the levelling</u> of %rostertitle%? E bc_51!=3 && bc_54a!=-999	NUMERIC: DECIMAL bc_54f ------------------------------------ SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
BC54G. What was <u>the daily cost per person of the hired labour for levelling</u> of %rostertitle%? I (Rupees per day) E bc_54f>0	NUMERIC: INTEGER bc_54g ------------------------------------ SPECIAL VALUES -99 DO NOT KNOW
BC54H. What was the total cost for the levelling %rostertitle%? I (Rupees) E bc_54d==-99 && bc_54g==-99	NUMERIC: INTEGER bc_54h ------------------------------------

BC55A. What was the <u>crop establishment method practiced on %rostertitle%</u>?	SINGLE-SELECT bc_55a
	01 ◯ BROADCASTING
	02 ◯ MANUAL TRANSPLANTING
	03 ◯ MECHANICAL
	    TRANSPLANTING
	04 ◯ PARACHUTING
	05 ◯ MANUAL DIRECT SEEDING
	06 ◯ MECHANICAL DIRECT
	    SEEDING

BC55E. How many <u>man/days of male household labour were used for the crop establishment</u> of %rostertitle%?	NUMERIC: DECIMAL bc_55e ------------------------------------ SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHO LD LABOUR FOR THE TASK
BC55F. How many <u>man/days of male hired labour were used for the crop establishment</u> of the %rostertitle%?	NUMERIC: DECIMAL bc_55f ------------------------------------ SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LAB OUR FOR THE TASK
BC55G. What was <u>the daily cost per male person of the hired labour for te crop establishment</u> of %rostertitle%? I (Rupees per day) E bc_55f>0	NUMERIC: INTEGER bc_55G ------------------------------------
BC55E2. How many <u>man/days of female household labour were used for the crop establishment</u> of %rostertitle%?	NUMERIC: DECIMAL bc_55e2 ------------------------------------ SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSE HOLD LABOUR FOR THE TASK

BC55F2. How many man/days of female hired labour were used for the crop establishment of the %rostertitle%?	NUMERIC: DECIMAL bc_55f2 - SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED LABOUR FOR THE TASK
BC55G2. What was the daily cost per female person (Rs/day) of the hired labour for te crop establishment of %rostertitle%? I (Rupees per day) E bc_55f2>0	NUMERIC: INTEGER bc_55g2 -
BC56A. How many lime did the HH applied on %rostertitle%?	NUMERIC: INTEGER bc_56a - SPECIAL VALUES 00 NONE
BC56B. Unit of measurement E bc_56a>0	SINGLE-SELECT bc_56b 01 ◯ KILOGRAM 02 ◯ 50KG BAG 03 ◯ 25KG BAG 04 ◯ 10KG BAG 05 ◯ GRAM
BC520. What was the main source of water used for %rostertitle%?	SINGLE-SELECT bc_520 01 ◯ CANAL IRRIGATION 02 ◯ GROUNDWATER 03 ◯ DRAINAGE WATER 04 ◯ AGROWELLS 05 ◯ RAINFED
BC521. What was the irrigation method used on %rostertitle%? E bc_520<5	SINGLE-SELECT bc_521 01 ◯ FLOOD IRRIGATION 02 ◯ FURROW IRRIGATION 03 ◯ SPRINKLER IRRIGATION 04 ◯ DRIP IRRIGATION 05 ◯ SURFACE IRRIGATION 06 ◯ OTHER (SPECIFY)
BC521. Specify what was the irrigation method used on %rostertitle%? E bc_521==6	TEXT bc_521_oth ....
BC522. What was the share of %rostertitle%'s area under irrigation? E bc_520<5	SINGLE-SELECT bc_522 01 ◯ FULL EXTENT 02 ◯ HALF OF THE EXTENT 03 ◯ A QUARTER OF AN EXTENT 04 ◯ THREE QUARTERS 05 ◯ ONE THIRD 06 ◯ TWO THIRDS

BC526. What are the water saving practices applied to %rostertitle%?	SINGLE-SELECT	bc_526
E bc_520<5	01 ◯ NONE 02 ◯ KEKALUMA 03 ◯ SOIL AND WATER CONSERVATION BUNDS 04 ◯ MULCHING 05 ◯ TERRACING 06 ◯ CONTOUR PLANTING 07 ◯ ORGANIC MATTER AMENDMENTS	

BC527. Was the water available on %rostertitle% sufficient for the crop growth?	SINGLE-SELECT	bc_527
	01 ◯ YES 02 ◯ NO	

C.B: INTERMEDIATE SEASON [FROM C.B.1 TO C.B.4]
C.A.4: UPLANDS INPUT USE PLANTING AND HARVESTING INTERMEDIATE SEASON

E cb_upfilter==1

C.B: INTERMEDIATE SEASON [FROM C.B.1 TO C.B.4] / C.A4: UPLANDS INPUT USE PLANTING AND HARVESTING INTERMEDIATE SEASON
Roster: UPLANDS INTERMEDIATE ROSTER
generated by list question c_01   bufield_roster2

E cb_upfilter==1 && c_02==2 && bcu_filter.Select(x=>x[0]).Contains(@rowcode)

BC610.Please list all crop planted on %rostertitle% during the reference period	MULTI-SELECT	bc_610
	01 ☐ RICE 02 ☐ MAIZE 03 ☐ BLACK GRAM 04 ☐ GROUNDNUT 05 ☐ SOYA BEAN 06 ☐ COWPEA 07 ☐ GREEN GRAM 08 ☐ GINGERLY 09 ☐ FINGER MILLET 10 ☐ CHILIES 11 ☐ LUFFA 12 ☐ LADIES FINGERS 13 ☐ BRINJAL 14 ☐ BITTER GOURD 15 ☐ TOMATO 16 ☐ PUMPKIN And 2 other symbols [16]	

BC610. Specify what crop was planted on %rostertitle% during the reference period?	TEXT	bc_610_oth
E bc_610.Contains(18)	....	

C.B: INTERMEDIATE SEASON [FROM C.B.1 TO C.B.4] / C.A4: UPLANDS INPUT USE PLANTING AND HARVESTING INTERMEDIATE SEASON / UPLANDS INTERMEDIATE ROSTER
Roster: CROP UPLANDS INTERMEDIATE
generated by multi-select question bc_610   bucrop_roster

BC611A. What quantity of seed, tubers, or vines did the HH plant for the first planting of %rostertitle%	NUMERIC: INTEGER	bc_611a
	------------------------------	

BC611B. Unit of measurement	SINGLE-SELECT	bc_611b
E bc_611a>0	01 ⭘ KILOGRAM 02 ⭘ 50KG BAG 03 ⭘ 25KG BAG 04 ⭘ 10KG BAG 05 ⭘ GRAM 06 ⭘ BUSHEL 07 ⭘ NUTS / SEEDLINGS / INDIVIDUAL PLANTS	

BC612A. What was the source of the seeds for %rostertitle%?	SINGLE-SELECT	bc_612a
	01 ⭘ SELF-PRODUCED-SEEDS 02 ⭘ PURCHASED-NOT-CERTIFIED 03 ⭘ PURCHASED-CERTIFIED	

BC612B. What main seed variety did the HH use for the first planting of %rostertitle%?	SINGLE-SELECT	bc_612b
F //rice @rowcode==1 && (@optioncode==-99 || (@optioncode>1 && @optioncode<=37)) || //maize @rowcode==2 && (@optioncode==-99 || (@optioncode>37 && @optioncode<=42 || @optioncode==2)) || //bl And 1426 other symbols [4]	-99 ⭘ VARIETY UNKNOWN 01 ⭘ VARIETY KNOWN 02 ⭘ VARIETY KNOWN BUT NOT LISTED 03 ⭘ H–9 04 ⭘ BG3-5 05 ⭘ BG407 06 ⭘ BG745 07 ⭘ BG38 08 ⭘ H-4 09 ⭘ H–8 10 ⭘ BG11–11 11 ⭘ BG90–2 12 ⭘ BG400–1 13 ⭘ BG379–2 14 ⭘ BG380 15 ⭘ BG450 And 75 other symbols [19]	

BC614A. What was the main type of organic fertilizers did the HH applied on %rostertitle%?	SINGLE-SELECT	bc_614a
	01 ⭘ NONE 02 ⭘ COMPOST 03 ⭘ COW DUNG 04 ⭘ POULTRY MANURE 05 ⭘ OTHER (SPECIFY)	

BC614A. Specify the main types of organic fertilizers applied on %rostertitle%?	TEXT	bc_614a_oth
E bc_614a==5	....	

BC614B. How much organic fertilizer did the HH applied on %rostertitle%?	NUMERIC: INTEGER	bc_614b
E bc_614a!=1	– –	

BC614C. Unit of measurement	SINGLE-SELECT	bc_614c
E bc_614a!=1	01 ⭘ KILOGRAM 02 ⭘ 50KG BAG 03 ⭘ 25KG BAG 04 ⭘ 10KG BAG 05 ⭘ GRAM	

BC615A. What was the main type <u>basal dressing fertilizer</u> did the HH applied on %rostertitle%?	MULTI-SELECT bc_615a 01 ☐ NONE 02 ☐ UREA 03 ☐ TSP 04 ☐ MOP 05 ☐ EPPAWALA ROCK PHOSPHATE 06 ☐ MICRO NUTRIENTS 07 ☐ PLANT GROWTH HORMONES 08 ☐ OTHER (SPECIFY)
BC615A. Specify the main type <u>basal dressing fertilizer</u> did the HH applied on %rostertitle%? E bc_615a.Contains(8)	TEXT bc_615a_oth ....
BC615B. How many <u>kg of basal dressing fertilizer<\u> did the HH applied on %rostertitle%?</u> E !bc_615a.Contains(1)	NUMERIC: INTEGER bc_615b - .
BC616A. What <u>top dressing fertilizer</u> did the HH applied on %rostertitle%?	MULTI-SELECT bc_616a 01 ☐ NONE 02 ☐ UREA 03 ☐ TSP 04 ☐ MOP 05 ☐ EPPAWALA ROCK PHOSPHATE 06 ☐ MICRO NUTRIENTS 07 ☐ PLANT GROWTH HORMONES 08 ☐ OTHER (SPECIFY)
BC616A. Specify what <u>top dressing fertilizer</u> did the HH applied on %rostertitle%? E bc_616a.Contains(8)	TEXT bc_616a_oth ....
BC616B. How many <u>kg of top dressing fertilizer</u> did the HH applied on %rostertitle%? E !bc_616a.Contains(1)	NUMERIC: INTEGER bc_616b - .
BC617A. How many man/days of male <u>household labour</u> were used for <u>fertilizer application</u> on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E bc_614a!=0 || !bc_615a.Contains(1)|| !bc_616a.Contains(1)	NUMERIC: DECIMAL bc_617a - . SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHOLD LABOUR FOR THE TASK
BC617B. How many man/days of male <u>hired labour</u> were used for <u>fertilizer application</u> on %rostertitle%? I Enumerator: Please, include liming and organic fertilizer application E bc_614a!=0 || !bc_615a.Contains(1)|| !bc_616a.Contains(1)	NUMERIC: DECIMAL bc_617b - . SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LABOUR FOR THE TASK
BC617A2. How many man/days of <u>female household labour</u> were used for <u>fertilizer application</u> on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E bc_614a!=0 || !bc_615a.Contains(1)|| !bc_616a.Contains(1)	NUMERIC: DECIMAL bc_617a2 - . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD FEMALE LABOUR FOR THE TASK

BC617B2. How many man/days of female <u>hired labour were used for fertilizer application</u> on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E `bc_614a!=0 || !bc_615a.Contains(1)|| !bc_616a.Contains(1)`	NUMERIC: DECIMAL bc_617b2 ----------------------------- . SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED L ABOUR FOR THE TASK
BC621. What was the approach used for weeding %rostertitle%?	MULTI-SELECT bc_621 001 ☐ PREVENTIVE 002 ☐ DIRECT -999 ☐ NOT APPLICABLE
BC622. How was the method used for weeding the %rostertitle%? F `!bc_621.Contains(1) && @optioncode<4 || !bc_621.Contains(2) && @optioncode<5 || bc_621.ContainsAll(1,2) && @optioncode<5` E `!bc_621.ContainsOnly(-999)`	MULTI-SELECT bc_622 01 ☐ MANUAL 02 ☐ CHEMICAL 03 ☐ MECHANICAL 04 ☐ CULTURAL
BC623A. How many man/days of male <u>household labour were used weeding</u> of %rostertitle%? I Enumerator: Please, exclude herbicide E `!bc_622.ContainsOnly(2) && IsAnswered(bc_622)`	NUMERIC: DECIMAL bc_623a ----------------------------- . SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHO LD LABOUR FOR THE TASK
BC623B. How many man/days of male <u>hired labour were used for</u> of %rostertitle%? I Enumerator: Please, exclude herbicide E `!bc_622.ContainsOnly(2) && IsAnswered(bc_622)`	NUMERIC: DECIMAL bc_623b ----------------------------- . SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LAB OUR FOR THE TASK
BC623A2. How many man/days of female <u>household labour were used for weeding</u> of %rostertitle%? I Enumerator: Please, exclude herbicide E `!bc_622.ContainsOnly(2) && IsAnswered(bc_622)`	NUMERIC: DECIMAL bc_623a2 ----------------------------- . SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSE HOLD LABOUR FOR THE TASK
BC623B2. How many man/days of female <u>hired labour were used for weeding</u> of %rostertitle%? I Enumerator: Please, exclude herbicide E `!bc_622.ContainsOnly(2) && IsAnswered(bc_622)`	NUMERIC: DECIMAL bc_623b2 ----------------------------- . SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED L ABOUR FOR THE TASK
BC624. How many times was the %rostertitle% sprayed with herbicide? E `bc_622.Contains(2) && IsAnswered(bc_622)`	NUMERIC: INTEGER bc_624 ----------------------------- . SPECIAL VALUES 00 NOT SPRAYED
BC625A. How many man/days of <u>household labour were used for the herbicide application</u> on %rostertitle%? E `bc_622.Contains(2) && IsAnswered(bc_622)`	NUMERIC: DECIMAL bc_625a ----------------------------- . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK

BC625B. How many man/days of <u>hired labour were used for the herbicide application</u> on %rostertitle%? E bc_622.Contains(2) && IsAnswered(bc_622)	NUMERIC: DECIMAL · · · · · · · · · · · · · · · · bc_625b - . SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
BC626. How many times was %rostertitle% sprayed with other pesticides? I Enumerator: Please, exclude herbicide	NUMERIC: INTEGER · · · · · · · · · · · · · · · · bc_626 - . SPECIAL VALUES 00 NOT SPRAYED
BC627A. How many man/days of <u>household labour were used for the other pesticides application</u> on %rostertitle%? I Enumerator: Please, exclude herbicide E bc_626!=0	NUMERIC: DECIMAL · · · · · · · · · · · · · · · · bc_627a - . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK
BC627B. How many man/days of <u>hired labour were used for the other pesticides application</u> on %rostertitle%? I Enumerator: Please, exclude herbicide E bc_626!=0	NUMERIC: DECIMAL · · · · · · · · · · · · · · · · bc_627b - . SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
BC71A. What was the <u>area planted</u> with %rostertitle%?	NUMERIC: DECIMAL · · · · · · · · · · · · · · · · bc_71a - .
BC71B. Unit of measurement E bc_71a>0	SINGLE-SELECT · · · · · · · · · · · · · · · · bc_71b 01 ◯ ACRE 02 ◯ HECTAR 03 ◯ PERCH 04 ◯ ROOD 05 ◯ AMUNU
BC72A. What was the <u>area harvested</u> with %rostertitle%?	NUMERIC: DECIMAL · · · · · · · · · · · · · · · · bc_72a - .
BC72B. Unit of measurement E bc_72a>0 W1 ((conversionfactors[(int)bc_71b].conversion)*bc_71a)>=((conversionfactors[(int)bc_72b].conversion)*bc_72a) M1 The area harvested should be smaller or equal than the area planted	SINGLE-SELECT · · · · · · · · · · · · · · · · bc_72b 01 ◯ ACRE 02 ◯ HECTAR 03 ◯ PERCH 04 ◯ ROOD 05 ◯ AMUNU
VARIABLE ((conversionfactors[(int)bc_71b].conversion)*bc_71a)>((conversionfactors[(int)bc_72b].conversion)*bc_72a)	BOOLEAN · · · · · · · · · · · · · · · · bc_73

BC74. What was the main reason for <u>not harvesting the whole area planted</u> with %rostertitle%? E `bc_73==true || bc_72a==0`	SINGLE-SELECT bc_74 01 ◯ WATER LOGGING 02 ◯ WILTING DUE TO DROUGHT 03 ◯ ANIMAL/BIRD DESTRUCTION 04 ◯ FIELD NOT WEEDED, WEEDED LATE 05 ◯ PESTS AND DISEASES 06 ◯ FIRE 07 ◯ THEFT 08 ◯ FLOODS, HEAVY RAIN 09 ◯ SOILS GENERALLY BAD 10 ◯ LACK OF FERTILIZER 11 ◯ LACK MANAGEMENT EXPERIENCE 12 ◯ RECEIVED BAD ADVICE 13 ◯ LABOUR SHORTAGES 14 ◯ FAILED GERMINATION DUE TO DROUGHT 15 ◯ FAILED GERMINATION DUE TO POOR QUALITY SEEDS 16 ◯ LOW PRODUCTIVITY DUE TO LOW QUALITY SEEDS And 5 other symbols [20]
BC74. Specify the main reason for <u>not harvesting the whole area planted</u> with %rostertitle%? E `bc_74==21`	TEXT bc_74_oth ....
BC75A. In which month %rostertitle% was planted?	SINGLE-SELECT bc_75a 01 ◯ JANUARY 02 ◯ FEBRUARY 03 ◯ MARCH 04 ◯ APRIL 05 ◯ MAY 06 ◯ JUNE 07 ◯ JULY 08 ◯ AUGUST 09 ◯ SEPTEMBER 10 ◯ OCTOBER 11 ◯ NOVEMBER 12 ◯ DECEMBER
BC75B. In which week %rostertitle% was planted?	SINGLE-SELECT bc_75b 01 ◯ 1ST WEEK 02 ◯ 2ND WEEK 03 ◯ 3RD WEEK 04 ◯ 4TH WEEK
BC76. Did the household replant any part of the field with %rostertitle%?	SINGLE-SELECT bc_76 01 ◯ YES 02 ◯ NO
BC77A. How much %rostertitle% did the HH harvest from this field?	NUMERIC: DECIMAL bc_77a ---------------------------------------

BC77B. Unit of measurement E bc_77a>0	SINGLE-SELECT bc_77b 01 ◯ KILOGRAM 02 ◯ 64KG BAG 03 ◯ 50KG BAG 04 ◯ 25KG BAG 05 ◯ 10KG BAG 06 ◯ GRAM 07 ◯ KILOGRAM UNSHELLED 08 ◯ 64KG BAG UNSHELLED 09 ◯ 50KG BAG UNSHELLED 10 ◯ 25KG BAG UNSHELLED 11 ◯ 10 KG BAG UNSHELLED 12 ◯ INDIVIDUAL PLANT 13 ◯ COB/ NUT 14 ◯ BUSHEL
BC78A. Which source of power was used for harvesting and threshing %rostertitle%? E bc_72a>0	MULTI-SELECT bc_78a 01 ☐ MANUAL 02 ☐ BUFFALOES 03 ☐ TWO WHEELS TRACTOR 04 ☐ FOUR WHEELS TRACTOR 05 ☐ TSUNAMI 06 ☐ BHUTHAYA 07 ☐ BAHU BHUTHAYA
BC78B. What was the cost of the machinery used for harvesting and treshing %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E bc_78a.ContainsAny(3,4,5,6,7)	NUMERIC: INTEGER bc_78b ------------------------------------ SPECIAL VALUES -99 DO NOT KNOW
BC78C. What was the total cost (machinery+labour) for harvesting and treshing %rostertitle%? I (Rupees) E bc_78b==-99	NUMERIC: INTEGER bc_78c ------------------------------------ SPECIAL VALUES -99 DO NOT KNOW
BC79A. How many man/days of male <u>household labour</u> were used for harvesting and threshing %rostertitle%? E bc_77a>0	NUMERIC: DECIMAL bc_79a ------------------------------------ SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHO LD LABOUR FOR THE TASK
BC79B. How many man/days of male <u>hired labour</u> were used for harvesting and threshing %rostertitle%? E bc_77a>0	NUMERIC: DECIMAL bc_79b ------------------------------------ SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LAB OUR FOR THE TASK
BC79A2. How many man/days of female <u>household labour</u> were used for harvesting and threshing %rostertitle%? E bc_77a>0	NUMERIC: DECIMAL bc_79a2 ------------------------------------ SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSE HOLD LABOUR FOR THE TASK

BC79B2. How many man/days of female <u>hired labour</u> were used for harvesting and threshing %rostertitle%? E bc_77a>0	NUMERIC: DECIMAL bc_79b2 - SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED LABOUR FOR THE TASK

C.C: YALA SEASON [FROM C.C.1 TO C.C.4]

E count_lowlands>0 || count_uplands>0

Did you or anyone in your household <u>cultivate</u> any lowland during the 2018 Yala season? E count_lowlands>0	SINGLE-SELECT cc_lowfilter 01 ◯ YES 02 ◯ NO
Which lowlands did the household cultivate during the 2018 Yala season? F c_02==1 E cc_lowfilter==1	MULTI-SELECT: LINKED ccl_filter

C.C: YALA SEASON [FROM C.C.1 TO C.C.4]
C.C.1: LOWLAND PREPARATION AND WATER MANAGEMENT YALA SEASON

E cc_lowfilter==1

STATIC TEXT

<u>Enumerator:</u> Please ask about all the lowland fields cultivated during the 2018 Yala season
Include all cropped fields in <u>LOWLANDS</u> and exclude uplands, home garden, fallowfields, and virgin land

C.C: YALA SEASON [FROM C.C.1 TO C.C.4] / C.C.1: LOWLAND PREPARATION AND WATER MANAGEMENT YALA SEASON
Roster: LOWLANDS YALA ROSTER
generated by list question c_01   clfield_roster

E cc_lowfilter==1 && c_02==1 && ccl_filter.Select(x=>x[0]).Contains(@rowcode)

CC20. What is the <u>main crop</u> cultivated on %rostertitle%?	SINGLE-SELECT cc_20 01 ◯ RICE 02 ◯ MAIZE 03 ◯ BLACK GRAM 04 ◯ GROUNDNUT 05 ◯ SOYA BEAN 06 ◯ COWPEA 07 ◯ GREEN GRAM 08 ◯ GINGERLY 09 ◯ FINGER MILLET 10 ◯ CHILIES 11 ◯ LUFFA 12 ◯ LADIES FINGERS 13 ◯ BRINJAL 14 ◯ BITTER GOURD 15 ◯ TOMATO 16 ◯ PUMPKIN And 2 other symbols [21]

CC20. Specify what is the main crop cultivated on %rostertitle% E `cc_20==18`	TEXT cc_20_oth ....
CC21. What was the <u>main land preparation method</u> used on %rostertitle%?	SINGLE-SELECT cc_21 01 ⃝ CONVENTIONAL HAND-HOEING 02 ⃝ PLANTING BASINS (potholes) 03 ⃝ ZERO TILLAGE 04 ⃝ PLOUGHING 05 ⃝ RIDGING (BEFORE PLANTING) 06 ⃝ BUNDING 07 ⃝ MOUNDING
CC22A. What was the <u>source of power used for the</u> <u>1st land preparation</u> of %rostertitle%? E `cc_21!=3`	SINGLE-SELECT cc_22a 001 ⃝ MANUAL 002 ⃝ BUFFALOES 003 ⃝ TWO WHEELS TRACTOR 004 ⃝ FOUR WHEELS TRACTOR -999 ⃝ NOT APPLICABLE
CC22B. What type of plough machinery did the household use for 1st land preparation of %rostertitle%? E `cc_22a>2`	MULTI-SELECT cc_22b 01 ☐ ROTAVATOR 02 ☐ DISC PLOUGH 03 ☐ MOULD BOARD 04 ☐ HARROW 05 ☐ CHISEL PLOUGH 06 ☐ OTHER (SPECIFY)
CC22B. Specify what type of plough machinery did the household use for 1st land preparation of %rostertitle%? E `cc_22b.Contains(6)`	TEXT cc_22b_oth ....

CC22C. Where did the household get the <u>source of</u> <u>power used for the 1st land preparation</u> of the %rostertitle%?
 	
