

**AUTHORIZED FOR PUBLIC DISCLOSURE**



Malawi Government  
National Statistical Office

Questionnaire  
Number

**FOURTH INTEGRATED HOUSEHOLD SURVEY, 2016/17**

THIS SURVEY IS BEING CONDUCTED BY THE NATIONAL STATISTICAL OFFICE UNDER THE AUTHORITY OF THE 2013 STATISTICS ACT.  
THIS INFORMATION IS STRICTLY CONFIDENTIAL AND IS TO BE USED FOR STATISTICAL PURPOSES ONLY.

**AGRICULTURE QUESTIONNAIRE**

**MODULE A-1: HOUSEHOLD IDENTIFICATION**

WRITE CODES FOR TA, STA, OR TOWN; EA; AND HH ID. WRITE NAME OF DISTRICT; TA; VILLAGE; AND HOUSEHOLD HEAD.

A01. DISTRICT:	CODE	<input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>	NAME	<input style="width: 95%; height: 20px;" type="text"/>
A02. TA, STA, or TOWN:		<input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>		<input style="width: 95%; height: 20px;" type="text"/>
A03. ENUMERATION AREA:		<input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>		<input style="width: 95%; height: 20px;" type="text"/>
A04. PLACE / VILLAGE NAME:				<input style="width: 95%; height: 20px;" type="text"/>
A04b. EXTENSION PLANNING AREA:				<input style="width: 95%; height: 20px;" type="text"/>
A05. PANEL OR CROSS-SECTIONAL:		CROSS-SECTION.....1 PANEL A .....2>>A09 PANEL B .....3>>A09		<input style="width: 30px; height: 20px;" type="text"/> <input style="width: 95%; height: 20px;" type="text"/>
A06. HOUSEHOLD ID (FROM LIST):		<input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>		<input style="width: 95%; height: 20px;" type="text"/>
A07. NAME OF HOUSEHOLD HEAD:				<input style="width: 95%; height: 20px;" type="text"/>
A08. DWELLING STRUCTURE NO. (FROM LIST):	CODE	<input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>	(THEN>>A15)	<input style="width: 95%; height: 20px;" type="text"/>
A09. IHPS Y2-HHID FROM TRACKING FORM:		<input style="width: 30px; height: 20px;" type="text"/>	-	<input style="width: 30px; height: 20px;" type="text"/>
A10. NAME OF HOUSEHOLD HEAD FROM IHPS:				<input style="width: 95%; height: 20px;" type="text"/>
A11. LOCATION OF HOUSEHOLD:		SAME DWELLING UNIT.....1 ▶ A13 DIFFERENT DWELLING UNIT WITHIN SAME VILLAGE/URBAN LOCATION.....2 DIFFERENT VILLAGE/URBAN LOCATION, WITHIN SAME DISTRICT.....3 DIFFERENT VILLAGE/URBAN LOCATION, WITH DIFFERENT DISTRICT.....4		<input style="width: 30px; height: 20px;" type="text"/> <input style="width: 95%; height: 20px;" type="text"/>
A12. IHPS ROSTER ID & NAME OF TRACKING TARGET:		<input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>		<input style="width: 95%; height: 20px;" type="text"/>
A13. CURRENT NAME OF HOUSEHOLD HEAD:				<input style="width: 95%; height: 20px;" type="text"/>
A14. LOWEST IHPS ROSTER ID NUMBER FROM SECTION B, QUESTION 06_1:		<input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>		REFER TO COMPLETED T0 AND CONFIRM IN MODULE B HOUSEHOLD ROSTER

**MODULE A-2: SURVEY STAFF DETAILS**

**VISIT 1**

A15. ENUMERATOR CODE:

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A16. ENUMERATOR NAME:

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	DATE	START	END	MODULES
A17. Attempt 1				
Attempt 2				
Attempt 3				

HH MM HH MM

ENUMERATOR>> NEXT PAGE

A18. SUPERVISOR CODE:

--	--	--

A19. SUPERVISOR NAME:

---

A20. DATE OF INSPECTION:

--	--	--	--

DD MM YYYY

**VISIT 2 (ONLY APPLICABLE FOR PANEL HOUSEHOLDS)**

A24. ENUMERATOR CODE:

--	--	--

A25. ENUMERATOR NAME:

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	DATE	START	END	MODULES
A26. Attempt 1				
Attempt 2				
Attempt 3				

HH MM HH MM

ENUMERATOR>> NEXT PAGE

A27. SUPERVISOR CODE:

--	--	--

A28. SUPERVISOR NAME:

---

A29. DATE OF INSPECTION:

--	--	--	--

DD MM YYYY

RECORD GENERAL NOTES ABOUT THE INTERVIEW AND ANY SPECIAL INFORMATION THAT WILL BE HELPFUL FOR SUPERVISORS AND DATA ANALYSIS.