 E `cc_22a>1`
	SINGLE-SELECT cc_22c
	 01 ⃝ SELF OWNED
	 02 ⃝ BORROW FROM NEIGHBOR
	 03 ⃝ RENT OUT FROM SERVICE
	        PROVIDER
	 04 ⃝ RENT OUT FROM FARMER
	        ORGANIZATION
	 05 ⃝ RENT OUT FROM ASC
	 06 ⃝ OTHER (SPECIFY)

CC22C. Specify where did the household get the <u>source of power used for the 1st land preparation</u> of %rostertitle%? E `cc_22c==6`	TEXT cc_22c_oth ....
CC22D. What was the cost of the machinery used for the 1st land preparation of the %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E `cc_22a>2`	NUMERIC: INTEGER cc_22d – SPECIAL VALUES -99 DO NOT KNOW

CC22E. How many man/days of household labour were used for the 1st land preparation of %rostertitle%? I Enumerator: Please include canal clearing and bund preparation in the labour requirement for first land preparation E `cc_21!=3 && cc_22a!=-999`	NUMERIC: DECIMAL cc_22e ------------------------------------ SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK
CC22F. How many man/days of hired labour were used for the 1st land preparation of %rostertitle%? I Enumerator: Please include canal clearing and bund preparation in the labour requirement for first land preparation E `cc_21!=3 && cc_22a!=-999`	NUMERIC: DECIMAL cc_22f ------------------------------------ SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
CC22G. What was the daily cost per person of the hired labour for 1st preparation of %rostertitle%? I (Rupees per day) E `cc_22f>0`	NUMERIC: INTEGER cc_22g ------------------------------------ SPECIAL VALUES -99 DO NOT KNOW
CC22H. What was the total cost for the 1st land preparation of the %rostertitle%? I (Rupees) E `cc_22d==-99 && cc_22g==-99`	NUMERIC: INTEGER cc_22h ------------------------------------
CC23A. What was the source of power used for the 2nd land preparation of %rostertitle%? E `cc_21!=3 && cc_22a!=-999`	SINGLE-SELECT cc_23a 001 ◯ MANUAL 002 ◯ BUFFALOES 003 ◯ TWO WHEELS TRACTOR 004 ◯ FOUR WHEELS TRACTOR -999 ◯ NOT APPLICABLE
CC23B. What type of plough machinery did the household use for 2nd land preparation of %rostertitle%? E `cc_21!=3 && cc_23a>2 && cc_23a!=-999`	MULTI-SELECT cc_23b 01 ☐ ROTAVATOR 02 ☐ DISC PLOUGH 03 ☐ MOULD BOARD 04 ☐ HARROW 05 ☐ CHISEL PLOUGH 06 ☐ OTHER (SPECIFY)
CC23B. Specify what type of plough machinery did the household use for 2nd land preparation of %rostertitle%? E `cc_23b.Contains(6)`	TEXT cc_23b_oth ....
CC23C. Where did the household get the source of power used for the 2nd land preparation of %rostertitle%? E `cc_21!=3 && cc_23a>1 && cc_23a!=-999`	SINGLE-SELECT cc_23c 01 ◯ SELF OWNED 02 ◯ BORROW FROM NEIGHBOR 03 ◯ RENT OUT FROM SERVICE PROVIDER 04 ◯ RENT OUT FROM FARMER ORGANIZATION 05 ◯ RENT OUT FROM ASC 06 ◯ OTHER (SPECIFY)
CC23C. Specify what was the source of the machinery used for the 2nd land preparation of %rostertitle%? E `cc_23c==6`	TEXT cc_23c_oth ....

CC23D. What was the cost of the machinery used for the 2nd land preparation of the %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E cc_21!=3 && cc_23a>2 && cc_23a!=-999	NUMERIC: INTEGER cc_23d ------------------------------ . SPECIAL VALUES -99 DO NOT KNOW
CC23E. How many man/days of household labour were used for the 2nd land preparation of %rostertitle%? E cc_21!=3 && cc_23a!=-999 && cc_22a!=-999	NUMERIC: DECIMAL cc_23e ------------------------------ SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK
CC23F. How many man/days of hired labour were used for the 2nd land preparation of %rostertitle%? E cc_21!=3 && cc_23a!=-999 && cc_22a!=-999	NUMERIC: DECIMAL cc_23f ------------------------------ . SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
CC23G. What was the daily cost per person of the hired labour for 2nd preparation of %rostertitle%? I (Rupees per day) E cc_23f>0	NUMERIC: INTEGER cc_23g ------------------------------ . SPECIAL VALUES -99 DO NOT KNOW
CC23H. What was the total cost for the 2nd land preparation of the %rostertitle%? I (Rupees) E cc_23d==-99 && cc_23g==-99	NUMERIC: INTEGER cc_23h ------------------------------ .
CC24A. What was the source of power used for levelling of %rostertitle%? E cc_21!=3	SINGLE-SELECT cc_24a 001 ◯ MANUAL 002 ◯ BUFFALOES 003 ◯ TWO WHEELS TRACTOR 004 ◯ FOUR WHEELS TRACTOR -999 ◯ NOT APPLICABLE

CC24C. Where did the household get the source of the machinery used for the levelling of %rostertitle%?
 	
E cc_24a>1 && cc_24a!=-999
	SINGLE-SELECT cc_24c
	01 ◯ SELF OWNED
	02 ◯ BORROW FROM NEIGHBOR
	03 ◯ RENT OUT FROM SERVICE
	     PROVIDER
	04 ◯ RENT OUT FROM FARMER
	     ORGANIZATION
	05 ◯ RENT OUT FROM ASC
	06 ◯ OTHER (SPECIFY)

CC24C. Specify what was the source of the machinery used for the levelling %rostertitle%? E cc_24c==6	TEXT cc_24c_oth ······································
CC24D. What was the cost of the machinery used for the levelling of the %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E cc_21!=3 && cc_24a>2 && cc_24a!=-999	NUMERIC: INTEGER cc_24d ------------------------------ . SPECIAL VALUES -99 DO NOT KNOW

CC24E. How many <u>man/days of household labour were used for the levelling</u> of %rostertitle%? E `cc_21!=3 && cc_24a!=-999`	NUMERIC: DECIMAL	cc_24e
	SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK	
CC24F. How many <u>man/days of hired labour were used for the levelling</u> of %rostertitle%? E `cc_21!=3 && cc_24a!=-999`	NUMERIC: DECIMAL	cc_24f
	SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK	
CC24G. What was <u>the daily cost per person of the hired labour for levelling</u> of %rostertitle%? I (Rupees per day) E `cc_24f>0`	NUMERIC: INTEGER	cc_24g
	SPECIAL VALUES -99 DO NOT KNOW	
CC24H. What was the total cost for the levelling of the %rostertitle%? I (Rupees) E `cc_24d==-99 && cc_24g==-99`	NUMERIC: INTEGER	cc_24h

CC25A. What was the <u>crop establishment method practiced on %rostertitle%</u>?	SINGLE-SELECT
	01 ◯ BROADCASTING
	02 ◯ MANUAL TRANSPLANTING
	03 ◯ MECHANICAL
	    TRANSPLANTING
	04 ◯ PARACHUTING
	05 ◯ MANUAL DIRECT SEEDING
	06 ◯ MECHANICAL DIRECT
	    SEEDING
		cc_25a

CC25E. How many <u>man/days of male household labour were used for the crop establishment</u> of %rostertitle%?	NUMERIC: DECIMAL	cc_25e
	SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHO LD LABOUR FOR THE TASK	
CC25F. How many <u>man/days of male hired labour were used for the crop establishment</u> of the %rostertitle%?	NUMERIC: DECIMAL	cc_25f
	SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LAB OUR FOR THE TASK	
CC25G. What was <u>the daily cost per male person of the hired labour for te crop establishment</u> of %rostertitle%? I (Rupees per day) E `cc_25f>0`	NUMERIC: INTEGER	cc_25g

CC25E2. How many man/days of female household labour were used for the crop establishment of %rostertitle%?	NUMERIC: DECIMAL cc_25e2 -------------------------------- SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSE HOLD LABOUR FOR THE TASK
CC25F2. How many man/days of female hired labour were used for the crop establishment of the %rostertitle%?	NUMERIC: DECIMAL cc_25f2 -------------------------------- SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED L ABOUR FOR THE TASK
CC25G2. What was the daily cost per female person of the hired labour for te crop establishment of %rostertitle%? I (Rupees per day) E cc_25f2>0	NUMERIC: INTEGER cc_25g2 --------------------------------
CC26A. How many lime did the HH applied on %rostertitle%?	NUMERIC: INTEGER cc_26a -------------------------------- SPECIAL VALUES 00 NONE
CC26B. Unit of measurement E cc_26a>0	SINGLE-SELECT cc_26b 01 ◯ KILOGRAM 02 ◯ 50KG BAG 03 ◯ 25KG BAG 04 ◯ 10KG BAG 05 ◯ GRAM
CC220. What was the main source of water used for %rostertitle%?	SINGLE-SELECT cc_220 01 ◯ CANAL IRRIGATION 02 ◯ GROUNDWATER 03 ◯ DRAINAGE WATER 04 ◯ AGROWELLS 05 ◯ RAINFED
CC221. What was the irrigation method used on %rostertitle%? E cc_220<5	SINGLE-SELECT cc_221 01 ◯ FLOOD IRRIGATION 02 ◯ FURROW IRRIGATION 03 ◯ SPRINKLER IRRIGATION 04 ◯ DRIP IRRIGATION 05 ◯ SURFACE IRRIGATION 06 ◯ OTHER (SPECIFY)
CC221. Specify what was the irrigation method used on %rostertitle%? E cc_221==6	TEXT cc_221_oth ....
CC222. What was the share of %rostertitle%'s area under irrigation? E cc_220<5	SINGLE-SELECT cc_222 01 ◯ FULL EXTENT 02 ◯ HALF OF THE EXTENT 03 ◯ A QUARTER OF AN EXTENT 04 ◯ THREE QUARTERS 05 ◯ ONE THIRD 06 ◯ TWO THIRDS

CC223.How many <u>water rotations</u> were decided in pre-kanna meeting for %rostertitle%? E cc_220==1	NUMERIC: INTEGER cc_223 - .
CC224. How many <u>water issues</u> did you received in for %rostertitle%? E cc_220==1	NUMERIC: INTEGER cc_224 - - - - - - - - - - - - - - - / - - - - - - - - - .
CC225.What was the average number of days per issue on %rostertitle%? E cc_220==1	NUMERIC: DECIMAL cc_225 - .
CC226. What are the water saving practices applied to %rostertitle%? E cc_220<5	SINGLE-SELECT cc_226 01 ◯ NONE 02 ◯ AWD 03 ◯ SRI METHOD 04 ◯ NAWA KEKULAMA
CC227. Was the water available on %rostertitle% sufficient for the crop growth?	SINGLE-SELECT cc_227 01 ◯ YES 02 ◯ NO

C.C: YALA SEASON [FROM C.C.1 TO C.C.4]
C.B.2: LOWLANDS INPUT USE PLANTING AND HARVESTING YALA SEASON
E cc_lowfilter==1

C.C: YALA SEASON [FROM C.C.1 TO C.C.4] / C.B.2: LOWLANDS INPUT USE PLANTING AND HARVESTING YALA SEASON
Roster: LOWLANDS YALA ROSTER
generated by list question c_01   clfield_roster2
E cc_lowfilter==1 && c_02==1 && ccl_filter.Select(x=>x[0]).Contains(@rowcode)

CC310.Please list all crop planted on %rostertitle% during the reference period	MULTI-SELECT cc_310 01 ☐ RICE 02 ☐ MAIZE 03 ☐ BLACK GRAM 04 ☐ GROUNDNUT 05 ☐ SOYA BEAN 06 ☐ COWPEA 07 ☐ GREEN GRAM 08 ☐ GINGERLY 09 ☐ FINGER MILLET 10 ☐ CHILIES 11 ☐ LUFFA 12 ☐ LADIES FINGERS 13 ☐ BRINJAL 14 ☐ BITTER GOURD 15 ☐ TOMATO 16 ☐ PUMPKIN And 2 other symbols [22]
CC310. Specify what crop was planted on %rostertitle% during the reference period? E cc_310.Contains(18)	TEXT cc_310_oth ....

C.C: YALA SEASON [FROM C.C.1 TO C.C.4] / C.B.2: LOWLANDS INPUT USE PLANTING AND HARVESTING YALA SEASON / LOWLANDS YALA ROSTER

CC311A. What <u>quantity of seed, tubers, or vines</u> did the HH plant for the first planting of %rostertitle%	NUMERIC: INTEGER cc_311a -

CC311B. Unit of measurement

E cc_311a>0

SINGLE-SELECT   cc_311b

01 ○ KILOGRAM
02 ○ 50KG BAG
03 ○ 25KG BAG
04 ○ 10KG BAG
05 ○ GRAM
06 ○ BUSHEL
07 ○ NUTS / SEEDLINGS / INDIVIDUAL PLANTS

CC312A. What was the source of the seeds for %rostertitle%?

SINGLE-SELECT   cc_312a

01 ○ SELF-PRODUCED-SEEDS
02 ○ PURCHASED-NOT-CERTIFIED
03 ○ PURCHASED-CERTIFIED

CC312B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%?

F //rice @rowcode==1 && (@optioncode==-99 || (@optioncode>1 && @optioncode<=37)) || //maize @rowcode==2 && (@optioncode==-99 || (@optioncode>37 && @optioncode<=42 || @optioncode==2)) || //bl
And 1426 other symbols [5]

SINGLE-SELECT   cc_312b

-99 ○ VARIETY UNKNOWN
01 ○ VARIETY KNOWN
02 ○ VARIETY KNOWN BUT NOT LISTED
03 ○ H–9
04 ○ BG3-5
05 ○ BG407
06 ○ BG745
07 ○ BG38
08 ○ H-4
09 ○ H–8
10 ○ BG11–11
11 ○ BG90–2
12 ○ BG400–1
13 ○ BG379–2
14 ○ BG380
15 ○ BG450

And 75 other symbols [25]

CC314A. What was the main <u>type of organic fertilizers</u> did the HH applied on %rostertitle%?

SINGLE-SELECT   cc_314a

01 ○ NONE
02 ○ COMPOST
03 ○ COW DUNG
04 ○ POULTRY MANURE
05 ○ OTHER (SPECIFY)

CC314A. Specify the main types of organic fertilizers applied on %rostertitle%?

E cc_314a==5

TEXT   cc_314a_oth

....

CC314B. How much <u>organic fertilizer</u> did the HH applied on %rostertitle%?

E cc_314a!=1

NUMERIC: INTEGER   cc_314b

- -

CC314C. Unit of measurement E `cc_314a!=1`	SINGLE-SELECT cc_314c 01 ◯ KILOGRAM 02 ◯ 50KG BAG 03 ◯ 25KG BAG 04 ◯ 10KG BAG 05 ◯ GRAM
CC315A. What was the main type <u>basal dressing fertilizer</u> did the HH applied on %rostertitle%?	MULTI-SELECT cc_315a 01 ☐ NONE 02 ☐ UREA 03 ☐ TSP 04 ☐ MOP 05 ☐ EPPAWALA ROCK PHOSPHATE 06 ☐ MICRO NUTRIENTS 07 ☐ PLANT GROWTH HORMONES 08 ☐ OTHER (SPECIFY)
CC315A. Specify the main type <u>basal dressing fertilizer</u> did the HH applied on %rostertitle%? E `cc_315a.Contains(8)`	TEXT cc_315a_oth ....
CC315B. How many <u>kg of basal dressing fertilizer\<\u> did the HH applied on %rostertitle%?</u> E `!cc_315a.Contains(1)`	NUMERIC: INTEGER cc_315b -
CC316A. What <u>top dressing fertilizer</u> did the HH applied on %rostertitle%?	MULTI-SELECT cc_316a 01 ☐ NONE 02 ☐ UREA 03 ☐ TSP 04 ☐ MOP 05 ☐ EPPAWALA ROCK PHOSPHATE 06 ☐ MICRO NUTRIENTS 07 ☐ PLANT GROWTH HORMONES 08 ☐ OTHER (SPECIFY)
CC316A. Specify what <u>top dressing fertilizer</u> did the HH applied on %rostertitle%? E `cc_316a.Contains(8)`	TEXT cc_316a_oth ....
CC316B. How many <u>kg of top dressing fertilizer</u> did the HH applied on %rostertitle%? E `!cc_316a.Contains(1)`	NUMERIC: INTEGER cc_316b -
CC317A. How many man/days of male <u>household labour were used for fertilizer application</u> on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E `cc_314a!=0 || !cc_315a.Contains(1)|| !cc_316a.Contains(1)`	NUMERIC: DECIMAL cc_317a - . SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHO LD LABOUR FOR THE TASK
CC317B. How many man/days of male <u>hired labour were used for fertilizer application</u> on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E `cc_314a!=0 || !cc_315a.Contains(1)|| !cc_316a.Contains(1)`	NUMERIC: DECIMAL cc_317b - . SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LAB OUR FOR THE TASK

CC317A2. How many man/days of <u>female household labour were used for fertilizer application</u> on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E cc_314a!=0 || !cc_315a.Contains(1)|| !cc_316a.Contains(1)	NUMERIC: DECIMAL cc_317a2 ------------------------------. SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD FE MALE LABOUR FOR THE TASK
CC317B2. How many man/days of female <u>hired labour were used for fertilizer application</u> on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E cc_314a!=0 || !cc_315a.Contains(1)|| !cc_316a.Contains(1)	NUMERIC: DECIMAL cc_317b2 ------------------------------. SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED L ABOUR FOR THE TASK
CC321. What was the approach used for weeding %rostertitle%?	MULTI-SELECT cc_321 001 ☐ PREVENTIVE 002 ☐ DIRECT -999 ☐ NOT APPLICABLE
CC322. How was the method used for weeding the %rostertitle%? F !cc_321.Contains(1) && @optioncode<4 || !cc_321.Contains(2) && @optioncode<5 || cc_321.ContainsAll(1,2) && @optioncode<5 E !cc_321.ContainsOnly(-999)	MULTI-SELECT cc_322 01 ☐ MANUAL 02 ☐ CHEMICAL 03 ☐ MECHANICAL 04 ☐ CULTURAL
CC323A. How many man/days of male <u>household labour were used weeding</u> of %rostertitle%? I Enumerator: Please, exclude herbicides E !cc_322.ContainsOnly(2) && IsAnswered(cc_322)	NUMERIC: DECIMAL cc_323a ------------------------------. SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHO LD LABOUR FOR THE TASK
CC323B. How many man/days of male <u>hired labour were used for</u> of %rostertitle%? I Enumerator: Please, exclude herbicides E !cc_322.ContainsOnly(2) && IsAnswered(cc_322)	NUMERIC: DECIMAL cc_323b ------------------------------. SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LAB OUR FOR THE TASK
CC323A2. How many man/days of female <u>household labour were used for weeding</u> of %rostertitle%? I Enumerator: Please, exclude herbicides E !cc_322.ContainsOnly(2) && IsAnswered(cc_322)	NUMERIC: DECIMAL cc_323a2 ------------------------------. SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSE HOLD LABOUR FOR THE TASK
CC323B2. How many man/days of female <u>hired labour were used for weeding</u> of %rostertitle%? I Enumerator: Please, exclude herbicides E !cc_322.ContainsOnly(2) && IsAnswered(cc_322)	NUMERIC: DECIMAL cc_323b2 ------------------------------. SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED L ABOUR FOR THE TASK
CC324. How many times was the %rostertitle% sprayed with herbicide? E cc_322.Contains(2) && IsAnswered(cc_322)	NUMERIC: INTEGER cc_324 ------------------------------. SPECIAL VALUES 00 NOT SPRAYED

CC325A. How many man/days of <u>household labour were used for the herbicide application</u> on %rostertitle%? E `cc_322.Contains(2) && IsAnswered(cc_322)`	NUMERIC: DECIMAL cc_325a - . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK
CC325B. How many man/days of <u>hired labour were used for the herbicide application</u> on %rostertitle%? E `cc_322.Contains(2) && IsAnswered(cc_322)`	NUMERIC: DECIMAL cc_325b - . SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
CC326. How many times was %rostertitle% sprayed with other pesticides? I Enumerator: Please, exclude herbicides	NUMERIC: INTEGER cc_326 - . SPECIAL VALUES 00 NOT SPRAYED
CC327A. How many man/days of <u>household labour were used for the other pesticides application</u> on %rostertitle%? I Enumerator: Please, exclude herbicides E `cc_326!=0`	NUMERIC: DECIMAL cc_327a - . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK
CC327B. How many man/days of <u>hired labour were used for the other pesticides application</u> on %rostertitle%? I Enumerator: Please, exclude herbicides E `cc_326!=0`	NUMERIC: DECIMAL cc_327b - . SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
CC41A. What was the <u>area planted</u> with %rostertitle%?	NUMERIC: DECIMAL cc_41a - .
CC41B. Unit of measurement E `cc_41a>0`	SINGLE-SELECT cc_41b 01 ◯ ACRE 02 ◯ HECTAR 03 ◯ PERCH 04 ◯ ROOD 05 ◯ AMUNU
CC42A. What was the <u>area harvested</u> with %rostertitle%?	NUMERIC: DECIMAL cc_42a - .
CC42B. Unit of measurement E `cc_42a>0` W1 `((conversionfactors[(int)cc_41b].conversion)*cc_41a)>=((conversionfactors[(int)cc_42b].conversion)*cc_42a)` M1 The area harvested should be smaller or equal than the area planted	SINGLE-SELECT cc_42b 01 ◯ ACRE 02 ◯ HECTAR 03 ◯ PERCH 04 ◯ ROOD 05 ◯ AMUNU
VARIABLE `((conversionfactors[(int)cc_41b].conversion)*cc_41a)>((conversionfactors[(int)cc_42b].conversion)*cc_42a)`	BOOLEAN cc_43

CC44. What was the main reason for <u>not harvesting the whole area planted</u> with %rostertitle%? E cc_43==true || cc_42a==0	SINGLE-SELECT cc_44 01 ◯ WATER LOGGING 02 ◯ WILTING DUE TO DROUGHT 03 ◯ ANIMAL/BIRD DESTRUCTION 04 ◯ FIELD NOT WEEDED, WEEDED LATE 05 ◯ PESTS AND DISEASES 06 ◯ FIRE 07 ◯ THEFT 08 ◯ FLOODS, HEAVY RAIN 09 ◯ SOILS GENERALLY BAD 10 ◯ LACK OF FERTILIZER 11 ◯ LACK MANAGEMENT EXPERIENCE 12 ◯ RECEIVED BAD ADVICE 13 ◯ LABOUR SHORTAGES 14 ◯ FAILED GERMINATION DUE TO DROUGHT 15 ◯ FAILED GERMINATION DUE TO POOR QUALITY SEEDS 16 ◯ LOW PRODUCTIVITY DUE TO LOW QUALITY SEEDS And 5 other symbols [26]
CC44. Specify the main reason for <u>not harvesting the whole area planted</u> with %rostertitle%? E cc_44==21	TEXT cc_44_oth ....
CC45A. In which month %rostertitle% was planted?	SINGLE-SELECT cc_45a 01 ◯ JANUARY 02 ◯ FEBRUARY 03 ◯ MARCH 04 ◯ APRIL 05 ◯ MAY 06 ◯ JUNE 07 ◯ JULY 08 ◯ AUGUST 09 ◯ SEPTEMBER 10 ◯ OCTOBER 11 ◯ NOVEMBER 12 ◯ DECEMBER
CC45B. In which week %rostertitle% was planted?	SINGLE-SELECT cc_45b 01 ◯ 1ST WEEK 02 ◯ 2ND WEEK 03 ◯ 3RD WEEK 04 ◯ 4TH WEEK
CC46. Did the household replant any part of the field with %rostertitle%?	SINGLE-SELECT cc_46 01 ◯ YES 02 ◯ NO
CC47A. How much %rostertitle% did the household harvest?	NUMERIC: DECIMAL cc_47a -

CC47B. Unit of measurement E cc_47a>0	SINGLE-SELECT cc_47b 01 ◯ KILOGRAM 02 ◯ 64KG BAG 03 ◯ 50KG BAG 04 ◯ 25KG BAG 05 ◯ 10KG BAG 06 ◯ GRAM 07 ◯ KILOGRAM UNSHELLED 08 ◯ 64KG BAG UNSHELLED 09 ◯ 50KG BAG UNSHELLED 10 ◯ 25KG BAG UNSHELLED 11 ◯ 10 KG BAG UNSHELLED 12 ◯ INDIVIDUAL PLANT 13 ◯ COB/ NUT 14 ◯ BUSHEL
CC48A. Which source of power was used for harvesting and threshing %rostertitle%? E cc_42a>0	MULTI-SELECT cc_48a 01 ☐ MANUAL 02 ☐ BUFFALOES 03 ☐ TWO WHEELS TRACTOR 04 ☐ FOUR WHEELS TRACTOR 05 ☐ TSUNAMI 06 ☐ BHUTHAYA 07 ☐ BAHU BHUTHAYA
CC48B. What was the cost of the machinery used for harvesting and treshing %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E cc_48a.ContainsAny(3,4,5,6,7)	NUMERIC: INTEGER cc_48b - SPECIAL VALUES -99 DO NOT KNOW
CC48C. What was the total cost (machinery+labour) for harvesting and treshing %rostertitle%? I (Rupees) E cc_48b==-99	NUMERIC: INTEGER cc_48c - SPECIAL VALUES -99 DO NOT KNOW
CC49A. How many man/days of male <u>household labour</u> were used for harvesting and threshing %rostertitle%? E cc_47a>0	NUMERIC: DECIMAL cc_49a - SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHOLD LABOUR FOR THE TASK
CC49B. How many man/days of male <u>hired labour</u> were used for harvesting and threshing %rostertitle%? E cc_47a>0	NUMERIC: DECIMAL cc_49b - SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LABOUR FOR THE TASK
CC49A2. How many man/days of female <u>household labour</u> were used for harvesting and threshing %rostertitle%? E cc_47a>0	NUMERIC: DECIMAL cc_49a2 - SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSEHOLD LABOUR FOR THE TASK