RECORD GENERAL NOTES ABOUT THE INTERVIEW AND ANY SPECIAL INFORMATION THAT WILL BE HELPFUL FOR SUPERVISORS AND DATA ANALYSIS.

PLEASE MARK AN 'X' IN BOX IF HOUSEHOLD REFUSAL. PROVIDE DETAILS.

--

PLEASE MARK AN 'X' IN BOX IF HOUSEHOLD REFUSAL. PROVIDE DETAILS.

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**AG-MODULE B\_1: GARDEN (MUNDA) ROSTER - RAINY SEASON**

B\_A-1. **ENUMERATOR:** REFER TO THE HOUSEHOLD QUESTIONNAIRE, MODULE X. WHAT WAS THE REFERENCE RAINY SEASON FOR THIS HOUSEHOLD?

2014/2015...1   
2015/2016...2

B\_1\_01. During the [REFERENCE RAINY SEASON], did you OR any member of your household own any land OR cultivate any land? YES...1  
NO...2 >> AG-MODULE E

**ENUMERATOR:** RECORD START DATE & TIME FOR MODULE B-1:

DAY	MONTH	HOURS	MINUTES
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**TABLE A** A GARDEN (MUNDA) IS A CONTINUOUS PIECE OF LAND AND SHOULD NOT BE SPLIT BY A RIVER OR A PATH WIDE ENOUGH TO FIT AN OX-CART OR VEHICLE. A GARDEN CAN CONTAIN ONE OR MORE PLOTS.  
A PLOT IS DEFINED AS A CONTINUOUS PIECE OF LAND ON WHICH A UNIQUE CROP OR A MIXTURE OF CROPS IS GROWN, UNDER A UNIFORM, CONSISTENT CROP MANAGEMENT SYSTEM.  
A PLOT MUST BE CONTINUOUS AND SHOULD NOT BE SPLIT BY A PATH OF MORE THAN ONE METRE IN WIDTH. PLOT BOUNDARIES ARE DEFINED ACCORDING TO THE CROPS GROWN AND THE OPERATOR.  
Please list all GARDENS (MUNDA) you or anyone in your household owned or cultivated during the [REFERENCE RAINY SEASON]. Do NOT list gardens only cultivated with cassava during the [REFERENCE RAINY SEASON].

COLUMN A	B_1_02	B_1_03	B_1_03_0	B_1_03_1	B_1_03_2	B_1_03_3	B_1_04	B_1_05	B_1_06	B_1_06a	B_1_07
GARDEN (MUNDA) ID	GARDEN (MUNDA) NAME	LOCATION & DESCRIPTION	ENUMERATOR: IS THIS A CROSS-SECTIONAL HOUSEHOLD?	IF THIS GARDEN (MUNDA) WAS OWNED/ CULTIVATED DURING THE 2012/13 RAINY SEASON, ENTER IHPS GARDEN ID FROM TRACKING FORM TO QUESTION 22.	RECORD THE NUMBER OF PLOTS CONTAINED IN THIS GARDEN (MUNDA).	Is this [GARDEN] the same piece of land on which the dwelling is located?	What is the area of this [GARDEN]?  <b>ENUMERATOR:</b> ASK THE FARMER TO ESTIMATE THE AREA FIRST. MEASURE THE AREA WITH THE GPS LATER. MAKE SURE TO MEASURE THE PLOT AREA WITH GPS AT LEAST TWICE TO GET A CONSISTENT VALUE. RECORD ZEROS TO THE RIGHT OF THE DECIMAL. <b>CODES FOR UNIT:</b> ACRE.....1 HECTARE.....2 SQUARE METERS...3 YARDS.....4 OTHER (SPECIFY)...5	<b>ENUMERATOR:</b> RECORD THE COORDINATES FOR THE CORNER OF THE GARDEN AT WHICH YOU STARTED AREA MEASUREMENT.  IF YOU DID NOT RECORD THE GPS COORDINATES, PLEASE SPECIFY REASON.  <b>CODES FOR REASON:</b> LONG DISTANCE WITHIN THIS DISTRICT.....1 LONG DISTANCE OUTSIDE THIS DISTRICT.....2 HOUSEHOLD REFUSED.....3	ENUMERATOR: RECORD NUMBER OF SATELLITES GPS TRACKED TO CAPTURE GARDEN COORDINATES	ENUMERATOR: RECORD GPS ACCURACY	ENUMERATOR: RECORD THE WEATHER CONDITIONS AT TIME OF MEASUREMENT  <b>CODES FOR CONDITION:</b> Clear/Sunny....1 Mostly Clear / Mostly Sunny...2 Partly Cloudy / Partly Sunny...3 Mostly Cloudy / Cloudiness....4 Completely Cloudy.....5 Rainy.....6
			YES...1>>3_2 NO...2	ELSE, ENTER 99		YES...1 NO...2	a. FARMER ESTIMATION AREA UNIT b. GPS MEASURE AREA IN ACRES	a. LATITUDE (S) b. LONGITUDE (E) REASON			

RG01											
RG02											
RG03											
RG04											
RG05											
RG06											
RG07											
RG08											

**ENUMERATOR:** RECORD PRIMARY RESPONDENT ID FOR MODULE B\_1:

**ENUMERATOR:** RECORD END TIME FOR MODULE B\_1:

HOURS MINUTES









**AG-MODULE C: PLOT ROSTER - [RAINY SEASON]**

ENUMERATOR: RECORD START DATE & TIME FOR MODULE C:

DAY	MONTH	HOURS	MINUTES

**TABLE A**  
**A GARDEN (MUNDA) IS A CONTINUOUS PIECE OF LAND AND SHOULD NOT BE SPLIT BY A RIVER OR A PATH WIDE ENOUGH TO FIT AN OX-CART OR VEHICLE. A GARDEN CAN CONTAIN ONE OR MORE PLOTS.**  
**A PLOT IS DEFINED AS A CONTINUOUS PIECE OF LAND ON WHICH A UNIQUE CROP OR A MIXTURE OF CROPS IS GROWN, UNDER A UNIFORM, CONSISTENT CROP MANAGEMENT SYSTEM.**  
**A PLOT MUST BE CONTINUOUS AND SHOULD NOT BE SPLIT BY A PATH OF MORE THAN ONE METRE IN WIDTH. PLOT BOUNDARIES ARE DEFINED ACCORDING TO THE CROPS GROWN AND THE OPERATOR.**  
 Please list **all PLOTS on all GARDENS (MINDA)** that you or anyone in your household **owned** or **cultivated** during the **[REFERENCE RAINY SEASON]**.

PLOT ID	C02 PLOT NAME	C03 LOCATION & DESCRIPTION	C03_2 RECORD GARDEN ID OF THE GARDEN THAT THE PLOT IS A PART OF. CONSULT AG MODULE B 1 COLUMN A.	C04 What is the area of this [PLOT]?  ENUMERATOR: ASK THE FARMER TO ESTIMATE THE AREA FIRST. MEASURE THE AREA WITH THE GPS BEFORE PROCEEDING WITH THE REMAINING MODULES. MAKE SURE TO MEASURE THE PLOT AREA WITH GPS <b>AT LEAST TWICE</b> TO GET A CONSISTENT VALUE. RECORD ZEROS TO THE RIGHT OF THE DECIMAL.  CODES FOR UNIT: ACRE.....1 HECTARE.....2 SQUARE METERS...3 YARDS.....4 OTHER (SPECIFY)..5	C05 ENUMERATOR: RECORD THE COORDINATES FOR THE CORNER OF THE PLOT AT WHICH YOU STARTED AREA MEASUREMENT.  IF YOU DID NOT RECORD THE GPS COORDINATES, PLEASE SPECIFY REASON.  CODES FOR REASON: LONG DISTANCE WITHIN THIS DISTRICT.....1 LONG DISTANCE OUTSIDE THIS DISTRICT.....2 HOUSEHOLD REFUSED.....3	C06 ENUMERATOR: RECORD NUMBER OF SATELLITES GPS TRACKED TO CAPTURE PLOT COORDINATES	C06_1 ENUMERATOR: RECORD GPS ACCURACY	C07 ENUMERATOR: RECORD THE WEATHER CONDITIONS AT TIME OF MEASUREMENT CODES FOR CONDITION: Clear/Sunny...1 Mostly Clear / Mostly Sunny..2 Partly Cloudy / Partly Sunny..3 Mostly Cloudy / Considerable Cloudiness....4 Completely Cloudy.....5 Rainy.....6	
	a. FARMER ESTIMATION		b. GPS MEASURE		a. LATITUDE (S)		b. LONGITUDE (E)		REASON
	AREA	UNIT	AREA IN ACRES						