CC49B2. How many man/days of female <u>hired labour were used for harvesting and threshing</u> %rostertitle%? E cc_47a>0	NUMERIC: DECIMAL cc_49b2 - . SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED LABOUR FOR THE TASK
Did you or anyone in your household <u>cultivate</u> any upland during the 2018 Yala season? E count_uplands>0	SINGLE-SELECT cc_upfilter 01 ◯ YES 02 ◯ NO
Which uplands did the household cultivate during the 2018 Yala? F c_02==2 E cc_upfilter==1	MULTI-SELECT: LINKED ccu_filter

C.C: YALA SEASON [FROM C.C.1 TO C.C.4]
C.A.3: UPLAND PREPARATION AND WATER MANAGEMENT YALA SEASON
E cc_upfilter==1

STATIC TEXT

<u>Enumerator:</u> Please ask about all the upland fields cultivated during the 2018 Yala season
Include all cropped fields in <u>UPLANDS</u> and exclude lowlands, home garden, fallowfields, and virgin land

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C.C: YALA SEASON [FROM C.C.1 TO C.C.4] / C.A3: UPLAND PREPARATION AND WATER MANAGEMENT YALA SEASON
Roster: UPLAND YALA ROSTER
generated by list question c_01   cufield_roster

E cc_upfilter==1 && c_02==2 && ccu_filter.Select(x=>x[0]).Contains(@rowcode)

CC50. What is the <u>main crop</u> cultivated on %rostertitle%?	SINGLE-SELECT cc_50 01 ◯ RICE 02 ◯ MAIZE 03 ◯ BLACK GRAM 04 ◯ GROUNDNUT 05 ◯ SOYA BEAN 06 ◯ COWPEA 07 ◯ GREEN GRAM 08 ◯ GINGERLY 09 ◯ FINGER MILLET 10 ◯ CHILIES 11 ◯ LUFFA 12 ◯ LADIES FINGERS 13 ◯ BRINJAL 14 ◯ BITTER GOURD 15 ◯ TOMATO 16 ◯ PUMPKIN And 2 other symbols [23]
CC50. Specify what is the main crop cultivated on %rostertitle% E cc_50==18	TEXT cc_50_oth ••

CC51. What was the <u>main land preparation method</u> used on %rostertitle%?	SINGLE-SELECT cc_51 01 ◯ CONVENTIONAL HAND-HOEING 02 ◯ PLANTING BASINS (potholes) 03 ◯ ZERO TILLAGE 04 ◯ PLOUGHING 05 ◯ RIDGING (BEFORE PLANTING) 06 ◯ BUNDING 07 ◯ MOUNDING
CC52A. What was the <u>source of power used for the 1ˢᵗ land preparation</u> of %rostertitle%? E cc_51!=3	MULTI-SELECT: ORDERED cc_52a 001 ☐ MANUAL 002 ☐ BUFFALOES 003 ☐ TWO WHEELS TRACTOR 004 ☐ FOUR WHEELS TRACTOR -999 ☐ NOT APPLICABLE
CC52B. What type of plough machinery did the household use for 1st land preparation of %rostertitle%? E cc_52a.ContainsAny(3,4)	MULTI-SELECT cc_52b 01 ☐ ROTAVATOR 02 ☐ DISC PLOUGH 03 ☐ MOULD BOARD 04 ☐ HARROW 05 ☐ CHISEL PLOUGH 06 ☐ OTHER (SPECIFY)
CC52B. Specify what type of plough machinery did the household use for 1st land preparation of %rostertitle%? E cc_52b.Contains(6)	TEXT cc_52b_oth ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯
CC52C. Where did the household get the <u>source of power used for the 1ˢᵗ land preparation</u> of the %rostertitle%? E cc_52a.ContainsAny(2,3,4)	MULTI-SELECT: ORDERED cc_52c 01 ☐ SELF OWNED 02 ☐ BORROW FROM NEIGHBOR 03 ☐ RENT OUT FROM SERVICE PROVIDER 04 ☐ RENT OUT FROM FARMER ORGANIZATION 05 ☐ RENT OUT FROM ASC 06 ☐ OTHER (SPECIFY)
CC52C. Specify where did the household get the <u>source of power used for the 1ˢᵗ land preparation</u> of %rostertitle%? E cc_52c.Contains(6)	TEXT cc_52c_oth ⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯
CC52D. What was the cost of the machinery used for the 1st land preparation of the %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E cc_52a.ContainsAny(3,4)	NUMERIC: INTEGER cc_52d - - - - - - - - - - - - - - - - - . SPECIAL VALUES -99 DO NOT KNOW
CC52E. How many <u>man/days of household labour were used for the 1ˢᵗ land preparation</u> of %rostertitle%? I Enumerator: Please include canal clearing and bund preparation in the labour requirement for first land preparation E cc_51!=3 && !cc_52a.Contains(-999)	NUMERIC: DECIMAL cc_52e - - - - - - - - - - - - - - - - - . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LABOUR FOR THE TASK

CC52F. How many <u>man/days of hired labour were used for the 1st land preparation</u> of %rostertitle%? I Enumerator: Please include canal clearing and bund preparation in the labour requirement for first land preparation E `cc_51!=3 && !cc_52a.Contains(-999)`	NUMERIC: DECIMAL cc_52f - SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR FOR THE TASK
CC52G. What was <u>the daily cost per person of the hired labour for 1st preparation</u> of %rostertitle%? I (Rupees per day) E `cc_52f>0`	NUMERIC: INTEGER cc_52g -
CC52H. What was the total cost for the 1st land preparation of the %rostertitle%? I (Rupees) E `cc_52d==-99 && cc_52g==-99`	NUMERIC: INTEGER cc_52h -
CC53A. What was the <u>source of power used for the 2nd land preparation</u> of %rostertitle%? E `cc_51!=3 && !cc_52a.Contains(-999)`	SINGLE-SELECT cc_53a 001 ◯ MANUAL 002 ◯ BUFFALOES 003 ◯ TWO WHEELS TRACTOR 004 ◯ FOUR WHEEL TRACTOR -999 ◯ NOT APPLICABLE
CC53B. What type of plough machinery did the household use for 2nd land preparation of %rostertitle%? E `cc_51!=3 && cc_53a>2 && cc_53a!=5`	MULTI-SELECT cc_53b 01 ☐ ROTAVATOR 02 ☐ DISC PLOUGH 03 ☐ MOULD BOARD 04 ☐ HARROW 05 ☐ CHISEL PLOUGH 06 ☐ OTHER (SPECIFY)
CC53B. Specify what type of plough machinery did the household use for 2nd land preparation of %rostertitle%? E `cc_53b.Contains(6)`	TEXT cc_53b_oth ··
CC53C. Where did the household get the <u>source of power used for the 2nd land preparation</u> of %rostertitle%? E `cc_51!=3 && cc_53a>1 && cc_53a!=5`	SINGLE-SELECT cc_53c 01 ◯ SELF OWNED 02 ◯ BORROW FROM NEIGHBOR 03 ◯ RENT OUT FROM SERVICE PROVIDER 04 ◯ RENT OUT FROM FARMER ORGANIZATION 05 ◯ RENT OUT FROM ASC 06 ◯ OTHER (SPECIFY)
CC53C. Specify what was the <u>source of the machinery used for the 2nd land preparation</u> of %rostertitle%? E `cc_53c==6`	TEXT cc_53c_oth ··
CC53D. What was the cost of the machinery used for the 2nd land preparation of the %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E `cc_51!=3 && cc_53a>2 && cc_53a!=999`	NUMERIC: INTEGER cc_53d - SPECIAL VALUES -99 DO NOT KNOW

CC53E. How many man/days of household labour were used for the 2<u>nd</u> land preparation of %rostertitle%? E cc_51!=3 && cc_53a!=-999 && !cc_52a.Contains(-999)	NUMERIC: DECIMAL cc_53e -------------------------------------. SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK
CC53F. How many man/days of hired labour were used for the 2<u>nd</u> land preparation of %rostertitle%? E cc_51!=3 && cc_53a!=-999 && !cc_52a.Contains(-999)	NUMERIC: DECIMAL cc_53f -------------------------------------. SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
CC53G. What was <u>the daily cost per person of the hired labour for 2<u>nd</u> preparation</u> of %rostertitle%? I (Rupees per day) E cc_53f>0	NUMERIC: INTEGER cc_53g -------------------------------------. SPECIAL VALUES -99 DO NOT KNOW
CC53H. What was the total cost for the 2nd land preparation of the %rostertitle%? I (Rupees) E cc_53d==-99 && cc_53g==-99	NUMERIC: INTEGER cc_53h -------------------------------------.
CC54A. What was the <u>source of power used for levelling</u> of %rostertitle%? E cc_51!=3	SINGLE-SELECT cc_54a 001 ○ MANUAL 002 ○ BUFFALOES 003 ○ TWO WHEELS TRACTOR 004 ○ FOUR WHEEL TRACTOR -999 ○ NOT APPLICABLE
CC54C. Where did the household get the <u>source of the machinery used for levelling</u> %rostertitle%? E cc_51!=3 && cc_54a>1 && cc_54a!=5	SINGLE-SELECT cc_54c 01 ○ SELF OWNED 02 ○ BORROW FROM NEIGHBOR 03 ○ RENT OUT FROM SERVICE PROVIDER 04 ○ RENT OUT FROM FARMER ORGANIZATION 05 ○ RENT OUT FROM ASC 06 ○ OTHER (SPECIFY)
CC54C. Specify what was the <u>source of the machinery used for the levelling</u> %rostertitle%? E cc_54c==6	TEXT cc_54c_oth ....
CC54D. What was the cost of the machinery used for levelling %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household E cc_51!=3 && cc_54a>1 && cc_54a!=-999	NUMERIC: INTEGER cc_54d -------------------------------------. SPECIAL VALUES -99 DO NOT KNOW
CC54E. How many <u>man/days of household labour were used for the levelling</u> of %rostertitle%? E cc_51!=3 && cc_54a!=-999	NUMERIC: DECIMAL cc_54e -------------------------------------. SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK

CC54F. How many <u>man/days of hired labour were used for the levelling</u> of %rostertitle%? E cc_51!=3 && cc_54a!=-999	NUMERIC: DECIMAL cc_54f --. SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
CC54G. What was <u>the daily cost per person of the hired labour for levelling</u> of %rostertitle%? I (Rupees per day) E cc_54f>0	NUMERIC: INTEGER cc_54g -- SPECIAL VALUES -99 DO NOT KNOW
CC54H. What was the total cost for the levelling %rostertitle%? I (Rupees) E cc_54d==-99 && cc_54g==-99	NUMERIC: INTEGER cc_54h --.

CC55A. What was the <u>crop establishment method practiced on %rostertitle%</u>?	SINGLE-SELECT cc_55a
	01 ◯ BROADCASTING
	02 ◯ MANUAL TRANSPLANTING
	03 ◯ MECHANICAL
	    TRANSPLANTING
	04 ◯ PARACHUTING
	05 ◯ MANUAL DIRECT SEEDING
	06 ◯ MECHANICAL DIRECT
	    SEEDING

CC55E. How many <u>man/days of male household labour were used for the crop establishment</u> of %rostertitle%?	NUMERIC: DECIMAL cc_55e --. SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHO LD LABOUR FOR THE TASK
CC55F. How many <u>man/days of male hired labour were used for the crop establishment</u> of the %rostertitle%?	NUMERIC: DECIMAL cc_55f --. SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LAB OUR FOR THE TASK
CC55G. What was <u>the daily cost per male person of the hired labour for te crop establishment</u> of %rostertitle%? I (Rupees per day) E cc_55f>0	NUMERIC: INTEGER cc_55g --.
CC55E2. How many <u>man/days of female household labour were used for the crop establishment</u> of %rostertitle%?	NUMERIC: DECIMAL cc_55e2 --. SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSE HOLD LABOUR FOR THE TASK

CC55F2. How many <u>man/days of female hired labour</u> were used for the crop establishment of the %rostertitle%?	NUMERIC: DECIMAL cc_55f2 ------------------------------ SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED LABOUR FOR THE TASK
CC55G2. What was <u>the daily cost per female person of the hired labour for te crop establishment</u> of %rostertitle%? I (Rupees per day) E cc_55f2>0	NUMERIC: INTEGER cc_55g2 ------------------------------
CC56A. How many lime did the HH applied on %rostertitle%?	NUMERIC: INTEGER cc_56a ------------------------------ SPECIAL VALUES 00 NONE
CC56B. Unit of measurement E cc_56a>0	SINGLE-SELECT cc_56b 01 ◯ KILOGRAM 02 ◯ 50KG BAG 03 ◯ 25KG BAG 04 ◯ 10KG BAG 05 ◯ GRAM
CC520. What was the <u>main source of water</u> used for %rostertitle%?	SINGLE-SELECT cc_520 01 ◯ CANAL IRRIGATION 02 ◯ GROUNDWATER 03 ◯ DRAINAGE WATER 04 ◯ AGROWELLS 05 ◯ RAINFED
CC521. What was the <u>irrigation method</u> used on %rostertitle%? E cc_520<5	SINGLE-SELECT cc_521 01 ◯ FLOOD IRRIGATION 02 ◯ FURROW IRRIGATION 03 ◯ SPRINKLER IRRIGATION 04 ◯ DRIP IRRIGATION 05 ◯ SURFACE IRRIGATION 06 ◯ OTHER (SPECIFY)
CC521. Specify what was the <u>irrigation method</u> used on %rostertitle%? E cc_521==6	TEXT cc_521_oth ....
CC522. What was the <u>share of %rostertitle%'s area</u> under irrigation? E cc_520<5	SINGLE-SELECT cc_522 01 ◯ FULL EXTENT 02 ◯ HALF OF THE EXTENT 03 ◯ A QUARTER OF AN EXTENT 04 ◯ THREE QUARTERS 05 ◯ ONE THIRD 06 ◯ TWO THIRDS

CC526. What are the water saving practices applied to %rostertitle%? E cc_520<5	SINGLE-SELECT cc_526 01 ◯ NONE 02 ◯ KEKALUMA 03 ◯ SOIL AND WATER CONSERVATION BUNDS 04 ◯ MULCHING 05 ◯ TERRACING 06 ◯ CONTOUR PLANTING 07 ◯ ORGANIC MATTER AMENDMENTS
CC527. Was the water available on %rostertitle% sufficient for the crop growth?	SINGLE-SELECT cc_527 01 ◯ YES 02 ◯ NO

C.C: YALA SEASON [FROM C.C.1 TO C.C.4]
C.A.4: UPLANDS INPUT USE PLANTING AND HARVESTING YALA SEASON

E cc_upfilter==1

C.C: YALA SEASON [FROM C.C.1 TO C.C.4] / C.A.4: UPLANDS INPUT USE PLANTING AND HARVESTING YALA SEASON
Roster: UPLANDS YALA ROSTER
generated by list question c_01   cufield_roster2

E cc_upfilter==1 && c_02==2 && ccu_filter.Select(x=>x[0]).Contains(@rowcode)

CC610.Please list all crop planted on %rostertitle% during the reference period	MULTI-SELECT cc_610 01 ☐ RICE 02 ☐ MAIZE 03 ☐ BLACK GRAM 04 ☐ GROUNDNUT 05 ☐ SOYA BEAN 06 ☐ COWPEA 07 ☐ GREEN GRAM 08 ☐ GINGERLY 09 ☐ FINGER MILLET 10 ☐ CHILIES 11 ☐ LUFFA 12 ☐ LADIES FINGERS 13 ☐ BRINJAL 14 ☐ BITTER GOURD 15 ☐ TOMATO 16 ☐ PUMPKIN And 2 other symbols [24]
CC610. Specify what crop was planted on %rostertitle% during the reference period? E cc_610.Contains(18)	TEXT cc_610_oth ....

C.C: YALA SEASON [FROM C.C.1 TO C.C.4] / C.A.4: UPLANDS INPUT USE PLANTING AND HARVESTING YALA SEASON / UPLANDS YALA ROSTER
Roster: CROP UPLANDS YALA
generated by multi-select question cc_610   cucrop_roster

CC611A. What quantity of seed, tubers, or vines did the HH plant for the first planting of %rostertitle%	NUMERIC: INTEGER cc_611a -------------------------------------

CC611B. Unit of measurement E cc_611a>0	SINGLE-SELECT cc_611b 01 ◯ KILOGRAM 02 ◯ 50KG BAG 03 ◯ 25KG BAG 04 ◯ 10KG BAG 05 ◯ GRAM 06 ◯ BUSHEL 07 ◯ NUTS / SEEDLINGS / INDIVIDUAL PLANTS
CC612A. What was the source of the seeds for %rostertitle%?	SINGLE-SELECT cc_612a 01 ◯ SELF-PRODUCED-SEEDS 02 ◯ PURCHASED-NOT-CERTIFIED 03 ◯ PURCHASED-CERTIFIED
CC612B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%? F //rice @rowcode==1 && (@optioncode==-99 || (@optioncode>1 && @optioncode<=37)) || //maize @rowcode==2 && (@optioncode==-99 || (@optioncode>37 && @optioncode<=42 || @optioncode==2)) || //bl And 1426 other symbols [6]	SINGLE-SELECT cc_612b -99 ◯ VARIETY UNKNOWN 01 ◯ VARIETY KNOWN 02 ◯ VARIETY KNOWN BUT NOT LISTED 03 ◯ H–9 04 ◯ BG3-5 05 ◯ BG407 06 ◯ BG745 07 ◯ BG38 08 ◯ H-4 09 ◯ H–8 10 ◯ BG11–11 11 ◯ BG90–2 12 ◯ BG400–1 13 ◯ BG379–2 14 ◯ BG380 15 ◯ BG450 And 75 other symbols [27]
CC614A. What was the main <u>type of organic fertilizers</u> did the HH applied on %rostertitle%?	SINGLE-SELECT cc_614a 01 ◯ NONE 02 ◯ COMPOST 03 ◯ COW DUNG 04 ◯ POULTRY MANURE 05 ◯ OTHER (SPECIFY)
CC614A. Specify the main types of organic fertilizers applied on %rostertitle%? E cc_614a==5	TEXT cc_614a_oth ....
CC614B. How much <u>organic fertilizer</u> did the HH applied on %rostertitle%? E cc_614a!=1	NUMERIC: INTEGER cc_614b –
CC614C. Unit of measurement E cc_614a!=1	SINGLE-SELECT cc_614c 01 ◯ KILOGRAM 02 ◯ 50KG BAG 03 ◯ 25KG BAG 04 ◯ 10KG BAG 05 ◯ GRAM

CC615A. What was the main type <u>basal dressing fertilizer</u> did the HH applied on %rostertitle%?	MULTI-SELECT cc_615a 01 ☐ NONE 02 ☐ UREA 03 ☐ TSP 04 ☐ MOP 05 ☐ EPPAWALA ROCK PHOSPHATE 06 ☐ MICRO NUTRIENTS 07 ☐ PLANT GROWTH HORMONES 08 ☐ OTHER (SPECIFY)
CC615A. Specify the main type <u>basal dressing fertilizer</u> did the HH applied on %rostertitle%? E cc_615a.Contains(8)	TEXT cc_615a_oth ....
CC615B. How many <u>kg of basal dressing fertilizer<\u> did the HH applied on %rostertitle%?</u> E !cc_615a.Contains(1)	NUMERIC: INTEGER cc_615b - .
CC616A. What <u>top dressing fertilizer</u> did the HH applied on %rostertitle%?	MULTI-SELECT cc_616a 01 ☐ NONE 02 ☐ UREA 03 ☐ TSP 04 ☐ MOP 05 ☐ EPPAWALA ROCK PHOSPHATE 06 ☐ MICRO NUTRIENTS 07 ☐ PLANT GROWTH HORMONES 08 ☐ OTHER (SPECIFY)
CC616A. Specify what <u>top dressing fertilizer</u> did the HH applied on %rostertitle%? E cc_616a.Contains(8)	TEXT cc_616a_oth ....
CC616B. How many <u>kg of top dressing fertilizer</u> did the HH applied on %rostertitle%? E !cc_616a.Contains(1)	NUMERIC: INTEGER cc_616b - .
CC617A. How many man/days of male <u>household labour were used for fertilizer application</u> on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E cc_614a!=0 || !cc_615a.Contains(1)|| !cc_616a.Contains(1)	NUMERIC: DECIMAL cc_617a - . SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHO LD LABOUR FOR THE TASK
CC617B. How many man/days of male <u>hired labour were used for fertilizer application</u> on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E cc_614a!=0 || !cc_615a.Contains(1)|| !cc_616a.Contains(1)	NUMERIC: DECIMAL cc_617b - . SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LAB OUR FOR THE TASK
CC617A2. How many man/days of <u>female household labour were used for fertilizer application</u> on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E cc_614a!=0 || !cc_615a.Contains(1)|| !cc_616a.Contains(1)	NUMERIC: DECIMAL cc_617a2 - . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD FE MALE LABOUR FOR THE TASK

CC617B2. How many man/days of female <u>hired labour were used for fertilizer application</u> on %rostertitle% ? I Enumerator: Please, include liming and organic fertilizer application E cc_614a!=0 || !cc_615a.Contains(1)|| !cc_616a.Contains(1)</code>	NUMERIC: DECIMAL cc_617b2 ------------------------------- SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED L ABOUR FOR THE TASK
CC621. What was the approach used for weeding %rostertitle%?	MULTI-SELECT cc_621 001 ☐ PREVENTIVE 002 ☐ DIRECT -999 ☐ NOT APPLICABLE
CC622. How was the method used for weeding the %rostertitle%? F !cc_621.Contains(1) && @optioncode<4 || !cc_621.Contains(2) && @optioncode<5 || cc_621.ContainsAll(1,2) && @optioncode<5 E !cc_621.ContainsOnly(-999)	MULTI-SELECT cc_622 01 ☐ MANUAL 02 ☐ CHEMICAL 03 ☐ MECHANICAL 04 ☐ CULTURAL
CC623A. How many man/days of male <u>household labour were used weeding</u> of %rostertitle%? I Enumerator: Please, exclude herbicides E !cc_622.ContainsOnly(2) && IsAnswered(cc_622)	NUMERIC: DECIMAL cc_623a ------------------------------- SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHO LD LABOUR FOR THE TASK
CC623B. How many man/days of male <u>hired labour were used for</u> of %rostertitle%? I Enumerator: Please, exclude herbicides E !cc_622.ContainsOnly(2) && IsAnswered(cc_622)	NUMERIC: DECIMAL cc_623b ------------------------------- SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LAB OUR FOR THE TASK
CC623A2. How many man/days of female <u>household labour were used for weeding</u> of %rostertitle%? I Enumerator: Please, exclude herbicides E !cc_622.ContainsOnly(2) && IsAnswered(cc_622)	NUMERIC: DECIMAL cc_623a2 ------------------------------- SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSE HOLD LABOUR FOR THE TASK
CC623B2. How many man/days of female <u>hired labour were used for weeding</u> of %rostertitle%? I Enumerator: Please, exclude herbicides E !cc_622.ContainsOnly(2) && IsAnswered(cc_622)	NUMERIC: DECIMAL cc_623b2 ------------------------------- SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED L ABOUR FOR THE TASK
CC624. How many times was the %rostertitle% sprayed with herbicide? E cc_622.Contains(2) && IsAnswered(cc_622)	NUMERIC: INTEGER cc_624 ------------------------------- SPECIAL VALUES 00 NOT SPRAYED
CC625A. How many man/days of <u>household labour were used for the herbicide application</u> on %rostertitle%? E cc_622.Contains(2) && IsAnswered(cc_622)	NUMERIC: DECIMAL cc_625a ------------------------------- SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK

CC625B. How many man/days of <u>hired labour were used for the herbicide application</u> on %rostertitle%? E cc_622.Contains(2) && IsAnswered(cc_622)	NUMERIC: DECIMAL cc_625b - . SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
CC626. How many times was %rostertitle% sprayed with other pesticides? I Enumerator: Please, exclude herbicides	NUMERIC: INTEGER cc_626 - . SPECIAL VALUES 00 NOT SPRAYED
CC627A. How many man/days of <u>household labour were used for the other pesticides application</u> on %rostertitle%? I Enumerator: Please, exclude herbicides E cc_626!=0	NUMERIC: DECIMAL cc_627a - . SPECIAL VALUES 00 HH DID NOT USE HOUSEHOLD LAB OUR FOR THE TASK
CC627B. How many man/days of <u>hired labour were used for the other pesticides application</u> on %rostertitle%? I Enumerator: Please, exclude herbicides E cc_626!=0	NUMERIC: DECIMAL cc_627b - . SPECIAL VALUES 00 HH DID NOT USE HIRED LABOUR F OR THE TASK
CC71A. What was the <u>area planted</u> with %rostertitle%?	NUMERIC: DECIMAL cc_71a - .
CC71B. Unit of measurement E cc_71a>0	SINGLE-SELECT cc_71b 01 ◯ ACRE 02 ◯ HECTAR 03 ◯ PERCH 04 ◯ ROOD 05 ◯ AMUNU
CC72A. What was the <u>area harvested</u> with %rostertitle%?	NUMERIC: DECIMAL cc_72a - .
CC72B. Unit of measurement E cc_72a>0 W1 ((conversionfactors[(int)cc_71b].conversion)*cc_71a)>=((conversionfactors[(int)cc_72b].conversion)*cc_72a) M1 The area harvested should be smaller or equal than the area planted	SINGLE-SELECT cc_72b 01 ◯ ACRE 02 ◯ HECTAR 03 ◯ PERCH 04 ◯ ROOD 05 ◯ AMUNU
VARIABLE ((conversionfactors[(int)cc_71b].conversion)*cc_71a)>((c onversionfactors[(int)cc_72b].conversion)*cc_72a)	BOOLEAN cc_73

CC74. What was the main reason for <u>not harvesting the whole area planted</u> with %rostertitle%? E cc_73==true || cc_72a==0	SINGLE-SELECT cc_74 01 ○ WATER LOGGING 02 ○ WILTING DUE TO DROUGHT 03 ○ ANIMAL/BIRD DESTRUCTION 04 ○ FIELD NOT WEEDED, WEEDED LATE 05 ○ PESTS AND DISEASES 06 ○ FIRE 07 ○ THEFT 08 ○ FLOODS, HEAVY RAIN 09 ○ SOILS GENERALLY BAD 10 ○ LACK OF FERTILIZER 11 ○ LACK MANAGEMENT EXPERIENCE 12 ○ RECEIVED BAD ADVICE 13 ○ LABOUR SHORTAGES 14 ○ FAILED GERMINATION DUE TO DROUGHT 15 ○ FAILED GERMINATION DUE TO POOR QUALITY SEEDS 16 ○ LOW PRODUCTIVITY DUE TO LOW QUALITY SEEDS And 5 other symbols [28]
CC74. Specify the main reason for <u>not harvesting the whole area planted</u> with %rostertitle%? E cc_74==21	TEXT cc_74_oth ....
CC75A. In which month %rostertitle% was planted?	SINGLE-SELECT cc_75a 01 ○ JANUARY 02 ○ FEBRUARY 03 ○ MARCH 04 ○ APRIL 05 ○ MAY 06 ○ JUNE 07 ○ JULY 08 ○ AUGUST 09 ○ SEPTEMBER 10 ○ OCTOBER 11 ○ NOVEMBER 12 ○ DECEMBER
CC75B. In which week %rostertitle% was planted?	SINGLE-SELECT cc_75b 01 ○ 1ST WEEK 02 ○ 2ND WEEK 03 ○ 3RD WEEK 04 ○ 4TH WEEK
CC76. Did the household replant any part of the field with %rostertitle%?	SINGLE-SELECT cc_76 01 ○ YES 02 ○ NO
CC77A. How much %rostertitle% did the household harvest?	NUMERIC: DECIMAL cc_77a --

CC77B. Unit of measurement E cc_77a>0	SINGLE-SELECT cc_77b 01 ◯ KILOGRAM 02 ◯ 64KG BAG 03 ◯ 50KG BAG 04 ◯ 25KG BAG 05 ◯ 10KG BAG 06 ◯ GRAM 07 ◯ KILOGRAM UNSHELLED 08 ◯ 64KG BAG UNSHELLED 09 ◯ 50KG BAG UNSHELLED 10 ◯ 25KG BAG UNSHELLED 11 ◯ 10 KG BAG UNSHELLED 12 ◯ INDIVIDUAL PLANT 13 ◯ COB/ NUT 14 ◯ BUSHEL
CC78A. Which source of power was used for harvesting and threshing %rostertitle%? E cc_72a>0	MULTI-SELECT cc_78a 01 ☐ MANUAL 02 ☐ BUFFALOES 03 ☐ TWO WHEELS TRACTOR 04 ☐ FOUR WHEELS TRACTOR 05 ☐ TSUNAMI 06 ☐ BHUTHAYA 07 ☐ BAHU BHUTHAYA
CC78B. What was the cost of the machinery used for harvesting and treshing %rostertitle%? I (Rupees) Enumerator: Please ask only about the cost of fuel if the machinery is owned by the household. E cc_78a.ContainsAny(3,4,5,6,7)	NUMERIC: INTEGER cc_78b - SPECIAL VALUES -99 DO NOT KNOW
CC78C. What was the total cost (machinery+labour) for harvesting and treshing %rostertitle%? I (Rupees) E cc_78b==-99	NUMERIC: INTEGER cc_78c - SPECIAL VALUES -99 DO NOT KNOW
CC79A. How many man/days of male <u>household labour</u> were used for harvesting and threshing %rostertitle%? E cc_77a>0	NUMERIC: DECIMAL cc_79a - SPECIAL VALUES 00 HH DID NOT USE MALE HOUSEHOLD LABOUR FOR THE TASK
CC79B. How many man/days of male <u>hired labour</u> were used for harvesting and threshing %rostertitle%? E cc_77a>0	NUMERIC: DECIMAL cc_79b - SPECIAL VALUES 00 HH DID NOT USE MALE HIRED LABOUR FOR THE TASK
CC79A2. How many man/days of female <u>household labour</u> were used for harvesting and threshing %rostertitle%? E cc_77a>0	NUMERIC: DECIMAL cc_79a2 - SPECIAL VALUES 00 HH DID NOT USE FEMALE HOUSE HOLD LABOUR FOR THE TASK

CC79B2. How many man/days of female <u>hired labour were used for harvesting and threshing</u> %rostertitle%? E cc_77a>0	NUMERIC: DECIMAL cc_79b2 -. SPECIAL VALUES 00 HH DID NOT USE FEMALE HIRED LABOUR FOR THE TASK

C.D:ORCHARDS AND HOME GARDENS

E count_gardens>0 || count_orchards>0

STATIC TEXT

<u>*Enumerator:*</u> *Please ask about the crops harvested and/or sold from own production in the home gardens or ochards from October 1st 2017 to September 30th 2018*

CD_FILTER. Did you or anyone in your household <u>cultivate/harvest any crop/perennial in home gardens or in the orchards</u> from October 1st 2017 to Septemebr 30 2018?	SINGLE-SELECT cd_filter 01 ◯ YES 02 ◯ NO

C.D:ORCHARDS AND HOME GARDENS
Roster: ORCHARDS AND HOME GARDENS
generated by list question c_01   gfield

E cd_filter==1 && (c_02==3 || c_02==4)

PCCODE. Please list the crops produced/harvested on the %rostertitle% from October 1st 2017 to Septemebr 30 2018	MULTI-SELECT c_80 01 ☐ MAIZE 02 ☐ COCONUT 03 ☐ MANGO 04 ☐ CASHEW NUT 05 ☐ ORANGE 06 ☐ BANANAS 07 ☐ PINEAPPLE 08 ☐ GUAVAS 09 ☐ LIME 10 ☐ JACK FRUIT 11 ☐ PAPAW 12 ☐ ARECA NUT 13 ☐ CINNAMON 14 ☐ BEETLE 15 ☐ PEPPER 16 ☐ OTHER (SPECIFY)
C80. Specify what crops were produced/harvested on the %rostertitle% from October 1st 2017 to Septemebr 30 2018 E c_80.Contains(16)	TEXT c_80_oth ....

C.D:ORCHARDS AND HOME GARDENS / ORCHARDS AND HOME GARDENS
Roster: GARDEN/ORCHARD ROSTER
generated by multi-select question c_80   gardorch_roster

C81. How many times did the HH <u>planted %rostertitle% from October 1st 2017 to Septemebr 30 2018?</u>	NUMERIC: INTEGER c_81 --------------------------------- . SPECIAL VALUES 00 Planted before August 1st 2017
C82. Did the HH use any irrigation for %rostertitle% from October 1st 2017 to Septemebr 30 2018?	SINGLE-SELECT c_82 01 ◯ YES 02 ◯ NO
C83. What was the main type of irrigation used for %rostertitle% from October 1st 2017 to Septemebr 30 2018? E c_82==1	SINGLE-SELECT c_83 01 ◯ MOTORIZED PUMP 02 ◯ PIPED PUBLIC WATER 03 ◯ WELL/RIVER/STREAM & BUCKET 04 ◯ HAND PUMP OR TREADLE PUMP 05 ◯ IRRIGATION CANAL 06 ◯ OTHER (SPECIFY)
C83. Specify what was the main type of irrigation used for the %rostertitle% from October 1st 2017 to Septemebr 30 2018 E c_83==6	TEXT c_83_oth ....
C84.How many times the %rostertitle% was harvested from October 1st 2017 to Septemebr 30 2018?	NUMERIC: INTEGER c_84 --------------------------------- . SPECIAL VALUES 00 Never harvested
C85A. On average, how much %rostertitle% did the HH harvest each time? E c_84>0	NUMERIC: INTEGER c_85a --------------------------------- .
C85B. Unit of measurement E c_85a>0	SINGLE-SELECT c_85b 01 ◯ KILOGRAM 02 ◯ 64KG BAG 03 ◯ 50KG BAG 04 ◯ 25KG BAG 05 ◯ 10KG BAG 06 ◯ GRAM 07 ◯ KILOGRAM UNSHELLED 08 ◯ 64KG BAG UNSHELLED 09 ◯ 50KG BAG UNSHELLED 10 ◯ 25KG BAG UNSHELLED 11 ◯ 10 KG BAG UNSHELLED 12 ◯ INDIVIDUAL PLANT 13 ◯ COB/ NUT / LEAF /BUNCH / BAIL 14 ◯ BUSHEL
C86. Did the HH sell/ barter any of %rostertitle% harvested from October 1st 2017 to October 31 2018? E c_84>0	SINGLE-SELECT c_86 01 ◯ YES 02 ◯ NO

C87.How many times %rostertitle% was sold/bartered October 1st 2017 to October 31 2018? E c_86==1	NUMERIC: INTEGER c_87 ------------------------------.
C88A. On average, how many %rostertitle% was sold /bartered each time? E c_86==1	NUMERIC: INTEGER c_88a ------------------------------.
C88B. Unit of measurement E c_88a>0	SINGLE-SELECT c_88b 01 ○ KILOGRAM 02 ○ 64KG BAG 03 ○ 50KG BAG 04 ○ 25KG BAG 05 ○ 10KG BAG 06 ○ GRAM 07 ○ KILOGRAM UNSHELLED 08 ○ 64KG BAG UNSHELLED 09 ○ 50KG BAG UNSHELLED 10 ○ 25KG BAG UNSHELLED 11 ○ 10 KG BAG UNSHELLED 12 ○ INDIVIDUAL PLANT 13 ○ COB/ NUT / LEAF /BUNCH / BAIL 14 ○ BUSHEL
C88C. What was the average price per unit of %rostertitle% sold/bartered? I (Rupees per Unit) (The unit used is the same unit indicated at C88B) E c_86==1 && c_88a>0	NUMERIC: INTEGER c_88c ------------------------------.
C89. To whom did the household sell the %rostertitle% from October 1st 2017 to October 31 2018? I Enumerator: Please select multiple buyers if needed E c_86==1 && c_88a>0	MULTI-SELECT c_89 01 ☐ BOUTIQUES IN THE VILLAGE 02 ☐ COLLECTOR IN THE VILLAGE 03 ☐ OUTSIDE COLLECTORS 04 ☐ SUPER MARKET 05 ☐ DEDICATED ECONOMIC CENTRE 06 ☐ VILLAGE FAIR 07 ☐ OUTLET IN THE NEAREST TOWN 08 ☐ DIRECT CUSTOMERS 09 ☐ OTHER (SPECIFY)
C89. Specify to whom the HH has sold the %rostertitle% from October 1st 2017 to October 31 2018 E c_89.Contains(9)	TEXT c_89_0th ....

MODULE D: FERTILIZER ACQUISITION

E c_filter==1

STATIC TEXT

Enumerator: Please ask about the fertilizer acquired or received during from October 1st 2017 to September 30th 2018)

D_FILTER. Did you or anyone in your household acquire fertilizer and/or biomass (compost, manure, etc..) from any source during the period from October 1st 2017 to September 30th 2018?	SINGLE-SELECT d_filter 01 ◯ YES 02 ◯ NO
D21. Did the HH acquire fertilizer from any of these source from October 1st 2017 to September 30th 2018? E d_filter==1	MULTI-SELECT d_21 -99 ☐ NOT APPLICABLE 01 ☐ FERTILIZER SUBSIDY PROGRAM– IN CASH 02 ☐ FERTILIZER SUBSIDY PROGRAM - IN KIND 03 ☐ CASH PURCHASE FROM PRIVATE TRADER/RETAILER 04 ☐ CASH PURCHASE FROM ANOTHER FARMER OR INDIVIDUAL 05 ☐ LOAN PURCHASE FROM PRIVATE TRADER/RETAILER 06 ☐ LOAN PURCHASE FROM OUT-GROWER SCHEME OR OTHERS 07 ☐ DIRECT COMMERCIAL EXCHANGE/BARTER 08 ☐ OTHER HOUSEHOLDS, INSTITUTIONS OR OTHER SOURCES (EXCLUDING) FOOD SECURITY PACK)

MODULE D: FERTILIZER ACQUISITION
Roster: FERTCH_ROSTER
generated by multi-select question d_21   fertch_roster

D31A. How far was the %rostertitle% point of collection from the homestead? E @rowcode!=-99	NUMERIC: INTEGER d_31a - SPECIAL VALUES 00 LESS THAN 1 KM FROM THE HOME STEAD
D31B. Unit of measurement E d_31a!=0 && @rowcode!=-99	SINGLE-SELECT d_31b 01 ◯ KILOMETER 02 ◯ MILE
D41A. How much chemical fertilizer (basal and top dressing) did the HH acquire from %rostertitle% from October 1st 2017 to September 30th 2018? E @rowcode!=-99	NUMERIC: INTEGER d_41a - SPECIAL VALUES 00 HH DOES NOT ACQUIRE BASAL D RESSING FERTILIZER FROM THE S OURCE
D41B. Unit of measurement E d_41a!=0 && @rowcode!=-99	SINGLE-SELECT d_41b 01 ◯ KILOGRAM 02 ◯ 5KG BAG 03 ◯ 25KG BAG 04 ◯ 10KG BAG 05 ◯ 50KG BAG 06 ◯ GRAM

D42A. From October 1st 2017 to September 30th 2018, what <u>price per unit</u> was paid on average by the household at the <u>point of purchase</u> for acquiring the chemical fertilizer (basal and top) from %rostertitle%? I (Rupees per unit) E @rowcode!=-99	NUMERIC: INTEGER d_42a - .
D42B. Unit of measurement E d_42a>0 && @rowcode!=-99	SINGLE-SELECT d_42b 01 ◯ KILOGRAM 02 ◯ 5KG BAG 03 ◯ 25KG BAG 04 ◯ 10KG BAG 05 ◯ 50KG BAG 06 ◯ GRAM
D43A. How far was the %rostertitle% from the homestead? E @rowcode!=-99	NUMERIC: INTEGER d_43a - . SPECIAL VALUES 00 LESS THAN 1 KM FROM THE HOME STEAD
D43B. Unit of measurement E d_43a>0 && @rowcode!=-99	SINGLE-SELECT d_43b 01 ◯ KILOMETER 02 ◯ MILE
D44. How much did the HH spend on average for total transport of chemical fertilizers (basal and top) from the %rostertitle% to the HH's homestead? I (Rupees) Enumerator: If the HH used its own transport ask how much the household would have charged from someone else to transport it? E d_43a!=0 && @rowcode!=-99	NUMERIC: INTEGER d_44 - .
D51. From October 1st 2017 to September 30th 2018, Was the <u>chemical fertilizer</u> from %rostertitle% available in the quantity desired at the time the household needed it in the priod from ? E d_41a!=0 && @rowcode!=-99	SINGLE-SELECT d_51 01 ◯ YES 02 ◯ NO
D22. Did the HH acquire organic biomass (compost manure etc...) from any of these source from October 1st 2017 to September 30th 2018? E d_filter==1	MULTI-SELECT d_22 -99 ☐ NOT APPLICABLE 00 ☐ SELF-PRODUCED 01 ☐ CASH PURCHASE FROM PRIVATE TRADER/RETAILER 02 ☐ CASH PURCHASE FROM ANOTHER FARMER OR INDIVIDUAL 03 ☐ LOAN PURCHASE FROM PRIVATE TRADER/RETAILER 04 ☐ LOAN PURCHASE FROM OUT-GROWER SCHEME OR OTHERS 05 ☐ DIRECT COMMERCIAL EXCHANGE/BARTER 06 ☐ OTHER HOUSEHOLDS, INSTITUTIONS OR OTHER SOURCES (EXCLUDING FOOD SECURITY PACK)

MODULE D: FERTILIZER ACQUISITION
Roster: OFERTCH_ROSTER

D32A. How far was the point of collection from the homestead? E @rowcode!=0 && @rowcode!=-99	NUMERIC: INTEGER d_32a ------------------------------ SPECIAL VALUES 00 LESS THAN 1 KM FROM THE HOME STEAD
D32B. Unit of measurement E d_32a!=0 && @rowcode!=0 && @rowcode!=-99	SINGLE-SELECT d_32b 01 ◯ KILOMETER 02 ◯ MILE
D80. Why did this household <u>not receive subsidized government fertilizer</u> from October 1st 2017 to September 30th 2018? E IsAnswered(d_21) && !d_21.ContainsAny(1,2)	SINGLE-SELECT d_80 01 ◯ NOT ELIGIBLE 02 ◯ COULD NOT MEET THE FO REQUIREMENTS 03 ◯ DIDN'T WANT TO GET SUBSIDY BECAUSE OF LATE DELIVERY 04 ◯ DIDN'T WANT TO GET SUBSIDY FOR OTHER REASONS 05 ◯ DON'T KNOW 06 ◯ UNABLE TO FULFILL THE REQUIREMENTS (PAPER WORKS) 07 ◯ SUBSIDIZED FERTILIZER WAS NOT AVAILABLE 08 ◯ DO NOT HAVE THE FO MEMBERSHIP 09 ◯ SOIL IS FERTILE (DO NOT NEED FERTILIZER) 10 ◯ OTHER (SPECIFY)
D80. Specify the reason for not receiving subsidized government fertilizer from October 1st 2017 to September 30th 2018 E d_80==10	TEXT d_80_oth ....
D81A. Why the household <u>did not purchase</u> synthetic fertilizer from a commercial source from October 1st 2017 to September 30th 2018? E d_21.ContainsAny(0,1,2) && !d_21.ContainsAny(3,4,5,6,7,8)	SINGLE-SELECT d_81a 01 ◯ DID NOT HAVE CASH 02 ◯ IT DID NOT PAY, IT WAS NOT PROFITABLE, IT WAS TOO COSTLY 03 ◯ GOVERNMENT SUBSIDY IS MORE THAN ENOUGH 04 ◯ NOT AVAILABLE IN THE STORES 05 ◯ SOIL IS FERTILE (DO NOT NEED FERTILIZER) 06 ◯ OTHER (SPECIFY)
D81A. Specify the reason for not purchasing fertilizer from October 1st 2017 to September 30th 2018 E d_81a==6	TEXT d_81a_oth ....

D81B. Why the household <u>did not purchase</u> organic fertilizer from a commercial source from October 1st 2017 to September 30th 2018? E `d_22.ContainsAny(0) && !d_22.ContainsAny(1,2,3,4,5,6)`	SINGLE-SELECT d_81b 01 ⃝ DID NOT HAVE CASH 02 ⃝ IT DID NOT PAY, IT WAS NOT PROFITABLE, IT WAS TOO COSTLY 03 ⃝ GOVERNMENT SUBSIDY IS MORE THAN ENOUGH 04 ⃝ NOT AVAILABLE IN THE STORES 05 ⃝ SOIL IS FERTILE (DO NOT NEED FERTILIZER) 06 ⃝ OTHER (SPECIFY)
D81B. Specify the reason for not purchasing fertilizer from October 1st 2017 to September 30th 2018 E `d_81b==6`	TEXT d_81b_oth ....

MODULE E: ACQUISITION OF SEEDS AND/OR PLANTING MATERIALS

E `c_filter==1`

STATIC TEXT

<u>Enumerator</u>: Please ask about the seed acquired or received from October 1st 2017 to September 30th 2018

E_FILTER. Did you or anyone in your household the HH acquire/receive <u>rice and/or maize seeds</u> from any source from October 1st 2017 to September 30th 2018?	SINGLE-SELECT e_filter 01 ⃝ YES 02 ⃝ NO
E01. Did the HH acquire/receive rice and/or maize seeds from any of these sources from October 1st 2017 to September 30th 2018? E `e_filter==1`	MULTI-SELECT e_01 01 ☐ PRIVATE RETAILERS/AGRO-DEALER 02 ☐ SEED COMPANY 03 ☐ AS IN THE AREA 04 ☐ GOVERNMENT FARMER INPUT SUPPORT PROGRAM 05 ☐ OTHER FARMER 06 ☐ OWN HARVEST 07 ☐ OUT-GROWER 08 ☐ LOCAL SEED PRODUCER 09 ☐ FARMER ORGANIZATION 10 ☐ FRIEND OR RELATIVES

MODULE E: ACQUISITION OF SEEDS AND/OR PLANTING MATERIALS
Roster: SEED SOURCES ROSTER
generated by multi-select question e_01   seedch_roster

EO2A. For the largest transaction of rice and maize seeds from %rostertitle% how far from the homestead was the location where the HH got the seed/ planting material?	NUMERIC: INTEGER e_02a - SPECIAL VALUES 00 LESS THAN 1 KM FROM THE HOME STEAD
E02B. Unit of measurement E `e_02a>0`	SINGLE-SELECT e_02b 01 ⃝ KILOMETER 02 ⃝ MILE

E03. What was the nature of the largest transaction of rice and maize seeds from the %rostertitle%?	SINGLE-SELECT e_03
	01 ◯ CASH PURCHASE
	02 ◯ OUT-GROWER LOAN
	03 ◯ SEED RETAILER LOAN
	04 ◯ OTHER LOAN
	05 ◯ BARTER
	06 ◯ GRANT/GIFT/FREE
	07 ◯ FROM OWN HARVEST
E04A. For the largest transaction of rice or maize seeds from the %rostertitle%, what was the cost per unit of the seed/planting material? I (Rupees per unit) E e_03==1	NUMERIC: INTEGER e_04a -
E04B. Unit of measurement E e_04a>0	SINGLE-SELECT e_04b
	01 ◯ KILOGRAM
	02 ◯ 50KG BAG
	03 ◯ 25KG BAG
	04 ◯ 10KG BAG
	05 ◯ GRAM
	06 ◯ BUSHEL
E05A. For the largest transaction, of rice or maize seeds from the %rostertitle%, how much did the HH spend in total for the transport the seed/planting material from the point of sale/barter to the HH's homestead? I (Rupees) Enumerator: If the HH used its own transport ask how much the household would have charged from someone else to transport it? E e_03==1 && e_04a>0	NUMERIC: INTEGER e_05a -

MODULE F: CROP SALES FROM OWN PRODUCTION

E c_filter==1

STATIC TEXT

Enumerator: Please ask about the household's sales and/or the barter of own produced rice from October 1st 2017 to October 31 2018

FRICEFILTER. Did you or anyone in the household sell or barter any rice from its own production from October 1st 2017 to October 31 2018?	SINGLE-SELECT f_ricefilter
	01 ◯ YES
	02 ◯ NO

MODULE F: CROP SALES FROM OWN PRODUCTION
F.1 RICE SALES

E f_ricefilter==1

F22. To whom did the household sell/barter rice from October 1st 2017 to October 31 2018?	MULTI-SELECT: ORDERED f_22
I Enumerator:\<\u\> Please list the sales in order of relevance	01 ☐ SMALL-SCALE TRADER IN THE VILLAGE 02 ☐ LARGE-SCALE TRADER/WHOLESALER 03 ☐ RETAILER/MARKETEER 04 ☐ OTHER HOUSEHOLDS (FOR CONSUMPTION) 05 ☐ DIRECT SALE TO PMB 06 ☐ DIRECTLY TO MILLER/PROCESSOR (DELIVERED TO MILL/PROCESSOR GATE) 07 ☐ INPUT SUPPLIER 08 ☐ OTHER (SPECIFY)
F22. Specify to whom did the household sell or barter rice from October 1st 2017 to October 31 2018 E f_22.Contains(8)	TEXT f_22_oth ....