R01						0	0		
R02						0	0		
R03						0	0		
R04						0	0		
R05						0	0		
R06						0	0		
R07						0	0		
R08						0	0		
R09						0	0		
R10						0	0		

ENUMERATOR: RECORD PRIMARY RESPONDENT ID FOR MODULE C:

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ENUMERATOR: RECORD END TIME FOR MODULE C:

HOURS	MINUTES















**AG-MODULE D: PLOT DETAILS - [REFERENCE RAINY SEASON] (CONTINUED)**

DATA ENTRY LINE NUMBER	PLOT ID	D56	D57	D58	D59	D60	D61	D61_1	D62	D63	D64	D68	D69	D70
		How many trees were removed in the past year from [PLOT]? (including border)  IF NONE, RECORD ZERO.	Did you cultivate this [PLOT] during the previous rainy season?  YES.1 NO..2>>62	At the end of the previous rainy season (before planting season for the reference rainy season), did you have cover crops remaining on the [PLOT]?  YES.1 NO..2>> 60	What type of cover crop was left on [PLOT]?  Mucuna (Velvet beans/Kalongonda).....1 Pigeon Pea (Nandole).....2 Lablab (Dolichos beans/nkhungudzu).....3 Sesbania Sesbans (Jerejere).....4 Cow Peas (Khobwe/Nseula).....5 Chick Pea (Tchana)....6 Peas (Nsawawa).....7 Other (Specify).....8	What did you do with the crop residues from this [PLOT] after the previous harvest?  Left in field and then ploughed/incorporated in to the field.....1>>61_1 Left in the field as a cover and not ploughed in.2>>61_1 Burned in the field.....3 Cut and removed from the field and fed to animals.....4>>61_1 Cut and removed from the field for HH use.....5>>61_1 Grazed by animals.....6>>61_1	In what month during the previous year was [PLOT] burned?  CODES FOR MONTH: JANUARY...1 FEBRUARY...2 MARCH.....3 APRIL.....4 MAY.....5 JUNE.....6 JULY.....7 AUGUST....8 SEPTEMBER..9 OCTOBER...10 NOVEMBER..11 DECEMBER..12	What percentage of the [PLOT] was covered by the residues after harvest?  ENUMERATOR : SEE PHOTO AID	How did you prepare land for planting on [PLOT] during the [REFERENCE RAINY SEASON]?  Traditional Ridging.....1 Tied or Box Ridging.....2 Planting Pits...3 >> 64 Zero Tillage...4 >> 64 Ripping.....5 Minimum Tillage (only part of field tilled; e.g. in zones or strips /contours).....6 Other (Specify).....7	What implements did you use to prepare land for planting on [PLOT] during the [REFERENCE RAINY SEASON]?  LIST UP TO 2. Hand Hoe.....1 Animal, mouldboard plough.....2 Animal, disc plough.....3 Animal, ripper.....4 Tractor, mouldboard plough.....5 Tractor, disc plough.....6 Tractor, ripper.....7 Other (Specify).....8  (THEN >> NEXT PLOT)	In what year did you first begin using the [PREPARATION PRACTICE] practice on [PLOT]?  During last 12 months.....1 2 years ago....2 3 years ago....3 4 years ago....4 5 years ago....5 More than 5 years ago.....6	Have you invested in soil and water erosion control structures (e.g. stone bunds, terraces, drainage ditches)?  YES.1 NO..2	What crop was planted in this [PLOT] following the previous rainy season?  CROP CODE	What crop do you plan to plant in this [PLOT] after the next rainy season?  CROP CODE
										IMPLEMENT #1	IMPLEMENT #2			
1														
2														
3														
4														
5														
6														
7														
8														