MODULE F: CROP SALES FROM OWN PRODUCTION / F.1 RICE SALES
Roster: RICE SALES ROSTER
generated by multi-select question f_22   rstrans

F23. In which month did the household sell/barter the rice to/with the %rostertitle%?	MULTI-SELECT f_23
	01 ☐ JANUARY 02 ☐ FEBRUARY 03 ☐ MARCH 04 ☐ APRIL 05 ☐ MAY 06 ☐ JUNE 07 ☐ JULY 08 ☐ AUGUST 09 ☐ SEPTEMBER 10 ☐ OCTOBER 11 ☐ NOVEMBER 12 ☐ DICEMBER
F24A. How much rice did the household sell/barter in total to/with %rostertitle%?	NUMERIC: INTEGER f_24a -
F24B. Unit of measurement E f_24a>0	SINGLE-SELECT f_24b 01 ◯ KILOGRAM 02 ◯ 64KG BAG 03 ◯ 50KG BAG 04 ◯ 25KG BAG 05 ◯ 10KG BAG 06 ◯ GRAM 07 ◯ KILOGRAM UNSHELLED 08 ◯ 64KG BAG UNSHELLED 09 ◯ 50KG BAG UNSHELLED 10 ◯ 25KG BAG UNSHELLED 11 ◯ 10 KG BAG UNSHELLED 14 ◯ BUSHEL

F25A. How far was the point where the rice was sold to %rostertitle% from the household's homestead?	NUMERIC: INTEGER f_25a - . SPECIAL VALUES 00 LESS THAN 1 KM FROM HOMESTEAD
F25B. Unit of measurement E f_25a>0	SINGLE-SELECT f_25b 01 ◯ KILOMETER 02 ◯ MILE
F26A. How much did the HH spend for the total transport of rice from your homestead to %rostertitle%? I (Rupees) Enumerator: If the HH used its own transport ask how much the household would have charged from someone else to transport it? E f_25a>0	NUMERIC: INTEGER f_26a - .
F27A. What was the average price per unit of rice sold to %rostertitle% from October 1st 2017 to October 31 2018? I (Rupees per unit)	NUMERIC: INTEGER f_27a - . SPECIAL VALUES -999 THE TRANSACTION WAS BARTERED
F27B. Unit of measurement E f_27a>0	SINGLE-SELECT f_27b 01 ◯ KILOGRAM 02 ◯ 64KG BAG 03 ◯ 50KG BAG 04 ◯ 25KG BAG 05 ◯ 10KG BAG 06 ◯ GRAM 07 ◯ KILOGRAM UNSHELLED 08 ◯ 64KG BAG UNSHELLED 09 ◯ 50KG BAG UNSHELLED 10 ◯ 25KG BAG UNSHELLED 11 ◯ 10 KG BAG UNSHELLED 12 ◯ INDIVIDUAL PLANT 13 ◯ COB/ NUT 14 ◯ BUSHEL
F28. How many months after the sale did the HH on average received the payment (cash or in-kind) from %rostertitle% from October 1st 2017 to October 31 2018 ? I Add the number of months or select one special value E f_27a!=-999	NUMERIC: INTEGER f_28 - . SPECIAL VALUES 00 PAID WITHIN 1 MONTH -09 PAID BEFORE THE HARVEST -08 NOT YET PAID

STATIC TEXT

Enumerator: Please, ask about crop sales for all crops, excluding rice, and crops cultivated/harvested in orchards or home gardens, from October 1st 2017 to October 31 2018

FCROPFILTER. Did the household sell or barter any <u>other own produced crop excluding rice and crops cultivated/harvested in orchards or home gardens</u> from October 1st 2017 to October 31 2018? I Enumerator: Sales/barter include payments made with crops in exchange for labour and other services	SINGLE-SELECT f_cropfilter 01 ◯ YES 02 ◯ NO

F.2 OTHER CROP SALES

E `f_cropfilter==1`

CROPSTK. Which of these crops was sold or bartered by the household from October 1st 2017 to October 31 2018 ?	MULTI-SELECT cropstk 02 ☐ MAIZE 03 ☐ BLACK GRAM 04 ☐ GROUNDNUT 05 ☐ SOYA BEAN 06 ☐ COWPEA 07 ☐ GREEN GRAM 08 ☐ GINGERLY 09 ☐ FINGER MILLET 10 ☐ CHILIES 11 ☐ LUFFA 12 ☐ LADIES FINGERS 13 ☐ BRINJAL 14 ☐ BITTER GOURD 15 ☐ TOMATO 16 ☐ PUMPKIN 17 ☐ CAPSICUM And 1 other symbols [29]
CROPSTK. Specify what crops was sold or bartered by the household from October 1st 2017 to October 31 2018? E `cropstk.Contains(18)`	TEXT cropstk_oth ....

MODULE F: CROP SALES FROM OWN PRODUCTION / F.2 OTHER CROP SALES
Roster: CROP SALES ROSTER
generated by multi-select question cropstk   cropstk_roster

F32A. What was the total quantity of %rostertitle% sold for cash and/or bartered for goods and/or labour from October 1st 2017 to October 31 2018?	NUMERIC: INTEGER f_32a ------------------------------
F32B. Unit of measurement E `f_32a>0`	SINGLE-SELECT f_32b 01 ○ KILOGRAM 02 ○ 64KG BAG 03 ○ 50KG BAG 04 ○ 25KG BAG 05 ○ 10KG BAG 06 ○ GRAM 07 ○ KILOGRAM UNSHELLED 08 ○ 64KG BAG UNSHELLED 09 ○ 50KG BAG UNSHELLED 10 ○ 25KG BAG UNSHELLED 11 ○ 10 KG BAG UNSHELLED 12 ○ INDIVIDUAL PLANT 13 ○ COB/ NUT / LEAF /BUNCH / BAIL 14 ○ BUSHEL

F33A. What was the quantity of %rostertitle% sold or bartered within the largest transaction from October 1st 2017 to October 31 2018?	NUMERIC: INTEGER	f_33a

I Enumerator: Ask the following questions for the LARGEST cash/barter transaction
E1 `self<=f_32a`
M1 The quantity of of %rostertitle% sold in the largest transaction shoul be smaller or equal of the total quantity sold

---

F33B. Unit of measurement

E `f_33a>0`

SINGLE-SELECT   f_33b

- 01 ◯ KILOGRAM
- 02 ◯ 64KG BAG
- 03 ◯ 50KG BAG
- 04 ◯ 25KG BAG
- 05 ◯ 10KG BAG
- 06 ◯ GRAM
- 07 ◯ KILOGRAM UNSHELLED
- 08 ◯ 64KG BAG UNSHELLED
- 09 ◯ 50KG BAG UNSHELLED
- 10 ◯ 25KG BAG UNSHELLED
- 11 ◯ 10 KG BAG UNSHELLED
- 12 ◯ INDIVIDUAL PLANT
- 13 ◯ COB/ NUT / LEAF /BUNCH / BAIL
- 14 ◯ BUSHEL

F34A. From October 1st 2017 to October 31 2018, in what <u>year</u> did the household sell/barter the largest transaction of %rostertitle%?

SINGLE-SELECT   f_34a

- 01 ◯ 2017
- 02 ◯ 2018

F34B. From October 1st 2017 to October 31 2018, in which <u>month</u> did the household sell/barter the largest transaction of %rostertitle%?

F `f_34a==1 && @optioncode>=9 || f_34a==2 && @optioncode<=10`
E `f_34a.InList(1,2)`

SINGLE-SELECT   f_34b

- 01 ◯ JANUARY
- 02 ◯ FEBRUARY
- 03 ◯ MARCH
- 04 ◯ APRIL
- 05 ◯ MAY
- 06 ◯ JUNE
- 07 ◯ JULY
- 08 ◯ AUGUST
- 09 ◯ SEPTEMBER
- 10 ◯ OCTOBER
- 11 ◯ NOVEMBER
- 12 ◯ DECEMBER

F35. From October 1st 2017 to October 31 2018, to whom did the household sell/barter the largest transaction of %rostertitle%?

SINGLE-SELECT   f_35

- 01 ◯ SMALL-SCALE TRADER IN THE VILLAGE
- 02 ◯ LARGE-SCALE TRADER/WHOLESALER
- 03 ◯ RETAILER/MARKETEER
- 04 ◯ OTHER HOUSEHOLDS (FOR CONSUMPTION)
- 05 ◯ DIRECT SALE TO PMB
- 06 ◯ DIRECTLY TO MILLER/PROCESSOR (DELIVERED TO MILL/PROCESSOR GATE)
- 07 ◯ INPUT SUPPLIER
- 08 ◯ DEDICATED ECONOMIC CENTER
- 09 ◯ OTHER (SPECIFY)

F35. Specify to whom did the household sell or barter the largest transaction of %rostertitle% from October 1st 2017 to October 31 2018 E f_35==9	TEXT f_35_oth ....
F36A. How far from the household's homestead was the point where the largest transaction of %rostertitle% was sold from October 1st 2017 to October 31 2018?	NUMERIC: DECIMAL f_36a - SPECIAL VALUES 00 LESS THAN 1 KM FROM THE HOME STEAD
F36B. Unit of measurement E f_36a>0	SINGLE-SELECT f_36b 01 ◯ KILOMETER 02 ◯ MILE
F37A. How much did the HH spend for the total transport of %rostertitle% from your homestead to the point of sale/barter for the largest transaction? I (Rupees) Enumerator: If the HH used its own transport ask how much t he household would have charged from someone else to transport it? E f_36a>0	NUMERIC: INTEGER f_37a -
F38A. What was the price per unit for the largest cash transaction of %rostertitle%?	NUMERIC: INTEGER f_38a - SPECIAL VALUES -09 The transaction was a barter
F38B. Unit of measurement E f_38a>0	SINGLE-SELECT f_38b 01 ◯ KILOGRAM 02 ◯ 64KG BAG 03 ◯ 50KG BAG 04 ◯ 25KG BAG 05 ◯ 10KG BAG 06 ◯ GRAM 07 ◯ KILOGRAM UNSHELLED 08 ◯ 64KG BAG UNSHELLED 09 ◯ 50KG BAG UNSHELLED 10 ◯ 25KG BAG UNSHELLED 11 ◯ 10 KG BAG UNSHELLED 12 ◯ INDIVIDUAL PLANT 13 ◯ COB/ NUT / LEAF /BUNCH / BAIL 14 ◯ BUSHEL
F39. How many months after the sale of the largest transaction did the HH received the payment for %rostertitle% from October 1st 2017 to October 31 2018?	NUMERIC: INTEGER f_39 - SPECIAL VALUES 00 PAID WITHIN 1 MONTH -08 PAID BEFORE THE HARVEST -09 NOT YET PAID
F40. Did the household grow %rostertitle% under formal contract for the largest transaction from October 1st 2017 to October 31 2018? E @rowcode==2 || @rowcode==5	SINGLE-SELECT f_40 01 ◯ YES 02 ◯ NO

F41. What was the nature of the contract for the largest transaction of %rostertitle% from October 1st 2017 to October 31 2018? E f_40==1	MULTI-SELECT f_41 01 ☐ INPUT 02 ☐ PRICE 03 ☐ EXPERTISE 04 ☐ QUANTITY
F42. Did you receive input or cash in advance through a formal agreement regarding the largest transaction of %rostertitle% from October 1st 2017 to October 31 2018? E f_40==1	SINGLE-SELECT f_42 01 ○ YES 02 ○ NO

MODULE G: LIVESTOCK, POULTRY AND FISH FARMING

STATIC TEXT

Enumerator: Please ask about livestock, poultry and stocked fish ponds that this household raised or owned from October 1st 2017 to September 30th 2018

GFILTER. Did you or anyone in the household raise or own any livestock, poultry or aquaculture from October 1st 2017 to September 30th 2018	SINGLE-SELECT g_filter 01 ○ YES 02 ○ NO
G11. Did the HH own/raise any of these animals from October 1st 2017 to September 30th 2018? E g_filter==1	MULTI-SELECT g_11 01 ☐ BEEF CATTLES 02 ☐ GOATS 03 ☐ PIGS 04 ☐ DAIRY COWS 05 ☐ BUFFALOES 06 ☐ LAYERS 07 ☐ BROILERS 08 ☐ AQUACULTURE 09 ☐ OTHER (SPECIFY)
G11. Specify other type of animal own/raised from October 1st 2017 to September 30th 2018 E cropstk.Contains(9)	TEXT g_11_oth ....

MODULE G: LIVESTOCK, POULTRY AND FISH FARMING
Roster: LIVESTOCK RAISED OR OWNED
generated by multi-select question g_11   lstock

E g_filter==1

G12A. How many %rostertitle% this household was raising as of <u>October 1st 2017</u>?	NUMERIC: INTEGER g_12a - SPECIAL VALUES 00 NONE
G12B. How many %rostertitle% this household was raising as of <u>September 30th 2018</u>?	NUMERIC: INTEGER g_12b - SPECIAL VALUES 00 NONE

G12C. How many %rostertitle% have this household bought from October 1st 2017 to September 30th 2018?	NUMERIC: INTEGER g_12c ------------------------------- . SPECIAL VALUES 00 NONE
G12D. How many %rostertitle% died from October 1st 2017 to September 30th 2018? W1 `g_12a>=g_12b && (self<=(g_12a-g_12b)+g_12c) || g_12a<g_12b && (self<=(g_12b-g_12a)+g_12c)` M1 The number of %rostertitle% died should be less or equal of the difference between %rostertitle% own/raised at the beginning ad the end of period (in absolute value) plus %rostertitle% bought during the entire period.	NUMERIC: INTEGER g_12d ------------------------------- .
G14.For how many months did the household produce from %rostertitle% during the period from October 1st 2017 to September 30th 2018?	NUMERIC: INTEGER g_14 ------------------------------- . SPECIAL VALUES 00 NONE
G14A. What was the average monthly production of %rostertitle%? E `@rowcode!=1 && @rowcode!=3 && @rowcode!=7`	NUMERIC: INTEGER g_14a ------------------------------- . SPECIAL VALUES 00 NONE
G14B. Unit of measurement E `(@rowcode!=1 && @rowcode!=3 && @rowcode!=7) && g_14a>0`	SINGLE-SELECT g_14b 01 ◯ KILOGRAM 02 ◯ LITERS 03 ◯ NO. OF EGGS
G15A. What was the average monthly sales from %rostertitle%'s production? E `@rowcode!=1 && @rowcode!=3 && @rowcode!=7` W1 `g_15a<=g_14a` M1 The quantity sold on average should be smaller or equal than the quantity produced on average	NUMERIC: INTEGER g_15a ------------------------------- . SPECIAL VALUES 00 NONE
G15B. Unit of measurement E `@rowcode!=1 && @rowcode!=3 && @rowcode!=7`	SINGLE-SELECT g_15b 01 ◯ KILOGRAM 02 ◯ LITER 03 ◯ NO. OF EGGS
G16A. What was the average price of the %rostertitle%'s production sales? I (Rupees) E `@rowcode!=1 && @rowcode!=3 && @rowcode!=7`	NUMERIC: INTEGER g_16a ------------------------------- . SPECIAL VALUES 00 NONE
G16B. Unit of measurement E `@rowcode!=1 && @rowcode!=3 && @rowcode!=7`	SINGLE-SELECT g_16b 01 ◯ KILOGRAM 02 ◯ LITER 03 ◯ NO. OF EGGS
G17A. What was the average monthly self-consumption of %rostertitle% production? E `@rowcode!=8`	NUMERIC: INTEGER g_17a ------------------------------- .

G17B. Unit of measurement E @rowcode!=8	SINGLE-SELECT g_17b 01 ○ KILOGRAM 02 ○ LITERS 03 ○ NO. OF EGGS
G18. Did the household <u>sell</u> any %rostertitle% from October 1st 2017 to September 30th 2018 ? E @rowcode!=8	SINGLE-SELECT g_18 01 ○ YES 02 ○ NO
G19. How many %rostertitle% have been sold by the household from October 1st 2017 to September 30th 2018? (Number of %rostertitle%) E g_18==1 && @rowcode!=8 W1 g_19<=g_12b-g_12a-g_12d+g_12c M1 The difference between the animal raised at begining at the end of the p eriod net those bought and died should be greater than animals sold	NUMERIC: INTEGER g_19 - .
G20. What was the average value of %rostertitle% sold from October 1st 2017 to September 30th 2018? I (Rupees per animal) E g_18==1 && @rowcode!=8	NUMERIC: INTEGER g_20 - .

MODULE H: OFF-FARM INCOME AND REMITTANCES

MODULE H: OFF-FARM INCOME AND REMITTANCES
H.1 SALARIED EMPLOYMENT OR INFORMAL WAGE LABOUR ACTIVITIES OR PENSIONS

STATIC TEXT

<u>Enumerator</u>: *Please ask about all household members who have earned income from salaried employment or informal wage labour activities or pensions from October 1st 2017 to September 30th 2018*

These activities include all formal salaried employment and all casual labour for which members were paid cash or an in-kind wage, including agricultural and non-agricultural labour.
They also include the value of any pensions received during the reference period. Do not include income from business activities or food aid for work, which will be captured in other sections.

MODULE H: OFF-FARM INCOME AND REMITTANCES / H.1 SALARIED EMPLOYMENT OR INFORMAL WAGE LABOUR ACTIVITIES OR PENSIONS
Roster: HOUSEHOLD ROSTER
generated by list question b_01

mem_roster2

E b_09==1 || b_09==5 || b_09==8

H10. What were the salaried, wage, and pension activities in which %rostertitle% was involved from October 1st 2017 to September 30th 2018?	MULTI-SELECT h_10
	-99 ☐ NOT APPLICABLE
	01 ☐ AGRICULTURAL LABOUR (NON-SKILLED)
	02 ☐ NON-AGRICULTURAL LABOUR (NON-SKILLED)
	03 ☐ GOVERNMENT EMPLOYMENT
	04 ☐ PRIVATE SECTOR EMPLOYMENT
	05 ☐ SKILLED LABOUR (CARPENTER, MECHANIC, ETC...)
	06 ☐ SELF-EMPLOYED
	07 ☐ FOREIGN EMPLOYMENT
	08 ☐ OTHER (SPECIFY)

H10. Specify the other salaried, wage, and pension activity from October 1st 2017 to September 30th 2018 E h_10.Contains(8)	TEXT h_10_oth ....

MODULE H: OFF-FARM INCOME AND REMITTANCES / H.1 SALARIED EMPLOYMENT OR INFORMAL WAGE LABOUR ACTIVITIES OR PENSIONS / HOUSEHOLD ROSTER

Roster: OFF-FARM INCOME AND REMITTANCES ROSTER
generated by multi-select question h_10   off_farm

E !h_10.Contains(0)

H11A. How much cash wages did Household member receive in Septmber 2018 from %rostertitle%? I (Rupees) E @rowcode!=-99	NUMERIC: INTEGER h_11a ---------------------------------.
H11B. Did the HH member receive the same cash wages every month from %rostertitle% during the period from October 1st 2017 to September 30th 2018? E @rowcode!=-99	SINGLE-SELECT h_11b 01 ◯ YES 02 ◯ NO
H12A. In October 2017, how much cash wages did the HH member receive from %rostertitle%? I (Rupees) E h_11b==2 && @rowcode!=-99	NUMERIC: INTEGER h_12a ---------------------------------. SPECIAL VALUES 00 NO CASH WAGE DURING THIS MONTH
H12B. In November 2017, how much cash wages did the HH member receive from %rostertitle%? I (Rupees) E h_11b==2 && @rowcode!=-99	NUMERIC: INTEGER h_12b ---------------------------------. SPECIAL VALUES 00 NO CASH WAGE DURING THIS MONTH
H12C. In December 2017, how much cash wages did the HH member receive from %rostertitle%? I (Rupees) E h_11b==2 && @rowcode!=-99	NUMERIC: INTEGER h_12c ---------------------------------. SPECIAL VALUES 00 NO CASH WAGE DURING THIS MONTH

H12D. In January 2018, how much cash wages did the HH member receive from %rostertitle%? I (Rupees) E h_11b==2 && @rowcode!=-99	NUMERIC: INTEGER ------------------------------ SPECIAL VALUES 00 NO CASH WAGE DURING THIS MONTH	h_12d
H12E. In February 2018, how much cash wages did the HH member receive from %rostertitle%? I (Rupees) E h_11b==2 && @rowcode!=-99	NUMERIC: INTEGER ------------------------------ SPECIAL VALUES 00 NO CASH WAGE DURING THIS MONTH	h_12e
H12F. In March 2018, how much cash wages did the HH member receive from %rostertitle%? I (Rupees) E h_11b==2 && @rowcode!=-99	NUMERIC: INTEGER ------------------------------ SPECIAL VALUES 00 NO CASH WAGE DURING THIS MONTH	h_12f
H12G. In April 2018, how much cash wages did the HH member receive from %rostertitle%? I (Rupees) E h_11b==2 && @rowcode!=-99	NUMERIC: INTEGER ------------------------------ SPECIAL VALUES 00 NO CASH WAGE DURING THIS MONTH	h_12g
H12H. In May 2018, how much cash wages did the HH member receive from %rostertitle%? I (Rupees) E h_11b==2 && @rowcode!=-99	NUMERIC: INTEGER ------------------------------ SPECIAL VALUES 00 NO CASH WAGE DURING THIS MONTH	h_12h
H12I. In June 2018, how much cash wages did the HH member receive from %rostertitle%? I (Rupees) E h_11b==2 && @rowcode!=-99	NUMERIC: INTEGER ------------------------------ SPECIAL VALUES 00 NO CASH WAGE DURING THIS MONTH	h_12i
H12L. In July 2018, how much cash wages did the HH member receive from %rostertitle%? I (Rupees) E h_11b==2 && @rowcode!=-99	NUMERIC: INTEGER ------------------------------ SPECIAL VALUES 00 NO CASH WAGE DURING THIS MONTH	h_12l
H12M. In August 2018, how much cash wages did the HH member receive from %rostertitle%? (Rupees) I (Rupees) E h_11b==2 && @rowcode!=-99	NUMERIC: INTEGER ------------------------------ SPECIAL VALUES 00 NO CASH WAGE DURING THIS MONTH	h_12m

H12N. In September 2018, how much cash wages did the HH member receive from %rostertitle%?	NUMERIC: INTEGER	h_12n
I (Rupees) E h_11b==2 && @rowcode!=-99	- . SPECIAL VALUES 00 NO CASH WAGE DURING THIS MO NTH	

MODULE H: OFF-FARM INCOME AND REMITTANCES
H.2 CASH & COMMODITIES RECEIVED BY HOUSEHOLD FROM OTHERS

STATIC TEXT

Enumerator: Please ask about cash, food and non-food commodities received by any member of this household from another person/household or organization from October 1st 2017 to September 30th 2018

H21. Did any household member receive any cash from one of these source from October 1st 2017 to September 30th 2018? I Enumerator: Include all food aid for work Do NOT include cash or in-kin d payments received for service or labor (this is covered in other section s).	MULTI-SELECT	h_21
	-99 ☐ NOT APPLICABLE 01 ☐ SAMURDHI (GOVERNMENT SOCIAL SECURITY PROGRAM) 02 ☐ DAMAGE PAYMENTS FOR CROP LOSS 03 ☐ NON-RESIDENT FAMILY MEMBERS OR RELATIVES (NOT LISTED IN HH ROSTER) 04 ☐ UNRELATED HOUSEHOLDS 05 ☐ LOCAL COMMUNITY ORGANIZATION/ NGO (EXCLUDE FOOD AID) 06 ☐ FOOD AID (FOR FREE OR FOR WORK) 07 ☐ DRY RATIONS AND NUTRITION PACKS TO PREGNANT WOMEN 08 ☐ OTHER (SPECIFY)	
H21. Specify the source from which source anyone in the household receive any cash from October 1st 2017 to September 30th 2018 E h_21.Contains(8)	TEXT	h_21_oth

MODULE H: OFF-FARM INCOME AND REMITTANCES / H.2 CASH & COMMODITIES RECEIVED BY HOUSEHOLD FROM OTHERS
Roster: INCOME SOURCE ROSTER
generated by multi-select question h_21

cashrec

H22. What was the total amount of cash in Rupees received from %rostertitle% by all the members of the household from October 1st 2017 to September 30th 2018? I (Rupees) E @rowcode!=-99	NUMERIC: INTEGER - .	h_22
H23. Did any household member receive any <u>rice, non-food items or other commodities</u> from %rostertitle% from October 1st 2017 to September 30th 2018 ? E @rowcode!=-99	SINGLE-SELECT 01 ◯ YES 02 ◯ NO	h_23

H24. What was the total <u>value</u> of the rice/food received in-kind from %rostertitle% by all the members of the household from October 1st 2017 to September 30th 2018? (Rupees) E h_23==1 && @rowcode!=-99	NUMERIC: INTEGER h_24 - . SPECIAL VALUES 00 THE HOUSEHOLD DID NOT RECEIV E RICE/FOOD FROM THE SOURCE
H25.What was the total <u>value</u> of the other non-food commodities received in-kind from %rostertitle% by all the members of the household from October 1st 2017 to September 30th 2018? I (Rupees) E h_23==1 && @rowcode!=-99	NUMERIC: INTEGER h_25 - . SPECIAL VALUES 00 THE HOUSEHOLD DID NOT RECEIV E NON-FOOD COMMODITIES FROM THE SOURCE

MODULE I: RURAL LOANS/CREDIT/INSURANCE

MODULE I: RURAL LOANS/CREDIT/INSURANCE
I.1 LOANS/CREDIT TO SUPPORT AGRICULTURAL PRODUCTION AND ACCESS TO CREDIT

STATIC TEXT

<u>Enumerator</u>: Please ask about any loans/credit/insurance the household may have received to support agricultural production from October 1st 2017 to September 30th 2018

IFILTER. Did the household receive <u>loans/credit to support agricultural production</u> from October 1st 2017 to September 30th 2018?	SINGLE-SELECT i_filter 01 ◯ Yes 02 ◯ No
I01. Did any member of the household borrow money or obtain a loan/credit (cash or in-kind) from any of these sources to support agricultural production from October 1st 2017 to September 30th 2018? E i_filter==1	MULTI-SELECT: YES/NO i_01 01 ☐ / ☐ GOVERNMENT-RUN PROGRAM 02 ☐ / ☐ GOVERNMENT BANK 03 ☐ / ☐ PRIVATE BANK 04 ☐ / ☐ SAMURDHI BANK 05 ☐ / ☐ FARMER ORGANIZATION 06 ☐ / ☐ MICRO CREDIT INSTITUTION / COMMUNITY CREDIT SCHEME 07 ☐ / ☐ OUT-GROWER SCHEME 08 ☐ / ☐ INFORMAL MONEYLENDER 09 ☐ / ☐ TRADERS 10 ☐ / ☐ FRIEND/RELATIVE 11 ☐ / ☐ GOLD PAWNING 12 ☐ / ☐ COMPANY LEASING EQUIPMENT TO OWN (E.G. RENT TO OWN) 13 ☐ / ☐ OTHER (SPECIFY)
I01. Specify the other source of loan/credit from which any member of your household borrow money or obtain a loan/credit (cash or in-kind) to support agricultural production from October 1st 2017 to September 30th 2018 E i_01.Yes.Contains(13)	TEXT i_01_oth ....

MODULE I: RURAL LOANS/CREDIT/INSURANCE / I.1 LOANS/CREDIT TO SUPPORT AGRICULTURAL PRODUCTION AND ACCESS TO CREDIT
Roster: SOURCE OF LOAN/CREDIT
generated by multi-select question i_01

lna_roster

I02. Which type of loan/credit did the household obtain from %rostertitle% to support agriculture production?	SINGLE-SELECT i_02
	01 ◯ CULTIVATION LOAN
	02 ◯ LOANS FOR ANIMAL HUSBANDRY
	03 ◯ HOUSING LOANS
	04 ◯ PRIVATE LOANS
	05 ◯ DISTRESS LOANS
	06 ◯ VEHICLE LOANS
	07 ◯ MORTGAGE LOANS
	08 ◯ OTHER (SPECIFY)
IO2. Specify the type of loan/credit obtained from %rostertitle%? E i_02==8	TEXT i_02oth ┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄
I03. What was the value of the loan/credit obtaine from %rostertitle% excluding interest? I (Rupees)	NUMERIC: INTEGER i_03 ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ .
I04A. What was the interest rate paid for the loan/credit to %rostertitle%? I (Percentage per annum)	NUMERIC: INTEGER i_04a ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ . SPECIAL VALUES 00 NO INTEREST -99 DON'T KNOW
I04B. How much should be repaid for the loan from %rostertitle%? I (Rupees) E i_04a==-99	NUMERIC: INTEGER i_04b ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ . SPECIAL VALUES -99 DON'T KNOW
I05. What main type of collateral did your household use to obtain this loan/credit from %rostertitle%?	SINGLE-SELECT i_05
	00 ◯ N0NE
	01 ◯ LAND TITLE
	02 ◯ FARM IMPLEMENTS/ EQUIPMENT
	03 ◯ VEHICLE
	04 ◯ HOUSE
	05 ◯ ANIMALS
	06 ◯ BANK ACCOUNT
	07 ◯ SALARY
	08 ◯ MEMBERSHIP IN A CLUB/ COMMUNITY GROUP/ COOPERATIVE
	09 ◯ JELEWERY
	10 ◯ OTHER HOUSEHOLD ASSETS (SPECIFY)

MODULE I: RURAL LOANS/CREDIT/INSURANCE
I.2 PARTICIPATION IN LOCAL AGRICULTURE OR CREDIT/INSURANCE ORGANIZATIONS

STATIC TEXT

Enumerator: Please ask if the household has EVER participated in local agriculture organization or/and credit-related organizations or/and insurance schemes

I08. Are/had been any of these the position covered by any household member within the organization?	MULTI-SELECT: YES/NO i_08 01 ☐ / ☐ PRESIDENT 02 ☐ / ☐ SECRETARY 03 ☐ / ☐ TREASURER 04 ☐ / ☐ JALAPALAKA 06 ☐ / ☐ TRACK REPRESENTATIVE
I09. Is/was anyone in this household a member of a <u>women's group/organization</u>?	SINGLE-SELECT i_09 01 ◯ YES 02 ◯ NO
I10. Is/was anyone in this household a member of a <u>local savings and loan society</u>?	SINGLE-SELECT i_10 01 ◯ YES 02 ◯ NO
I11. Is/was anyone in this household <u>registered to a crop insurance scheme</u>?	SINGLE-SELECT i_11 01 ◯ YES 02 ◯ NO
I12. Is/was anyone in the household been insured about the crop by any of the following sources? E i_11==1	MULTI-SELECT: YES/NO i_12 01 ☐ / ☐ GOVERNMENT INSURANCE SCHEME 02 ☐ / ☐ GOVERNMENT INSURANCE COMPANIES 03 ☐ / ☐ PRIVATE INSURANCE COMPANIES 04 ☐ / ☐ OTHER (SPECIFY)
I12. Specify the source who is/was insuring anyone within the household E i_12.Yes.Contains(4)	TEXT i_12_oth ....

MODULE J: AGRICULTURAL INFORMATION AND AGRICULTURAL SERVICES

MODULE J: AGRICULTURAL INFORMATION AND AGRICULTURAL SERVICES
J.1 ADVICE/INFORMATION PROVISION

STATIC TEXT

<u>Enumerator</u>: Please ask if any member of the household has <u>EVER</u> received the advice/information related to the agriculture production from organizations, private agents or individual farmers.

JFILTER. Has any member of the household <u>EVER</u> received advice/information related to the agriculture production from organizations, private agents or individual farmers?	SINGLE-SELECT j_filter 01 ◯ YES 02 ◯ NO

J01.On which of the following topic did anyone in the household <u>EVER</u> receive information/advice from organizations, private agents or individual farmers? E j_filter==1	MULTI-SELECT: YES/NO j_01
	01 ☐ / ☐ IMPROVED SEEDS
	02 ☐ / ☐ FERTILIZER
	03 ☐ / ☐ PEST AND DISEASE CONTROL
	04 ☐ / ☐ PESTICIDE USAGE
	05 ☐ / ☐ NEW CULTIVATION TECHNOLOGIES
	06 ☐ / ☐ IMPROVED WATER MANAGEMENT (AWD AND/OR SRI)
	07 ☐ / ☐ INTEGRATED PEST MANAGEMENT (IPM)
	08 ☐ / ☐ ORGANIC AGRICULTURE
	09 ☐ / ☐ MARKETING
	10 ☐ / ☐ CONSERVATION FARMING
	11 ☐ / ☐ PRICE INFORMATION
	12 ☐ / ☐ SEASONAL WEATHER INFORMATION
	13 ☐ / ☐ CONTROL WILD ANIMAL ATTACK
	14 ☐ / ☐ OTHER (SPECIFY)
J01. Specity other advice/information received from organizations, private agents or individual farmers E j_01.Yes.Contains(14)	TEXT j_01_oth ┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄

MODULE J: AGRICULTURAL INFORMATION AND AGRICULTURAL SERVICES / J.1 ADVICE/INFORMATION PROVISION
Roster: TYPE OF ADVICE/INFORMATION
generated by multi-select question j_01   srcode

E j_filter==1

J02. Who was the <u>most important supplier or organizer</u> of advice/information about %rostertitle%?	SINGLE-SELECT j_02
	01 ◯ AGRICULTURAL INSTRUCTOR
	02 ◯ AGRICULTURAL OFFICERS
	03 ◯ DEVELOPMENT OFFICERS
	04 ◯ AGRICULTURE RESEARCH AND PRODUCTION AND ASSISTANT (ARPA)
	05 ◯ FARMER ORGANIZATIONS
	06 ◯ NGOS
	07 ◯ TRADERS
	08 ◯ PRIVATE COMPANIES
	09 ◯ RELATIVES/ NEIGHBORING FARMERS
	10 ◯ OTHER (SPECIFY)
J02. Specify who was the <u>most important supplier or organizer</u> of advice/information about %rostertitle%? E j_02==10	TEXT j_02_oth ┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄

J03. What was the main channel through which anyone in the household has received advice/information about %rostertitle%?	SINGLE-SELECT	j_03
	01 ○ INFORMAL CONVERSATION	
	02 ○ TV OR RADIO PROGRAM	
	03 ○ NEWSPAPER	
	04 ○ WORKSHOP	
	05 ○ FIELD DAY	
	06 ○ DEMONSTRATION PLOT	
	07 ○ VISIT	
	08 ○ MEETING	
	09 ○ TRAINING PROGRAMME	
	10 ○ OTHER (SPECIFY)	

J03. Specify the main channel through which anyone in the household <u>has received</u> advice/information about %rostertitle%? E j_03==10	TEXT j_03_oth ┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄

MODULE J: AGRICULTURAL INFORMATION AND AGRICULTURAL SERVICES
J.2 DISTANCES TO KEY AGRICULTURAL SERVICES

STATIC TEXT

<u>Enumerator</u>: Please ask what was the distance from the following key agricultural services from October 1st 2017 to Septmenber 30th 2018

MODULE J: AGRICULTURAL INFORMATION AND AGRICULTURAL SERVICES / J.2 DISTANCES TO KEY AGRICULTURAL SERVICES
Roster: KEY AGRICULTURAL SERVICES
generated by fixed list   keyserv

01 AGRARIAN SERVICES CENTRE

02 TARMAC/TARRED ROAD

03 PRIVATE FERTILISER RETAILER (DURING THE FERTILISER SELLING SEASON)

04 ESTABLISHED MARKET PLACE WITH MANY BUYERS & SELLERS OF LOCALLY-PRODUCED AGRICULTURAL PRODUCTS

05 FEEDER ROAD

06 POINT WHERE YOU CAN RECEIVE MOBILE CELL PHONE NETWORK SERVICES

07 AGRO-DEALER (PERMANENT)

08 AGRICULTURAL RESEARCH AND PRODUCTION ASSISTANT (ARPA) OFFICE

09 POINT WHERE YOU CAN SELL LIVESTOCK/LIVESTOCK PRODUCTS TO PRIVATE BUYERS

10 VETERINARY SERVICE CENTRE

11 SELLER OF VETERINARY PRODUCTS

12 BASIC SCHOOL

13 CLINIC/HEALTH CENTER

14 BOREHOLE / PIPED WATER SOURCE

15 ELECTRICITY SUPPLY

J21A. How far was the <u>nearest</u> %rostertitle% from the homestead from October 1st 2017 to Septmenber 30th 2018?	NUMERIC: DECIMAL j_21a ┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄ SPECIAL VALUES -099 DO NOT KNOW 000 LESS THAN 1 KM FROM HOMESTEAD -999 NOT APPLICABLE

J21B. Unit of measurement	SINGLE-SELECT	j_21b
E j_21a>0	01 ○ KILOMETER 02 ○ MILE	

J22A. What was the <u>mode of transport most commonly used</u> by anyone in the household to reach %rostertitle% from October 1st 2017 to Septmenber 30th 2018? E @rowcode.InList(1,2,3,4,5) && j_21a>0	MULTI-SELECT	j_22a
	00 ☐ NEVER BEEN 01 ☐ WALKING 02 ☐ BICYCLE 03 ☐ MOTORIZED TRANSPORT 04 ☐ PUBLIC TRANSPORT 05 ☐ COMBINATION OF MODES	

J22B. <u>How long</u> was the travel to %rostertitle% with <u>mode of transport most commonly used</u> from October 1st 2017 to Septmenber 30th 2018 ? E @rowcode.InList(1,2,3,4,5) & j_21a>0	NUMERIC: INTEGER	j_22b
	- .	

J22C. Unit of measurement	SINGLE-SELECT	j_22c
E @rowcode.InList(1,2,3,4,5) & j_21a>0	01 ○ MINUTE 02 ○ HOUR	

MODULE K: HOUSEHOLD ASSETS / IMPLEMENTS

STATIC TEXT

<u>Enumerator</u>: Please ask about the type and number of assets or implements owned by the household as at October 1st 2017

MODULE K: HOUSEHOLD ASSETS / IMPLEMENTS
K.1 ASSET OWNED

K01. Did the household <u>own any of these asset</u> as at October 1st 2017?	MULTI-SELECT: YES/NO	k_01
	01 ☐ / ☐ BUFFALOES -DRAWN PLOUGH 02 ☐ / ☐ DISC PLOUGH 03 ☐ / ☐ HARROWS 04 ☐ / ☐ SEEDERS 05 ☐ / ☐ RIDGER/ WEEDER 06 ☐ / ☐ TRANSPLANTER 07 ☐ / ☐ TWO WHEELS TRACTOR 08 ☐ / ☐ FOUR WHEELS TRACTORS 09 ☐ / ☐ HAND DRIVEN TRACTOR 10 ☐ / ☐ COMBINE HARVESTER 11 ☐ / ☐ TSUNAMI 12 ☐ / ☐ WATER PUMP / TREADLE PUMP 13 ☐ / ☐ OTHER IRRIGATION EQUIPMENT (E.G., IRRIGATION PIPES) 14 ☐ / ☐ KNAPSACK SPRAYER 15 ☐ / ☐ BOOM SPRAYER 16 ☐ / ☐ BOATS/CANOES And 12 other symbols [30]	

STATIC TEXT

<u>Enumerator</u>: Please ask about the charcateristics of the dwelling in which the household used to live as at October 1st 2017

K.2 CHARACTERISTICS OF DWELLING

K201. What was the tenure type of the house as at October 1st 2017?	SINGLE-SELECT k_201 01 ◯ OWNED BY FAMILY 02 ◯ RENT/LEASE 03 ◯ SHARING BASIS 04 ◯ RENT FREE/ NOT OWNED BY HH 05 ◯ OTHER (SPECIFY)
K201. Specify the tenure type of the house as at October 1st 2017 E k_201==5	TEXT k_201_oth --
K202. Who was the owner of the house as at October 1st 2017? E k_201==1	SINGLE-SELECT: LINKED k_202
K203. What was the house's status as at October 1st 2017? E k_201<4	SINGLE-SELECT k_203 01 ◯ PERMANENT 02 ◯ TEMPORARY
K204. What was the house condition as at October 1st 2017? E k_203==1	SINGLE-SELECT k_204 01 ◯ FULLY COMPLETED 02 ◯ UNDER CONSTRUCTION
K205. What was the stage of construction as at October 1st 2017? E k_204==2	SINGLE-SELECT k_205 01 ◯ JUST STARTED 02 ◯ FOUNDATION COMPLETED 03 ◯ COMPLETED CONSTRUCTION OF WALLS 04 ◯ ROOF COMPLETED 05 ◯ DOORS /WINDOWS (COMPLETED/ HALF COMPLETED) 06 ◯ PLASTERING (COMPLETED/ HALF COMPLETED)
K206. What was the material of the floor as at October 1st 2017?	SINGLE-SELECT k_206 01 ◯ MUD 02 ◯ CEMENT 03 ◯ TILE 04 ◯ CONCRETE 05 ◯ OTHER (SPECIFY)
K2016. Specify what was the floor's material as at October 1st 2017 E k_206==5	TEXT k_206_oth --
K207. What was the material of the walls as at October 1st 2017?	SINGLE-SELECT k_207 01 ◯ MUD 02 ◯ BRICKS 03 ◯ WOODEN PLANKS 04 ◯ METAL SHEETS 05 ◯ CADJAN/PALMYRAH 06 ◯ OTHER (SPECIFY)

K207. Specify the walls'material as at October 1st 2017 E k_207==6	TEXT k_207_oth ---
K208. What is the material of the roof as at October 1st 2017?	SINGLE-SELECT k_208 01 ○ TILE 02 ○ ASBESTOS 03 ○ METAL SHEET 04 ○ CADJAN/PALMYRAH 05 ○ STRAW/ GRASSES 06 ○ OTHER (SPECIFY)
K08. Specify the roof's material as at October 1st 2017 E k_208==6	TEXT k_208_oth ---
K209A. What was the area of the house as at October 1st 2017?	NUMERIC: INTEGER k_209a -
K209B. Unit of measurement E k_209a>0	SINGLE-SELECT k_209b 01 ○ SQUARED FOOT 02 ○ SQUARED METER
K211. Where was the kitchen located as at October 1st 2017?	SINGLE-SELECT k_211 01 ○ Inside the house 02 ○ Outside the house
K212. What was the main source of lighting as at October 1st 2017?	SINGLE-SELECT k_212 01 ○ ELECTRICITY 02 ○ KEROSENE 03 ○ SOLAR POWER 04 ○ OTHER (SPECIFY)
K212. Specify the source of lighting as at October 1st 2017 E k_212==4	TEXT k_212_oth ---
K213. What was the main source of cooking fuel as at October 1st 2017?	SINGLE-SELECT k_213 01 ○ FIRE WOOD 02 ○ ELECTRICITY 03 ○ KEROSENE 04 ○ GAS 05 ○ SAW DUST 06 ○ OTHER (SPECIFY)
K213.Specificy the source of cooking fuel as at October 1st 2017? E k_213==6	TEXT k_213_oth ---
K214. What was the type of toilet facilities as at October 1st 2017?	SINGLE-SELECT k_214 01 ○ WATER SEAL (SQUATTING PAN) 02 ○ WATER SEAL (COMMODE) 03 ○ TEMPORARY PIT 04 ○ DIRECT PIT 05 ○ NO TOILETS

K215. Where was the water sealed toilet located as at October 1st 2017? E k_214==1 || k_214==2	SINGLE-SELECT k_215 01 ◯ INSIDE THE HOUSE 02 ◯ OUTSIDE THE HOUSE
K216. What was the main source of drinking water as at October 1st 2017?	SINGLE-SELECT k_216 01 ◯ DOMESTIC WELL 02 ◯ PIPE-BORNE WATER/NWSDB/CWSSP 03 ◯ BOTTLED WATER 04 ◯ SOLD PURIFIED WATER 05 ◯ OTHER (SPECIFY)
K216. Specify the source of drinking water as at October 1st 2017 E k_216==5	TEXT k_216_oth ....

QUESTIONNAIRE WRAP-UP

Please record the date and time of the interview end	DATE: CURRENT TIME Intv_End ....
COMMENTS ON INTERVIEW. REMEMBER THESE ARE THE ONLY COMMENTS THAT WILL BE EXPORTED TO THE SURVEY MANAGEMENT TEAM SO ALL IMPORTANT NOTES MUST BE RECORDED HERE. I If you don't have any comment, please type NONE in the given space	TEXT comment ....

APPENDIX A — VALIDATION CONDITIONS AND MESSAGES

[1] gps: <u>Enumerator</u>: Please, record the current household's location by taking geo-reference at the front door or main entrance of structure.
Validation Condition:

```
/*

Check whether coordinates fall within a rectangele that outlines Ethiopia

If boundaries are not known, there are several tools for finding them.
Wikipedia has a list:

https://en.wikipedia.org/wiki/List_of_countries_by_northernmost_point
https://en.wikipedia.org/wiki/List_of_countries_by_southernmost_point
https://en.wikipedia.org/wiki/List_of_countries_by_easternmost_point
https://en.wikipedia.org/wiki/List_of_countries_by_westernmost_point

Google Maps provides tools as well:
https://developers.google.com/maps/documentation/javascript/examples/rectangle-event

ArcMap tool: Data Managment Tool>Features>Minimum Bounding Geometry
then use the "Feature to Points" command to extract the vertices points and after having saved data as layers use
"Add XY Coordinates" to have the four limits
*/

self.InRectangle(
    8.966363996701148,  // north
    79.863383317386251,    // west
    7.703477163040702,  // south
    81.189222341737718   // east
    )
```

Validation Message: The coordinates are out of the district boundaries. Please check the GPS setting and if the GPS is not accurate please record the coordinate manually using another support (cell phone).

[2] b_03: B03. What is the <u>relationship</u> of %rostertitle% to the <u> current</u> household head?
Validation Condition:

```
/*-------------------------------------
Validation to make sure only one person is
reported to be the household head
-------------------------------------*/
self==1? /// Is this person the household head?
 /// If household head, check that there has
 /// not been another household head reported
 (mem_roster.Count(x=>x.b_03==1)==1)
 /// If not a household head, then no error
 :true
```

Validation Message: There must be only one person in the household designated as head.
Validation Condition:

```
/* Check that head has different gender than spouse(s) */

// if head is current person, and does at least one spouse exist?
self==1 && mem_roster.Any(x=>x.b_03==2) ?

// if so, check that there is no spouse with a gender different than that of the head
!( mem_roster.Any(a=>a.b_03==2 && a.b_02!=null && a.b_02==b_02) ) :

// if not, no problem
true
```

Validation Message: The head and his/her spouse typically have different genders. Please confirm.
Validation Condition:

```
/* Check that spouse has different gender than head */

// if head is current person, and does at least one spouse exist?
b_03==2 && mem_roster.Any(x=>x.b_03==1) ?

// if so, check whether spouse has different gender than head
!( mem_roster.Any(b=>b.b_03==1 && b.b_02!=null && b.b_02==b_02) ) :

// if not, no problem
true
```

Validation Message: Spouse typically has a different genders than his/her spouse (the head of household). Please confirm.
Validation Condition:

```
/* Checks if no household head was listed.
Note: this runs at the end so it does not trigger errors constantly */

// Check that all information has been filled
mem_roster.All(x=>x.b_03!=null) ?
  // If all information has been filled out, check for a head was listed
  !(mem_roster.Count(x=>x.b_03==1)==0) :
true
```

Validation Message: No household member was identified as the household head. Please confirm.

APPENDIX B — INSTRUCTIONS

[1] a_01: A01. Name of Household Head

Enumerator: Please note that a household may be a one-person household or a multi person household. A one-person household is a unit where a person lives by himself and makes separate provision for his food, either cooking himself or purchasing. A multi person household is a group of two or more persons who lives together and has a common arrangement for cooking and partaking food. Boarders and servants who share the meals and housing facilities with other members of the household are also considered as members of the household. Lodgers of a household, who have their own separate arrangements for meals are considered as a separate household. Head of a household is a person who usually resides in the household and is acknowledged by the other members of the household as the head of the household

[2] a_02: A02. Name of Main Respondent

Enumerator:<\u> Please note that the questionnaire is preferably to be administered to the member who is actively involved in agricultural activities. In most of the occasions, the main respondent could be the head of the household. If the main respondent or head of the household is not available at the time of the interview, the spouse or another knowledgeable person on agricultural operations that have done by the household in the reference period should be the main respondent. The main respondent is free to consult other members of the household to answer any questions.