ENUMERATOR: RECORD PRIMARY RESPONDENT ID FOR MODULE D:

ENUMERATOR: RECORD END TIME  
 ID FOR MODULE D: [ ] HOURS [ ] MINUTES





**AG-MODULE E: COUPON USE - [REFERENCE RAINY SEASON] (CONTINUED)**

DATA ENTRY LINE NUMBER	E16 From whom or which firm/institution did [NAME] purchase the inputs by redeeming the [COUPON]?				E18 Did [NAME] sell the [COUPON] that [NAME] obtained during the [REFERENCE RAINY SEASON]?	E20 How much did [NAME] receive from the sale of the [COUPON]?	E21 To whom did [NAME] sell the [COUPON]?	E22 Did [NAME] give away [COUPON] to non-household members (family / friends) for free?	E24 Was the [COUPON] lost or stolen?	E26 Why did [NAME] not redeem the [COUPON]?	E27 Did your household obtain any FERTILIZER or MAIZE SEED coupons in the following previous rainy seasons?	E28 Did any members of this village obtain any fertiliser, maize or flexi seed input coupons during the [REFERENCE RAINY SEASON]?	E29 Were the following methods [...] used in allocating & distributing [COUPON] in the [REFERENCE RAINY SEASON]?				
	LIST FROM NETWORK ROSTER  (THEN >> 27)				ESTIMATE THE VALUE OF IN-KIND PAYMENTS.	LIST FROM NETWORK ROSTER	LIST FROM NETWORK ROSTER	Did not have enough money to buy inputs.1 input supplier was too far / inaccessible.....2 Accessible input supplier did not have the input..3 Coupon was obtained too late.....4 Preferred cash / other items .....5 Other (Specify).....6	READ RESPONSES. LIST UP TO 2.	Did not have enough money to buy inputs.1 input supplier was too far / inaccessible.....2 Accessible input supplier did not have the input..3 Coupon was obtained too late.....4 Preferred cash / other items .....5 Other (Specify).....6	YES...1 NO.....2	YES...1 NO...2 >>	FILL IN ENTIRE TABLE. FOR EACH OF THE THREE COUPON TYPES LISTED REPORT WHETHER OR NOT EACH OF THE FOUR YES...1 NO.....2				
	COUPON ID CODE	HH ROSTER ID CODE	COUPON TYPE	NETWORK ROSTER ID CODE	MK	NETWORK ROSTER ID CODE	YES..1>>27 NO...2	YES..1>>27 NO...2	YES..1>>27 NO...2	1ST	2ND	FERTILIZER COUPONS					
												Open Forum Allocation	Open Forum Distribution	Redistribution Following Open Forum	Later Supplementary Allocations		
1	501												Fertilizer coupons				
2	502												Maize seed coupons				
3	503												Flexi seed coupons				
4	504																
5	505																
6	506																
7	507																
8	508																

ENUMERATOR: RECORD PRIMARY RESPONDENT ID FOR MODULE E:  ID

ENUMERATOR: RECORD END TIME FOR MODULE E:  HOURS  MINUTES

**AG-MODULE F: OTHER INPUTS - [RAINY SEASON]**

**NOTE:** CONCERNING PANEL HOUSEHOLDS, ALL QUESTIONS ARE ADMINISTERED IN VISIT 1.

**ENUMERATOR:** RECORD START DATE & TIME FOR MODULE F:

DAY	MONTH	HOURS	MINUTES

F-0. **ENUMERATOR:** WHAT WAS THE REFERENCE RAINY SEASON FOR THIS HOUSEHOLD?

2014/2015...1	2015/2016...2	<input type="checkbox"/>
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**ENUMERATOR:** FIRST, FILL THE FIRST TWO COLUMNS & QUESTIONS 1 & 2. THEN, GO THROUGH THE ENTIRE MODULE (STARTING WITH Q. 3) FOR EACH ROW, ONE ROW AT A TIME.