APPENDIX C — CATEGORIES

[1] **asc: Agrarian Services Center Area**
Categories: 1：Padavi parakkramapura, 2：Medawachchiya, 3：Ethakada, 4：Poonewa, 5：Elayapattuwa, 6：Gambirisgaswewa, 7：Kahatagasdigiliya, 8：Konwewa, 9：Galenbidunuwewa, 10：Yakalla, 11：Siwalakulama, 12：Anuradhapura, 13：Nochchiyagama, 14：Ranorawa, 15：Thabuththegama, 16：Thirappane, 17：Muriyakadawela, 18：Palugaswewa, 20：Negampaha

[2] **gn: Grama Niladhari Division**
Categories: 7103010：Elkibulagala, 7103015：Abayapura, 7103030：B yaya, 7103045：Balayawewa, 7103075：Padaviya, 7103005：Buddangala, 7103070：Bogahawewa, 7109125：Yakawewa, 7109130：Thammenna elawaka, 7109020：Puhubevila, 7109015：Lolugaswewa, 7109025：Hiralugama, 7109030：Ethkada, 7109080：Kidagale gama, 7109010：Parana Halmillewa, 7109075：Maha Diwl Wawa, 7115200：Ulukkulama, 7115030：Maha Ehatu Wawa, 7115055：304 Galkadawala, 7115025：305 Galpoththegama, 7115005：306 Halabagaswewa, 7115010：308 Asirikkagama, 7115015：309 Gambirisgaswewa, 7121130：Kohobagaskada, 7121185：Nelugollakada, 7121160：Halmillewa, 7121040：233 kiriibbewa, 7121045：235 galkandagama, 7121200：199 rathmale, 7121060：209 Kumbukgollewa, 7121065：210 Padarellawa, 7121155：Tikkampothana, 7121165：218 Weligollewa, 7127075：Galenbidunuwewa, 7127065：Mailagaswewa, 7127140：Janasirigama, 7127030：Kokawewa, 7127175：187 Ihala galkulama, 7127200：Maanankattiya, 7127170：Muriyakadawala, 7127120：Siwalakulama, 7127205：Wannankulama, 7133110：Kawarakkulama, 7133005：Nuwara Wawa, 7133115：MahaPaladikulama, 7133030：Kuda Nelumkulama, 7133025：Nelumkanniya, 7133020：Thariyankulama, 7133135：Wanniyankulama, 7133040：Thammannapura, 7133146：Wanniyankulama 2, 7139180：354 Oththappuwa, 7139160：248 Amunukula, 7139125：335 Halmilla Kulama, 7139140：342 Pamunegama, 7139040：349 Thelawagama, 7139060：Kusumpura, 7139005：Kukulkatuwa, 7139015：Ranorawa, 7139075：Adampane, 7145115：Mudungoda, 7145095：Thabuththegama, 7145085：Ithiri Wewa, 7145055：Lunu Wewa, 7145045：Koon Wewa, 7145100：Thissanepura, 7145030：Eriyagama, 7145090：Musalpitiya, 7145010：Kalegama, 7145025：Mahabellankadawala, 7145040：Kudabellankadawala, 7151030：520 Uttimaduwa, 7151060：523 Periyakulama, 7151040：524 Pairimaduwa, 7151005：527 Karuwalagaswewa, 7151020：529 Periyamiyankulama, 7151105：539 Wellamudawa, 7151150：541 Manakkulama, 7151065：552 Ethungamadakuna, 7151185：543 Alagollewa, 7151205：Uthtupitiya, 7157055：Habarana, 7157075：Hiriwarunna, 7157050：Kuda rabewawa, 7157015：Madawala, 7157005：Mithrigama, 7157040：Horivila, 7157025：Galapita gala, 7157030：Kumbukwewa, 7163135：Kandegama, 7163125：Werunkulama, 7163120：Neegama, 7163150：Dakunu Siyabalangamuwa, 7163145：Kadulugamuwa, 7163105：Madawachchiya, 7163100：Musmawa, 7163035：Kaththaragama, 7163130：Walas wawa, 7163015：Otunupeladigama

[3] **fo: Farmer Organization**
Categories: 1：Yaya 5/6, 2：Yay5/6 Dutugamunu, 3：3/Isuru, 4：Aruna Bedum Ela, 5：Suhada, 6：Isipathana, 7：Konwewa Jaya Udana, 8：8/Perakum, 9：Siybalawewa, 10：Ranahansa, 11：Medagama, 12：Elawaka, 13：Sisila, 14：14/Shakthi, 15：Suwa Shakthi, 16：Pubudu, 17：Siyeththawa, 18：Ran Dahadiya, 19：19/Samagi, 20：Vimukthi, 21：Maha Palugaswewa Shakthi, 22：22/Gajabha, 23：23/Perakum, 24：Katukampalayagama, 25：25/Shakthi, 26：Vijaya, 27：Al Madina, 28：Al Ridha, 29：Kuda Madhina, 30：Katiyawa, 31：Parthana Kohobagaskada, 32：Meegahadigiliya, 33：Isurusaru, 34：Maha Kiriebbewa, 35：Nirmala Pahala Kanhidigama, 36：Seewali, 37：37/Gemunu, 38：Pandula, 39：Yamuna, 40：Al Asna, 41：Galenbidunuwewa, 42：Mailagaswewa, 43：Kannimaduwa, 44：Morakandagama, 45：Kiulekada, 46：Ihala Galkulama, 47：Siri Perakum, 48：Eksath, 49：Seewala, 50：50/Gajabha, 51：Kawarakkulama, 52：Jaya Wawa, 53：53/Ekamuthu, 54：Perakumbha, 55：Arunagama, 56：Kuda Nelumgama, 57：Halamilla Wawa, 58：Aran Tharu, 59：Gowisetha, 60：Malwathu, 61：412,D1 Suhada, 62：414,D123, 63：417,Ld Gemunu, 64：411,Fd 6 Mahaweli Thenna, 65：417,D5 Samagi, 66：Janashakthi, 67：Kekulu, 68：Kukulkatuwa Shrama Shakthi, 69：69/Gemunu, 70：70/Ekamuthu, 71：309/D4/Sd2 Daathusena, 72：405 D4, 73：405 Nallachchiyagama, 74：405 Lunu Wawa Left Bank, 75：406/D1, 76：404/D1 Dewid Jalashaya, 77：405/D123, 78：409/D 234, 79：40 8/D2, 80：407/D2, 81：Yuththiyaraja, 82：82/Samagi, 83：83/Perakum, 84：84/Perakum, 85：85/Gemunu, 86：86/Perakum, 87：Siriketha, 88：88/Isuru, 89：Shantha Anthony, 90：Uthtupitiya, 91：91/Perakum, 92：Mihiketha, 93：Ranketha, 94：Puwakpitiya, 95：Kuda Rabawewa, 96：Mihidiya, 97：Dimuthu, 98：Udakadawala, 99：Pragathi, 100：Udahiguraweewa, 101：Galgoda Kubuk Wewa, 102：Werunkulama, 103：Neegama, 104：Wetakoluwagama, 105：Kadulugamuwa, 106：Gowi Gammanaya, 107：Musmawa, 108：Ihala, 109：301/D1 Eksath, 110：305/D1/D5 Samagi

[4] **b_07: B07. What is the <u>highest formal education qualification</u> %rostertitle% has acquired?**
Categories: 1：NONE, 2：GRADE 1, 3：GRADE 2, 4：GRADE 3, 5：GRADE 4, 6：GRADE 5, 7：GRADE 6, 8：GRADE 7, 9：GRADE 8, 10：GRADE 9, 11：GRADE 10, 12：GRADE 11, 13：G.C.E. (O/L) PASSED, 14：G.C.E. (A/L) PASSED, 15：UNDERGRADUATE, 16：BACHELOR'S DEGREE, 17：DIPLOMA HOLDER, 18：MASTER'S DEGREE & ABOVE, 19：NOT QUALIFIED FOR SCHOOLING

[5] **ac_20: AC20. What is the <u>main crop</u> cultivated on %rostertitle%?**
Categories: 1：RICE, 2：MAIZE, 3：BLACK GRAM, 4：GROUNDNUT, 5：SOYA BEAN, 6：COWPEA, 7：GREEN GRAM, 8：GINGERLY, 9：FINGER MILLET, 10：CHILIES, 11：LUFFA, 12：LADIES FINGERS, 13：BRINJAL, 14：BITTER GOURD, 15：TOMATO, 16：PUMPKIN, 17：CAPSICUM, 18：OTHER (SPECIFY)

[6] **ac_310: AC310.Please list all crop planted on %rostertitle% during the 2017/2018 Maha season**
Categories: 1：RICE, 2：MAIZE, 3：BLACK GRAM, 4：GROUNDNUT, 5：SOYA BEAN, 6：COWPEA, 7：GREEN GRAM, 8：GINGERLY, 9：FINGER MILLET, 10：CHILIES, 11：LUFFA, 12：LADIES FINGERS, 13：BRINJAL, 14：BITTER GOURD, 15：TOMATO, 16：PUMPKIN, 17：CAPSICUM, 18：OTHER (SPECIFY)

[7] **ac_50: AC50. What is the <u>main crop</u> cultivated on %rostertitle%?**
Categories: 1：RICE, 2：MAIZE, 3：BLACK GRAM, 4：GROUNDNUT, 5：SOYA BEAN, 6：COWPEA, 7：GREEN GRAM, 8：GINGERLY, 9：FINGER MILLET, 10：CHILIES, 11：LUFFA, 12：LADIES FINGERS, 13：BRINJAL, 14：BITTER GOURD, 15：TOMATO, 16：PUMPKIN, 17：CAPSICUM, 18：OTHER (SPECIFY)

[8] **ac_610: AC610.Please list all crop planted on %rostertitle% during the reference period**
Categories: 1：RICE, 2：MAIZE, 3：BLACK GRAM, 4：GROUNDNUT, 5：SOYA BEAN, 6：COWPEA, 7：GREEN GRAM, 8：GINGERLY, 9：FINGER MILLET, 10：CHILIES, 11：LUFFA, 12：LADIES FINGERS, 13：BRINJAL, 14：BITTER GOURD, 15：TOMATO, 16：PUMPKIN, 17：CAPSICUM, 18：OTHER (SPECIFY)

[9] **ac_312b: AC312B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%?**
Categories: -99：VARIETY UNKNOWN, 1：VARIETY KNOWN, 2：VARIETY KNOWN BUT NOT LISTED, 3：H–9, 4：BG3-5, 5：BG407, 6：BG745, 7：BG 38, 8：H-4, 9：H–8, 10：BG11–11, 11：BG90–2, 12：BG400–1, 13：BG379–2, 14：BG380, 15：BG450, 16：BG403, 17：BW78, 18：BW100, 19：BW451, 20：BW400, 21：BW452, 22：Bw453, 23：Ld66, 24：MI273, 25：At401, 26：At405, 27：H-7, 28：BG34-6, 29：BG94-1, 30：BG94-2, 31：BG350, 32：BG352, 33：BG357, 34：BG358, 35：BG359, 36：BG360, 37：BW266-7, 38：PACIFIC (MAIZE), 39：BHADRA, 40：RUWAN, 41：ARUNA, 42：MUTHU, 43：RANAWANA, 44：OSHADHA, 45：RAVI, 46：Pb-1, 47：PM-13, 48：MISB01, 49：MI35, 50：WAJIRA, 51：WARUNI, 52：DAHAWALA, 53：BOMBAY, 54：KWR,

55：RASHMI, 56：T146, 57：RAJITHA, 58：T245, 59：LANKASOUR(GORAKATAKKALI), 60：THILINA, 61：MAHESHA, 62：RAVI TOMATO, 63：KC01, 64：THARIDU, 65：ROMA, 66：BIYAN, 67：BATHIYA, 68：MI-1, 69：GALKIRIYAGAMASELECTION, 70：MI–2, 71：MIVANNIYA1, 72：KA–2, 73：MICH3, 74：ARUNALU(BI–39), 75：MIPC-1, 76：MI–HOT, 77：MI–GREEN, 78：MICH1–LOCALHYBRID, 79：ANJALEE(F1HYBRID), 80：AMANDA(F1HYBRID)PADAGODA(BWLL), 81：SM64, 82：THINNAVELLIPURPLE, 83：HUNGARIANYELLOWWAT(HYW), 84：CA–8, 85：THINNAVELYWHITE, 86：MC43, 87：ANK RUHUNU, 88：MI–5, 89：MI–7, 90：HARITHA

[10] ac_44: AC44. What was the main reason for <u>not harvesting the whole area planted </u>with %rostertitle%?
Categories: 1：WATER LOGGING, 2：WILTING DUE TO DROUGHT, 3：ANIMAL/BIRD DESTRUCTION, 4：FIELD NOT WEEDED, WEEDED LATE, 5：PESTS AND DISEASES, 6：FIRE, 7：THEFT, 8：FLOODS, HEAVY RAIN, 9：SOILS GENERALLY BAD, 10：LACK OF FERTILIZER, 11：LACK MANAGEMENT EXPERIENCE, 12：RECEIVED BAD ADVICE, 13：LABOUR SHORTAGES, 14：FAILED GERMINATION DUE TO DROUGHT, 15：FAILED GERMINATION DUE TO POOR QUALITY SEEDS, 16：LOW PRODUCTIVITY DUE TO LOW QUALITY SEEDS, 17：PLANTED LATE, 18：EATEN FRESH, 19：WITCH WEED / STRIGA, 20：DON'T KNOW, 21：OTHER (SPECIFY)

[11] ac_612b: AC612B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%?
Categories: –99：VARIETY UNKNOWN, 1：VARIETY KNOWN, 2：VARIETY KNOWN BUT NOT LISTED, 3：H–9, 4：BG3-5, 5：BG407, 6：BG745, 7：BG 38, 8：H-4, 9：H–8, 10：BG11–11, 11：BG90–2, 12：BG400–1, 13：BG379–2, 14：BG380, 15：BG450, 16：BG403, 17：BW78, 18：BW100, 19：BW451, 20：BW400, 21：BW452, 22：Bw453, 23：Ld66, 24：MI273, 25：At401, 26：At405, 27：H-7, 28：BG34-6, 29：BG94-1, 30：BG94-2, 31：BG350, 32：BG3 52, 33：BG357, 34：BG358, 35：BG359, 36：BG360, 37：BW266-7, 38：PACIFIC (MAIZE), 39：BHADRA, 40：RUWAN, 41：ARUNA, 42：MUTHU, 43：RA NAWANA, 44：OSHADHA, 45：RAVI, 46：Pb-1, 47：PM-13, 48：MISB01, 49：MI35, 50：WAJIRA, 51：WARUNI, 52：DAHAWALA, 53：BOMBAY, 54：KWR, 55：RASHMI, 56：T146, 57：RAJITHA, 58：T245, 59：LANKASOUR(GORAKATAKKALI), 60：THILINA, 61：MAHESHA, 62：RAVI TOMATO, 63：KC01, 64：THARIDU, 65：ROMA, 66：BIYAN, 67：BATHIYA, 68：MI-1, 69：GALKIRIYAGAMASELECTION, 70：MI–2, 71：MIVANNIYA1, 72：KA–2, 73：MICH3, 74：ARUNALU(BI–39), 75：MIPC-1, 76：MI–HOT, 77：MI–GREEN, 78：MICH1–LOCALHYBRID, 79：ANJALEE(F1HYBRID), 80：AMANDA(F1HYBRID)PADAGODA(BWLL), 81：SM64, 82：THINNAVELLIPURPLE, 83：HUNGARIANYELLOWWAT(HYW), 84：CA–8, 85：THINNAVELYWHITE, 86：MC43, 87：ANK RUHUNU, 88：MI–5, 89：MI–7, 90：HARITHA

[12] ac_74: AC74. What was the main reason for <u>not harvesting the whole area planted</u> with %rostertitle%?
Categories: 1：WATER LOGGING, 2：WILTING DUE TO DROUGHT, 3：ANIMAL/BIRD DESTRUCTION, 4：FIELD NOT WEEDED, WEEDED LATE, 5：PESTS AND DISEASES, 6：FIRE, 7：THEFT, 8：FLOODS, HEAVY RAIN, 9：SOILS GENERALLY BAD, 10：LACK OF FERTILIZER, 11：LACK MANAGEMENT EXPERIENCE, 12：RECEIVED BAD ADVICE, 13：LABOUR SHORTAGES, 14：FAILED GERMINATION DUE TO DROUGHT, 15：FAILED GERMINATION DUE TO POOR QUALITY SEEDS, 16：LOW PRODUCTIVITY DUE TO LOW QUALITY SEEDS, 17：PLANTED LATE, 18：EATEN FRESH, 19：WITCH WEED / STRIGA, 20：DON'T KNOW, 21：OTHER (SPECIFY)

[13] bc_20: BC20. What is the <u>main crop</u> cultivated on %rostertitle%?
Categories: 1：RICE, 2：MAIZE, 3：BLACK GRAM, 4：GROUNDNUT, 5：SOYA BEAN, 6：COWPEA, 7：GREEN GRAM, 8：GINGERLY, 9：FINGER MILLET, 10：CHILIES, 11：LUFFA, 12：LADIES FINGERS, 13：BRINJAL, 14：BITTER GOURD, 15：TOMATO, 16：PUMPKIN, 17：CAPSICUM, 18：OTHER (SPECIFY)

[14] bc_310: BC310.Please list all crop planted on %rostertitle% during the reference period
Categories: 1：RICE, 2：MAIZE, 3：BLACK GRAM, 4：GROUNDNUT, 5：SOYA BEAN, 6：COWPEA, 7：GREEN GRAM, 8：GINGERLY, 9：FINGER MILLET, 10：CHILIES, 11：LUFFA, 12：LADIES FINGERS, 13：BRINJAL, 14：BITTER GOURD, 15：TOMATO, 16：PUMPKIN, 17：CAPSICUM, 18：OTHER (SPECIFY)

[15] bc_50: BC50. What is the <u>main crop</u> cultivated on %rostertitle%?
Categories: 1：RICE, 2：MAIZE, 3：BLACK GRAM, 4：GROUNDNUT, 5：SOYA BEAN, 6：COWPEA, 7：GREEN GRAM, 8：GINGERLY, 9：FINGER MILLET, 10：CHILIES, 11：LUFFA, 12：LADIES FINGERS, 13：BRINJAL, 14：BITTER GOURD, 15：TOMATO, 16：PUMPKIN, 17：CAPSICUM, 18：OTHER (SPECIFY)

[16] bc_610: BC610.Please list all crop planted for %rostertitle% during the reference period
Categories: 1：RICE, 2：MAIZE, 3：BLACK GRAM, 4：GROUNDNUT, 5：SOYA BEAN, 6：COWPEA, 7：GREEN GRAM, 8：GINGERLY, 9：FINGER MILLET, 10：CHILIES, 11：LUFFA, 12：LADIES FINGERS, 13：BRINJAL, 14：BITTER GOURD, 15：TOMATO, 16：PUMPKIN, 17：CAPSICUM, 18：OTHER (SPECIFY)

[17] bc_312b: BC312B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%?
Categories: –99：VARIETY UNKNOWN, 1：VARIETY KNOWN, 2：VARIETY KNOWN BUT NOT LISTED, 3：H–9, 4：BG3-5, 5：BG407, 6：BG745, 7：BG 38, 8：H-4, 9：H–8, 10：BG11–11, 11：BG90–2, 12：BG400–1, 13：BG379–2, 14：BG380, 15：BG450, 16：BG403, 17：BW78, 18：BW100, 19：BW451, 20：BW400, 21：BW452, 22：Bw453, 23：Ld66, 24：MI273, 25：At401, 26：At405, 27：H-7, 28：BG34-6, 29：BG94-1, 30：BG94-2, 31：BG350, 32：BG3 52, 33：BG357, 34：BG358, 35：BG359, 36：BG360, 37：BW266-7, 38：PACIFIC (MAIZE), 39：BHADRA, 40：RUWAN, 41：ARUNA, 42：MUTHU, 43：RA NAWANA, 44：OSHADHA, 45：RAVI, 46：Pb-1, 47：PM-13, 48：MISB01, 49：MI35, 50：WAJIRA, 51：WARUNI, 52：DAHAWALA, 53：BOMBAY, 54：KWR, 55：RASHMI, 56：T146, 57：RAJITHA, 58：T245, 59：LANKASOUR(GORAKATAKKALI), 60：THILINA, 61：MAHESHA, 62：RAVI TOMATO, 63：KC01, 64：THARIDU, 65：ROMA, 66：BIYAN, 67：BATHIYA, 68：MI-1, 69：GALKIRIYAGAMASELECTION, 70：MI–2, 71：MIVANNIYA1, 72：KA–2, 73：MICH3, 74：ARUNALU(BI–39), 75：MIPC-1, 76：MI–HOT, 77：MI–GREEN, 78：MICH1–LOCALHYBRID, 79：ANJALEE(F1HYBRID), 80：AMANDA(F1HYBRID)PADAGODA(BWLL), 81：SM64, 82：THINNAVELLIPURPLE, 83：HUNGARIANYELLOWWAT(HYW), 84：CA–8, 85：THINNAVELYWHITE, 86：MC43, 87：ANK RUHUNU, 88：MI–5, 89：MI–7, 90：HARITHA

[18] bc_44: BC44. What was the main reason for <u>not harvesting the whole area planted</u> with %rostertitle%?
Categories: 1：WATER LOGGING, 2：WILTING DUE TO DROUGHT, 3：ANIMAL/BIRD DESTRUCTION, 4：FIELD NOT WEEDED, WEEDED LATE, 5：PESTS AND DISEASES, 6：FIRE, 7：THEFT, 8：FLOODS, HEAVY RAIN, 9：SOILS GENERALLY BAD, 10：LACK OF FERTILIZER, 11：LACK MANAGEMENT EXPERIENCE, 12：RECEIVED BAD ADVICE, 13：LABOUR SHORTAGES, 14：FAILED GERMINATION DUE TO DROUGHT, 15：FAILED GERMINATION DUE TO POOR QUALITY SEEDS, 16：LOW PRODUCTIVITY DUE TO LOW QUALITY SEEDS, 17：PLANTED LATE, 18：EATEN FRESH, 19：WITCH WEED / STRIGA, 20：DON'T KNOW, 21：OTHER (SPECIFY)

[19] bc_612b: BC612B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%?
Categories: –99：VARIETY UNKNOWN, 1：VARIETY KNOWN, 2：VARIETY KNOWN BUT NOT LISTED, 3：H–9, 4：BG3-5, 5：BG407, 6：BG745, 7：BG 38, 8：H-4, 9：H–8, 10：BG11–11, 11：BG90–2, 12：BG400–1, 13：BG379–2, 14：BG380, 15：BG450, 16：BG403, 17：BW78, 18：BW100, 19：BW451, 20：BW400, 21：BW452, 22：Bw453, 23：Ld66, 24：MI273, 25：At401, 26：At405, 27：H-7, 28：BG34-6, 29：BG94-1, 30：BG94-2, 31：BG350, 32：BG3 52, 33：BG357, 34：BG358, 35：BG359, 36：BG360, 37：BW266-7, 38：PACIFIC (MAIZE), 39：BHADRA, 40：RUWAN, 41：ARUNA, 42：MUTHU, 43：RA

NAWANA, 44 : OSHADHA, 45 : RAVI, 46 : Pb-1, 47 : PM-13, 48 : MISB01, 49 : MI35, 50 : WAJIRA, 51 : WARUNI, 52 : DAHAWALA, 53 : BOMBAY, 54 : KWR, 55 : RASHMI, 56 : T146, 57 : RAJITHA, 58 : T245, 59 : LANKASOUR(GORAKATAKKALI), 60 : THILINA, 61 : MAHESHA, 62 : RAVI TOMATO, 63 : KC01, 64 : THARIDU, 65 : ROMA, 66 : BIYAN, 67 : BATHIYA, 68 : MI-1, 69 : GALKIRIYAGAMASELECTION, 70 : MI-2, 71 : MIVANNIYA1, 72 : KA-2, 73 : MICH3, 74 : A RUNALU(BI-39), 75 : MIPC-1, 76 : MI-HOT, 77 : MI-GREEN, 78 : MICH1-LOCALHYBRID, 79 : ANJALEE(F1HYBRID), 80 : AMANDA(F1HYBRID)PADA GODA(BWLL), 81 : SM64, 82 : THINNAVELLIPURPLE, 83 : HUNGARIANYELLOWWAT(HYW), 84 : CA-8, 85 : THINNAVELYWHITE, 86 : MC43, 87 : ANK RUHUNU, 88 : MI-5, 89 : MI-7, 90 : HARITHA

[20] bc_74: BC74. What was the main reason for <u>not harvesting the whole area planted</u> with %rostertitle%?
Categories: 1 : WATER LOGGING, 2 : WILTING DUE TO DROUGHT, 3 : ANIMAL/BIRD DESTRUCTION, 4 : FIELD NOT WEEDED, WEEDED LATE, 5 : PESTS AND DISEASES, 6 : FIRE, 7 : THEFT, 8 : FLOODS, HEAVY RAIN, 9 : SOILS GENERALLY BAD, 10 : LACK OF FERTILIZER, 11 : LACK MANAGE MENT EXPERIENCE, 12 : RECEIVED BAD ADVICE, 13 : LABOUR SHORTAGES, 14 : FAILED GERMINATION DUE TO DROUGHT, 15 : FAILED GERM INATION DUE TO POOR QUALITY SEEDS, 16 : LOW PRODUCTIVITY DUE TO LOW QUALITY SEEDS, 17 : PLANTED LATE, 18 : EATEN FRESH, 19 : WITCH WEED / STRIGA, 20 : DON'T KNOW, 21 : OTHER (SPECIFY)

[21] cc_20: CC20. What is the <u>main crop</u> cultivated on %rostertitle%?
Categories: 1 : RICE, 2 : MAIZE, 3 : BLACK GRAM, 4 : GROUNDNUT, 5 : SOYA BEAN, 6 : COWPEA, 7 : GREEN GRAM, 8 : GINGERLY, 9 : FINGER MILL ET, 10 : CHILIES, 11 : LUFFA, 12 : LADIES FINGERS, 13 : BRINJAL, 14 : BITTER GOURD, 15 : TOMATO, 16 : PUMPKIN, 17 : CAPSICUM, 18 : OTHER (SPECIFY)