<p>A. Did you or anyone in your household cultivate any plots during the [REFERENCE RAINY SEASON]?</p> <p>YES...1 NO...2&gt;&gt; NEXT MODULE</p>		<p><b>INPUT TYPE NAME</b></p> <p><b>INPUT TYPE CODE</b></p> <p><b>ENUMERATOR:</b> FOR ROW 101, ORGANIC FERTILIZER (MANURE), NO INPUT TYPE CODE IS NECESSARY.</p> <p>FOR ROWS 102-105, REFER TO THE INPUT TYPE CODES OF THE INORGANIC FERTILIZERS USED ON THE PLOTS, AS REPORTED IN MODULE D QUESTION 39.</p> <p>IF THE FARMER HAS MIXED TWO OR MORE FERTILIZERS IN ANY OF THE APPLICATIONS, YOU MUST LIST THE CODES OF ALL TYPES OF FERTILIZERS USED, EVEN THOUGH THEY MAY NOT ALL BE LISTED IN QUESTION 39.</p> <p>FOR ROWS 106-109, REFER TO THE INPUT TYPE CODES OF THE PESTICIDES/ HERBICIDES USED ON THE PLOTS, AS REPORTED IN MODULE D QUESTION 41.</p>	<p>F01</p> <p><b>ENUMERATOR:</b> FOR ROW 101, ORGANIC FERTILIZER (MANURE), ENTER THE TOTAL QUANTITY, AS REPORTED IN MODULE D QUESTION 37.</p> <p>FOR ROWS 102-105, ENTER THE TOTAL KGs USED FOR EACH TYPE OF INORGANIC FERTILIZER, AND CHECK THAT THE TOTAL KGs REPORTED HERE IN THIS QUESTION FOR ALL FERTILIZERS MATCHES THE TOTAL KGs REPORTED IN MODULE D QUESTION 39 OVER BOTH APPLICATIONS AND ALL PLOTS.</p> <p>FOR ROWS 106-109, ENTER THE TOTAL AMOUNT USED FOR EACH TYPE OF PESTICIDES/HERBICIDES OVER ALL PLOTS, AS REPORTED IN MODULE D QUESTION 41.</p> <p><b>CODES FOR UNIT:</b>                  GRAM.....1      BUCKET.....10                  KILOGRAM.....2      WHEELBARROW.11                  LITER.....8      OX CART.....12                  MILLILITER...9      OTHER (SPECIFY)...13</p>	<p>F02</p> <p><b>ENUMERATOR:</b> ASK THE FARMER WHETHER THE FIGURES FROM QUESTION 1 CORRESPOND TO THE AMOUNT OF EACH TYPE OF INPUT USED DURING THE [REFERENCE RAINY SEASON].</p> <p>YES, THE FIGURES MATCHED...1</p> <p>NO, THE ENTRIES IN MODULE D, AND QUESTION 1 OF MODULE F WERE ADJUSTED...2</p>	<p>F03</p> <p>During the [REFERENCE RAINY SEASON], did all of this [INPUT] come from purchases by using coupons / vouchers?</p> <p>YES...1 &gt;&gt; NEXT ROW NO...2</p>
			<b>QUANTITY</b>	<b>UNIT</b>	

X	ORGANIC FERTILIZER	101	ORGANIC FERTILIZER	<input checked="" type="checkbox"/>			
	INORGANIC FERTILIZER TYPE # 1	102					
	INORGANIC FERTILIZER TYPE # 2	103					
	INORGANIC FERTILIZER TYPE # 3	104					
	INORGANIC FERTILIZER TYPE # 4	105					
	PESTICIDES/HERBICIDES TYPE # 1	106					
	PESTICIDES/HERBICIDES TYPE # 2	107					
	PESTICIDES/HERBICIDES TYPE # 3	108					
	PESTICIDES/HERBICIDES TYPE # 4	109					