[22] cc_310: CC310.Please list all crop planted on %rostertitle% during the reference period
Categories: 1 : RICE, 2 : MAIZE, 3 : BLACK GRAM, 4 : GROUNDNUT, 5 : SOYA BEAN, 6 : COWPEA, 7 : GREEN GRAM, 8 : GINGERLY, 9 : FINGER MILL ET, 10 : CHILIES, 11 : LUFFA, 12 : LADIES FINGERS, 13 : BRINJAL, 14 : BITTER GOURD, 15 : TOMATO, 16 : PUMPKIN, 17 : CAPSICUM, 18 : OTHER (SPECIFY)

[23] cc_50: CC50. What is the <u>main crop</u> cultivated on %rostertitle%?
Categories: 1 : RICE, 2 : MAIZE, 3 : BLACK GRAM, 4 : GROUNDNUT, 5 : SOYA BEAN, 6 : COWPEA, 7 : GREEN GRAM, 8 : GINGERLY, 9 : FINGER MILL ET, 10 : CHILIES, 11 : LUFFA, 12 : LADIES FINGERS, 13 : BRINJAL, 14 : BITTER GOURD, 15 : TOMATO, 16 : PUMPKIN, 17 : CAPSICUM, 18 : OTHER (SPECIFY)

[24] cc_610: CC610.Please list all crop planted on %rostertitle% during the reference period
Categories: 1 : RICE, 2 : MAIZE, 3 : BLACK GRAM, 4 : GROUNDNUT, 5 : SOYA BEAN, 6 : COWPEA, 7 : GREEN GRAM, 8 : GINGERLY, 9 : FINGER MILL ET, 10 : CHILIES, 11 : LUFFA, 12 : LADIES FINGERS, 13 : BRINJAL, 14 : BITTER GOURD, 15 : TOMATO, 16 : PUMPKIN, 17 : CAPSICUM, 18 : OTHER (SPECIFY)

[25] cc_312b: CC312B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%?
Categories: -99 : VARIETY UNKNOWN, 1 : VARIETY KNOWN, 2 : VARIETY KNOWN BUT NOT LISTED, 3 : H-9, 4 : BG3-5, 5 : BG407, 6 : BG745, 7 : BG 38, 8 : H-4, 9 : H-8, 10 : BG11-11, 11 : BG90-2, 12 : BG400-1, 13 : BG379-2, 14 : BG380, 15 : BG450, 16 : BG403, 17 : BW78, 18 : BW100, 19 : BW451, 20 : BW400, 21 : BW452, 22 : Bw453, 23 : Ld66, 24 : MI273, 25 : At401, 26 : At405, 27 : H-7, 28 : BG34-6, 29 : BG94-1, 30 : BG94-2, 31 : BG350, 32 : BG3 52, 33 : BG357, 34 : BG358, 35 : BG359, 36 : BG360, 37 : BW266-7, 38 : PACIFIC (MAIZE), 39 : BHADRA, 40 : RUWAN, 41 : ARUNA, 42 : MUTHU, 43 : RA NAWANA, 44 : OSHADHA, 45 : RAVI, 46 : Pb-1, 47 : PM-13, 48 : MISB01, 49 : MI35, 50 : WAJIRA, 51 : WARUNI, 52 : DAHAWALA, 53 : BOMBAY, 54 : KWR, 55 : RASHMI, 56 : T146, 57 : RAJITHA, 58 : T245, 59 : LANKASOUR(GORAKATAKKALI), 60 : THILINA, 61 : MAHESHA, 62 : RAVI TOMATO, 63 : KC01, 64 : THARIDU, 65 : ROMA, 66 : BIYAN, 67 : BATHIYA, 68 : MI-1, 69 : GALKIRIYAGAMASELECTION, 70 : MI-2, 71 : MIVANNIYA1, 72 : KA-2, 73 : MICH3, 74 : A RUNALU(BI-39), 75 : MIPC-1, 76 : MI-HOT, 77 : MI-GREEN, 78 : MICH1-LOCALHYBRID, 79 : ANJALEE(F1HYBRID), 80 : AMANDA(F1HYBRID)PADA GODA(BWLL), 81 : SM64, 82 : THINNAVELLIPURPLE, 83 : HUNGARIANYELLOWWAT(HYW), 84 : CA-8, 85 : THINNAVELYWHITE, 86 : MC43, 87 : ANK RUHUNU, 88 : MI-5, 89 : MI-7, 90 : HARITHA

[26] cc_44: CC44. What was the main reason for <u>not harvesting the whole area planted</u> with %rostertitle%?
Categories: 1 : WATER LOGGING, 2 : WILTING DUE TO DROUGHT, 3 : ANIMAL/BIRD DESTRUCTION, 4 : FIELD NOT WEEDED, WEEDED LATE, 5 : PESTS AND DISEASES, 6 : FIRE, 7 : THEFT, 8 : FLOODS, HEAVY RAIN, 9 : SOILS GENERALLY BAD, 10 : LACK OF FERTILIZER, 11 : LACK MANAGE MENT EXPERIENCE, 12 : RECEIVED BAD ADVICE, 13 : LABOUR SHORTAGES, 14 : FAILED GERMINATION DUE TO DROUGHT, 15 : FAILED GERM INATION DUE TO POOR QUALITY SEEDS, 16 : LOW PRODUCTIVITY DUE TO LOW QUALITY SEEDS, 17 : PLANTED LATE, 18 : EATEN FRESH, 19 : WITCH WEED / STRIGA, 20 : DON'T KNOW, 21 : OTHER (SPECIFY)

[27] cc_612b: CC612B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%?
Categories: -99 : VARIETY UNKNOWN, 1 : VARIETY KNOWN, 2 : VARIETY KNOWN BUT NOT LISTED, 3 : H-9, 4 : BG3-5, 5 : BG407, 6 : BG745, 7 : BG 38, 8 : H-4, 9 : H-8, 10 : BG11-11, 11 : BG90-2, 12 : BG400-1, 13 : BG379-2, 14 : BG380, 15 : BG450, 16 : BG403, 17 : BW78, 18 : BW100, 19 : BW451, 20 : BW400, 21 : BW452, 22 : Bw453, 23 : Ld66, 24 : MI273, 25 : At401, 26 : At405, 27 : H-7, 28 : BG34-6, 29 : BG94-1, 30 : BG94-2, 31 : BG350, 32 : BG3 52, 33 : BG357, 34 : BG358, 35 : BG359, 36 : BG360, 37 : BW266-7, 38 : PACIFIC (MAIZE), 39 : BHADRA, 40 : RUWAN, 41 : ARUNA, 42 : MUTHU, 43 : RA NAWANA, 44 : OSHADHA, 45 : RAVI, 46 : Pb-1, 47 : PM-13, 48 : MISB01, 49 : MI35, 50 : WAJIRA, 51 : WARUNI, 52 : DAHAWALA, 53 : BOMBAY, 54 : KWR, 55 : RASHMI, 56 : T146, 57 : RAJITHA, 58 : T245, 59 : LANKASOUR(GORAKATAKKALI), 60 : THILINA, 61 : MAHESHA, 62 : RAVI TOMATO, 63 : KC01, 64 : THARIDU, 65 : ROMA, 66 : BIYAN, 67 : BATHIYA, 68 : MI-1, 69 : GALKIRIYAGAMASELECTION, 70 : MI-2, 71 : MIVANNIYA1, 72 : KA-2, 73 : MICH3, 74 : A RUNALU(BI-39), 75 : MIPC-1, 76 : MI-HOT, 77 : MI-GREEN, 78 : MICH1-LOCALHYBRID, 79 : ANJALEE(F1HYBRID), 80 : AMANDA(F1HYBRID)PADA GODA(BWLL), 81 : SM64, 82 : THINNAVELLIPURPLE, 83 : HUNGARIANYELLOWWAT(HYW), 84 : CA-8, 85 : THINNAVELYWHITE, 86 : MC43, 87 : ANK RUHUNU, 88 : MI-5, 89 : MI-7, 90 : HARITHA

[28] cc_74: CC74. What was the main reason for <u>not harvesting the whole area planted</u> with %rostertitle%?
Categories: 1 : WATER LOGGING, 2 : WILTING DUE TO DROUGHT, 3 : ANIMAL/BIRD DESTRUCTION, 4 : FIELD NOT WEEDED, WEEDED LATE, 5 : PESTS AND DISEASES, 6 : FIRE, 7 : THEFT, 8 : FLOODS, HEAVY RAIN, 9 : SOILS GENERALLY BAD, 10 : LACK OF FERTILIZER, 11 : LACK MANAGE MENT EXPERIENCE, 12 : RECEIVED BAD ADVICE, 13 : LABOUR SHORTAGES, 14 : FAILED GERMINATION DUE TO DROUGHT, 15 : FAILED GERM INATION DUE TO POOR QUALITY SEEDS, 16 : LOW PRODUCTIVITY DUE TO LOW QUALITY SEEDS, 17 : PLANTED LATE, 18 : EATEN FRESH, 19 : WITCH WEED / STRIGA, 20 : DON'T KNOW, 21 : OTHER (SPECIFY)

[29] cropstk: CROPSTK. Which of these crops was sold or bartered by the household from October 1st 2017 to October 31 2018 ?
Categories: 2 : MAIZE, 3 : BLACK GRAM, 4 : GROUNDNUT, 5 : SOYA BEAN, 6 : COWPEA, 7 : GREEN GRAM, 8 : GINGERLY, 9 : FINGER MILLET, 10 : C HILIES, 11 : LUFFA, 12 : LADIES FINGERS, 13 : BRINJAL, 14 : BITTER GOURD, 15 : TOMATO, 16 : PUMPKIN, 17 : CAPSICUM, 18 : OTHER (SPECIFY)

[30] k_01: K01. Did the household <u>own any of these asset</u> as at October 1st 2017?
Categories: 1:BUFFALOES -DRAWN PLOUGH, 2:DISC PLOUGH, 3:HARROWS, 4:SEEDERS, 5:RIDGER/ WEEDER, 6:TRANSPLANTER, 7:TWO WHEELS TRACTOR, 8:FOUR WHEELS TRACTORS, 9:HAND DRIVEN TRACTOR, 10:COMBINE HARVESTER, 11:TSUNAMI, 12:WATER PUMP / TREADLE PUMP, 13:OTHER IRRIGATION EQUIPMENT (E.G., IRRIGATION PIPES), 14:KNAPSACK SPRAYER, 15:BOOM SPRAYER, 16:BOATS/CANOES, 17:FISHING NET, 18:MOTORCYCLE, 19:BICYCLES, 20:TRUCKS/LORRIES, 21:THREE-WHEELER, 22:VAN, 23:CAR, 24:MOBILE PHONE, 25:RADIO, 26:TV, 27:SEWING MACHINE, 28:WATER TANK

[30] k_01: K01. Did the household <u>own any of these asset</u> as at October 1st 2017?
Categories: 1:BUFFALOES -DRAWN PLOUGH, 2:DISC PLOUGH, 3:HARROWS, 4:SEEDERS, 5:RIDGER/ WEEDER, 6:TRANSPLANTER, 7:TWO WHEELS TRACTOR, 8:FOUR WHEELS TRACTORS, 9:HAND DRIVEN TRACTOR, 10:COMBINE HARVESTER, 11:TSUNAMI, 12:WATER PUMP / TREADLE PUMP, 13:OTHER IRRIGATION EQUIPMENT (E.G., IRRIGATION PIPES), 14:KNAPSACK SPRAYER, 15:BOOM SPRAYER, 16:BOATS/CANOES, 17:FISHING NET, 18:MOTORCYCLE, 19:BICYCLES, 20:TRUCKS/LORRIES, 21:THREE-WHEELER, 22:VAN, 23:CAR, 24:MOBILE PHONE, 25:RADIO, 26:TV, 27:SEWING MACHINE, 28:WATER TANK

APPENDIX D — VARIABLES

[1] b_05:

/* This calculate the age from the given date of birth. Since both month can be 99, then we have to write multiple cases to account for 99 values. FullYearsBetween finds the number of years between two given dates This uses the following questions: InterviewDate - date of interview dob_month - month in DOB dob_year - year in DOB */ // if month is unknown, calculate age based on year of interview and year of DOB b_04b == 99 ? Intv_Start.Value.Year - b_04a : FullYearsBetween(new DateTime((int) b_04a, (int) b_04b, (int) 15), Intv_Start)

APPENDIX E — CATEGORIES FILTERS

[1] ac_312b: AC312B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%?

//rice @rowcode==1 && ((@optioncode==-99 || (@optioncode>1 && @optioncode<=37)) || //maize @rowcode==2 && ((@optioncode==-99 || (@optioncode>37 && @optioncode<=42 || @optioncode==2)) || //black gram @rowcode==3 && ((@optioncode==-99 || @optioncode<=1) || //groundnut @rowcode==4 && ((@optioncode==-99 || @optioncode<=1) || //soyabean @rowcode==5 && ((@optioncode==-99 || (@optioncode>45 && @optioncode<=48 || @optioncode==2)) || //cowpea @rowcode==6 && ((@optioncode==-99 || @optioncode<=1) || //green gram @rowcode==7 && ((@optioncode==-99 || @optioncode<=1) || //gingerly @rowcode==8 && ((@optioncode==-99 || @optioncode<=1) || //finger millet @rowcode==9 && ((@optioncode==-99 || (@optioncode>42 && @optioncode<=45 || @optioncode==2)) || //chillies @rowcode==10 && ((@optioncode==-99 || (@optioncode>67 && @optioncode<=78 || @optioncode==2)) || //luffa @rowcode==11 && ((@optioncode==-99 || @optioncode<=1) || //ladies Finger @rowcode==12 && ((@optioncode==-99 || (@optioncode>87 && @optioncode<=90 || @optioncode==2)) || //brinal @rowcode==13 && ((@optioncode==-99 || (@optioncode>78 && @optioncode<=82 || @optioncode==2)) || //bitter gourd @rowcode==14 && ((@optioncode==-99 || (@optioncode>84 && @optioncode<=86 || @optioncode==2)) || //tomato @rowcode==15 && ((@optioncode==-99 || (@optioncode>53 && @optioncode<=67 || @optioncode==2)) || //pumpkins @rowcode==16 && ((@optioncode==-99 || @optioncode>87) || //capsicum @rowcode==17 && ((@optioncode==-99 || (@optioncode>82 && @optioncode<=84 || @optioncode==2)) || //other @rowcode==18 && ((@optioncode==-99 || @optioncode<=1)

[2] ac_612b: AC612B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%?

//rice @rowcode==1 && ((@optioncode==-99 || (@optioncode>1 && @optioncode<=37)) || //maize @rowcode==2 && ((@optioncode==-99 || (@optioncode>37 && @optioncode<=42 || @optioncode==2)) || //black gram @rowcode==3 && ((@optioncode==-99 || @optioncode<=1) || //groundnut @rowcode==4 && ((@optioncode==-99 || @optioncode<=1) || //soyabean @rowcode==5 && ((@optioncode==-99 || (@optioncode>45 && @optioncode<=48 || @optioncode==2)) || //cowpea @rowcode==6 && ((@optioncode==-99 || @optioncode<=1) || //green gram @rowcode==7 && ((@optioncode==-99 || @optioncode<=1) || //gingerly @rowcode==8 && ((@optioncode==-99 || @optioncode<=1) || //finger millet @rowcode==9 && ((@optioncode==-99 || (@optioncode>42 && @optioncode<=45 || @optioncode==2)) || //chillies @rowcode==10 && ((@optioncode==-99 || (@optioncode>67 && @optioncode<=78 || @optioncode==2)) || //luffa @rowcode==11 && ((@optioncode==-99 || @optioncode<=1) || //ladies Finger @rowcode==12 && ((@optioncode==-99 || (@optioncode>87 && @optioncode<=90 || @optioncode==2)) || //brinal @rowcode==13 && ((@optioncode==-99 || (@optioncode>78 && @optioncode<=82 || @optioncode==2)) || //bitter gourd @rowcode==14 && ((@optioncode==-99 || (@optioncode>84 && @optioncode<=86 || @optioncode==2)) || //tomato @rowcode==15 && ((@optioncode==-99 || (@optioncode>53 && @optioncode<=67 || @optioncode==2)) || //pumpkins @rowcode==16 && ((@optioncode==-99 || @optioncode>87) || //capsicum @rowcode==17 && ((@optioncode==-99 || (@optioncode>82 && @optioncode<=84 || @optioncode==2)) || //other @rowcode==18 && ((@optioncode==-99 || @optioncode<=1)

[3] bc_312b: BC312B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%?

//rice @rowcode==1 && ((@optioncode==-99 || (@optioncode>1 && @optioncode<=37)) || //maize @rowcode==2 && ((@optioncode==-99 || (@optioncode>37 && @optioncode<=42 || @optioncode==2)) || //black gram @rowcode==3 && ((@optioncode==-99 || @optioncode<=1) || //groundnut @rowcode==4 && ((@optioncode==-99 || @optioncode<=1) || //soyabean @rowcode==5 && ((@optioncode==-99 || (@optioncode>45 && @optioncode<=48 || @optioncode==2)) || //cowpea @rowcode==6 && ((@optioncode==-99 || @optioncode<=1) || //green gram @rowcode==7 && ((@optioncode==-99 || @optioncode<=1) || //gingerly @rowcode==8 && ((@optioncode==-99 || @optioncode<=1) || //finger millet @rowcode==9 && ((@optioncode==-99 || (@optioncode>42 && @optioncode<=45 || @optioncode==2)) || //chillies @rowcode==10 && ((@optioncode==-99 || (@optioncode>67 && @optioncode<=78 || @optioncode==2)) || //luffa @rowcode==11 && ((@optioncode==-99 || @optioncode<=1) || //ladies Finger @rowcode==12 && ((@optioncode==-99 || (@optioncode>87 && @optioncode<=90 || @optioncode==2)) || //brinal @rowcode==13 && ((@optioncode==-99 || (@optioncode>78 && @optioncode<=82 || @optioncode==2)) || //bitter gourd @rowcode==14 && ((@optioncode==-99 || (@optioncode>84 && @optioncode<=86 || @optioncode==2)) || //tomato @rowcode==15 && ((@optioncode==-99 || (@optioncode>53 && @optioncode<=67 || @optioncode==2)) || //pumpkins @rowcode==16 && ((@optioncode==-99 || @optioncode>87) || //capsicum @rowcode==17 && ((@optioncode==-99 || (@optioncode>82 && @optioncode<=84 || @optioncode==2)) || //other @rowcode==18 && ((@optioncode==-99 || @optioncode<=1)

[4] bc_612b: BC612B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%?

//rice @rowcode==1 && ((@optioncode==-99 || (@optioncode>1 && @optioncode<=37)) || //maize @rowcode==2 && ((@optioncode==-99 || (@optioncode>37 && @optioncode<=42 || @optioncode==2)) || //black gram @rowcode==3 && ((@optioncode==-99 || @optioncode<=1) || //groundnut @rowcode==4 && ((@optioncode==-99 || @optioncode<=1) || //soyabean @rowcode==5 && ((@optioncode==-99 || (@optioncode>45 && @optioncode<=48 || @optioncode==2)) || //cowpea @rowcode==6 && ((@optioncode==-99 || @optioncode<=1) || //green gram @rowcode==7 && ((@optioncode==-99 || @optioncode<=1) || //gingerly @rowcode==8 && ((@optioncode==-99 || @optioncode<=1) || //finger millet @rowcode==9 && ((@optioncode==-99 || (@optioncode>42 && @optioncode<=45 || @optioncode==2)) || //chillies @rowcode==10 && ((@optioncode==-99 || (@optioncode>67 && @optioncode<=78 || @optioncode==2)) || //luffa @rowcode==11 && ((@optioncode==-99 || @optioncode<=1) || //ladies Finger @rowcode==12 && ((@optioncode==-99 || (@optioncode>87 && @optioncode<=90 || @optioncode==2)) || //brinal @rowcode==13 && ((@optioncode==-99 || (@optioncode>78 && @optioncode<=82 || @optioncode==2)) || //bitter gourd @rowcode==14 && ((@optioncode==-99 || (@optioncode>84 && @optioncode<=86 || @optioncode==2)) || //tomato @rowcode==15 && ((@optioncode==-99 || (@optioncode>53 && @optioncode<=67 || @optioncode==2)) || //pumpkins @rowcode==16 && ((@optioncode==-99 || @optioncode>87) || //capsicum @rowcode==17 && ((@optioncode==-99 || (@optioncode>82 && @optioncode<=84 || @optioncode==2)) || //other @rowcode==18 && ((@optioncode==-99 || @optioncode<=1)

[5] cc_312b: CC312B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%?

//rice @rowcode==1 && ((@optioncode==-99 || (@optioncode>1 && @optioncode<=37)) || //maize @rowcode==2 && ((@optioncode==-99 || (@optioncode>37 && @optioncode<=42 || @optioncode==2)) || //black gram @rowcode==3 && ((@optioncode==-99 || @optioncode<=1) || //groundnut @rowcode==4 && ((@optioncode==-99 || @optioncode<=1) || //soyabean @rowcode==5 && ((@optioncode==-99 || (@optioncode>45 && @optioncode<=48 || @optioncode==2)) || //cowpea @rowcode==6 && ((@optioncode==-99 || @optioncode<=1) || //green gram @rowcode==7 && ((@optioncode==-99 || @optioncode<=1) || //gingerly @rowcode==8 && ((@optioncode==-99 || @optioncode<=1) || //finger millet @rowcode==9 && ((@optioncode==-99 || (@optioncode>42 && @optioncode<=45 || @optioncode==2)) || //chillies @rowcode==10 && ((@optioncode==-99 || (@optioncode>67 && @optioncode<=78 || @optioncode==2)) || //luffa @rowcode==11 && ((@optioncode==-99 || @optioncode<=1) || //ladies Finger @rowcode==12 && ((@optioncode==-99 || (@optioncode>87 && @optioncode<=90 || @optioncode==2)) || //brinal @rowcode==13 && ((@optioncode==-99 || (@optioncode>78 && @optioncode<=82 || @optioncode==2)) || //bitter gourd @rowcode==14 && ((@optioncode==-99 || (@optioncode>84 && @optioncode<=86 || @optioncode==2)) || //tomato @rowcode==15 && ((@optioncode==-99 || (@optioncode>53 && @optioncode<=67 || @optioncode==2)) || //pumpkins @rowcode==16 && ((@optioncode==-99 || @optioncode>87) || //capsicum @rowcode==17 && ((@optioncode==-99 || (@optioncode>82 && @optioncode<=84 || @optioncode==2)) || //other @rowcode==18 && ((@optioncode==-99 || @optioncode<=1)

[6] cc_612b: CC612B. What main <u>seed variety</u> did the HH use for the first planting of %rostertitle%?

//rice @rowcode==1 && ((@optioncode==-99 || (@optioncode>1 && @optioncode<=37)) || //maize @rowcode==2 && ((@optioncode==-99 || (@optioncode>37 && @optioncode<=42 || @optioncode==2)) || //black gram @rowcode==3 && ((@optioncode==-99 || @optioncode<=1) || //groundnut @rowcode==4 && ((@optioncode==-99 || @optioncode<=1) || //soyabean @rowcode==5 && ((@optioncode==-99 || (@optioncode>45 && @optioncode<=48 || @optioncode==2)) || //cowpea @rowcode==6 && ((@optioncode==-99 || @optioncode<=1) || //green gram @rowcode==7 && ((@optioncode==-99 || @optioncode<=1) || //gingerly @rowcode==8 && ((@optioncode==-99 || @optioncode<=1) || //finger millet @rowcode==9 && ((@optioncode==-99 || (@optioncode>42 && @optioncode<=45 || @optioncode==2)) || //chillies @rowcode==10 && ((@optioncode==-99 || (@optioncode>67 && @optioncode<=78 || @optioncode==2)) || //luffa @rowcode==11 && ((@optioncode==-99 || @optioncode<=1) || //ladies Finger @rowcode==12 && ((@optioncode==-99 || (@optioncode>87 && @optioncode<=90 || @optioncode==2)) || //brinal @rowcode==13 && ((@optioncode==-99 || (@optioncode>78 && @optioncode<=82 || @optioncode==2)) || //bitter gourd @rowcode==14 && ((@optioncode==-99 || (@optioncode>84 && @optioncode<=86 || @optioncode==2)) || //tomato @rowcode==15 && ((@optioncode==-99 || (@optioncode>53 &&

@optioncode<=67 || @optioncode==2)) || //pumpkins @rowcode==16 && (@optioncode==-99 || @optioncode>87) || //capsicum @rowcode==17 && (@optioncode==-99 || (@optioncode>82 && @optioncode<=84 || @optioncode==2)) || //other @rowcode==18 && (@optioncode==-99 || @optioncode<=1)

@optioncode<=67 || @optioncode==2)) || //pumpkins @rowcode==16 && (@optioncode==-99 || @optioncode>87) || //capsicum @rowcode==17 && (@optioncode==-99 || (@optioncode>82 && @optioncode<=84 || @optioncode==2)) || //other @rowcode==18 && (@optioncode==-99 || @optioncode<=1)

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