**AG-MODULE F: OTHER INPUTS - [RAINY SEASON] (CONTINUED)**

	INPUT TYPE NAME	INPUT TYPE CODE	F18 How much did you pay for transportation to acquire the [INPUT] that you purchased without coupons / vouchers or purchased on credit from [FIRST SOURCE] during the [REFERENCE RAINY SEASON]?  INCLUDE ALL TRIPS FROM AND BACK TO THE FARM.	F19 What was the value of the [INPUT] that you purchased without coupons / vouchers or purchased on credit from [FIRST SOURCE] during the [REFERENCE RAINY SEASON]?	F20 How did you <u>finance</u> this [INPUT] purchase from [FIRST SOURCE]?  READ RESPONSES  Paid in full, with own-savings..1>>24 Received on credit.....2 Part own-savings, part on credit....3	F21 How much did you <u>pay up-front</u> for this [INPUT] purchase?  INCLUDE CASH PAYMENTS AND ESTIMATED VALUE OF IN-KIND PAYMENTS.  IF NOTHING, RECORD ZERO.	F22 How much did you <u>repay</u> /will you repay?  INCLUDE CASH PAYMENTS AND ESTIMATED VALUE OF IN-KIND PAYMENTS.	F23 What was the <u>source of credit</u> for this [INPUT] purchase?  LIST FROM NETWORK ROSTER	F24 Was there a SECOND SOURCE from whom you purchased any of the [INPUT] without coupons / vouchers or on credit during the [REFERENCE RAINY SEASON]?  YES..1 NO...2>>37
	COPY INPUT TYPE NAME & INPUT TYPE CODE FROM PREVIOUS PAGE.		MK	MK		MK	MK	NETWORK ROSTER ID CODE	
101	ORGANIC FERTILIZER	<del>X</del>							
102									
103									
104									
105									
106									
107									
108									
109									





**AG-MODULE F: OTHER INPUTS - [RAINY SEASON] (CONTINUED)**

		LEFT-OVER [INPUT]		OWN-PRODUCED ORGANIC FERTILIZER			
INPUT TYPE NAME	INPUT TYPE CODE	F41	F42	F43	F44		
		Was any of the [INPUT] that you used during the [REFERENCE RAINY SEASON] left over from a previous season?	How much of the [INPUT] that you used during the [REFERENCE RAINY SEASON] was left over from a previous season?  CODES FOR UNIT: GRAM.....1 KILOGRAM....2 2 KG BAG....3 3 KG BAG....4 5 KG BAG....5 10 KG BAG....6 50 KG BAG....7 LITER.....8 MILLILITER..9 BUCKET.....10 WHEELBARROW.11 OX CART.....12 OTHER (SPECIFY)...13	Did you use any ORGANIC FERTILIZER out of own-production or own animals during the [REFERENCE RAINY SEASON]?	How much of the ORGANIC FERTILIZER was used out of own-production or own animals during the [REFERENCE RAINY SEASON]?  CODES FOR UNIT: GRAM.....1 KILOGRAM....2 2 KG BAG....3 3 KG BAG....4 5 KG BAG....5 10 KG BAG....6 50 KG BAG....7 LITER.....8 MILLILITER..9 BUCKET.....10 WHEELBARROW.11 OX CART.....12 OTHER (SPECIFY)...13		
COPY INPUT TYPE NAME & INPUT TYPE CODE FROM PREVIOUS PAGE.		YES..1 NO...2> 43	QUANTITY	UNIT	YES..1 NO...2 >> NEXT ROW	QUANTITY	UNIT
101	ORGANIC FERTILIZER	<del>X</del>					
102							
103							
104							
105							
106							
107							
108							
109							

ENUMERATOR:  
RECORD  
PRIMARY  
RESPONDENT  
ID FOR MODULE E:

ID

ENUMERATOR:  
RECORD  
END TIME  
FOR MODULE E:

HOURS	MINUTES

**AG-MODULE G: CROPS - [RAINY SEASON]**

**NOTE:** CONCERNING PANEL HOUSEHOLDS, ALL QUESTIONS ARE ADMINISTERED IN VISIT 1 UNLESS STATED OTHERWISE.

**ENUMERATOR:** RECORD START DATE & TIME FOR MODULE G:

DAY	MONTH	HOURS	MINUTES

G-0. **ENUMERATOR:** WHAT WAS THE REFERENCE RAINY SEASON FOR THIS HOUSEHOLD? 2014/2015...1 2015/2016...2

	PLOT ID	CROP NAME	CROP CODE	ENUMERATOR: RECORD PRIMARY RESPONDENT ID	G0A What is the primary variety of [CROP] being cultivated on this [PLOT]?	G0B Is the variety local or improved ?	GOB_1 Is the variety recyclable?	GOB_2 When did you last buy the seed you planted on this [PLOT]?	G01 What type of crop stand was on the [PLOT]?	G02 Was the [CROP] planted in the entire area of the plot?	G03 Approximately, how much of the [PLOT] is under [CROP]?	G04 How much seed did you plant for the [CROP] on this [PLOT] during the [REFERENCE RAINY SEASON]?	G05 When did you plant the seeds for the [CROP] on this [PLOT] during the [REFERENCE RAINY SEASON]?	G06 ENUMERATOR: IS THIS A CROSS-SECTIONAL HOUSEHOLD?	G07 Have you completed the harvest of the [CROP] from this [PLOT]?	
					ENUMERATOR: THIS IS ONLY ASKED FOR SPECIFIC CROPS.				Pure Stand/ Sole .....1>>4  Strip Intercrop..2  Row Intercrop..3  Relay Intercrop..4  Mixed Intercrop..5		Less than 1/4.....1  1/4.....2  1/2.....3  3/4.....4  More than 3/4.....5	CODES FOR UNIT: GRAM.....1 KILOGRAM...2 2 KG BAG...3 3 KG BAG...4 3.7 KG BAG..5 5 KG BAG...6 10 KG BAG...7 50 KG BAG...8 OTHER (SPECIFY)...9	CODES FOR MONTH: JANUARY...1 FEBRUARY...2 MARCH.....3 APRIL.....4 MAY.....5 JUNE.....6 JULY.....7 AUGUST...8 SEPTEMBER..9 OCTOBER...10 NOVEMBER..11	YES...1 NO...2	YES...1>>9 NO...2	
					HHID CODE	VARIETY CODE	LOCAL.....1 >>GOB_2 IMPROVED...2	YES...1 NO...2	YEAR (4-DIG.)			QUANTITY	UNIT	MON.	YEAR (4-DIG.)	
X																

YES...1  
NO...2>>AG-MODULE J

**ENUMERATOR:** DO NOT LIST CASSAVA, TEA, COFFEE, ANY FRUITS.  
  
ASK THE FOLLOWING ABOUT ALL TYPES OF CROPS PLANTED IN THE PLOTS CULTIVATED DURING THE [REFERENCE RAINY SEASON], EVEN IF THE FARMER WAS NOT ABLE TO HARVEST ANYTHING.

FOR EACH PLOT, RECORD THE PLOT ID AND LIST ALL CROPS THAT WERE PLANTED, BEFORE MOVING TO THE NEXT PLOT.

ONCE LISTING IS COMPLETED, GO THROUGH THE ENTIRE MODULE FOR EACH ROW, ONE ROW AT A TIME.













**AG-MODULE H: SEEDS - [RAINY SEASON] (CONTINUED)**

SEED TYPE NAME	SEED TYPE CODE	FREE [SEED]				LEFT-OVER [SEED]				ENUMERATOR: BEFORE MOVING TO THE NEXT MODULE, MAKE SURE THAT THE NUMBER OF SEEDS RECORDED IN THIS MODULE IS EQUAL TO THE NUMBER OF UNIQUE CROP VARIETIES IDENTIFIED IN THE AG-MODULE G.
		H37 Did you receive any of the [SEED] for free during the [REFERENCE RAINY SEASON]?	H38 How much of the [SEED] did you receive in total for free during the [REFERENCE RAINY SEASON]?	H39 During the [REFERENCE RAINY SEASON], from whom did you receive the [SEED] for free?  LIST UP TO 2 FROM NETWORK ROSTER	H40 How much did you pay for transportation in total to acquire all of the [SEED] that you received for free during the [REFERENCE RAINY SEASON]?	H41 Was any of the [SEED] that you used during the [REFERENCE RAINY SEASON] left over from a previous season?	H42 How much of the [SEED] that you used during the [REFERENCE RAINY SEASON] left over from a previous season?	H43 Why did you choose to use this [SEED]?  READ RESPONSES		
COPY SEED TYPE NAME & SEED TYPE CODE FROM PREVIOUS PAGE.		EXCLUDE ANY [SEED] LEFT OVER FROM PREVIOUS SEASON.	CODES FOR UNIT: GRAM.....1 KILOGRAM....2 2 KG BAG....3 3 KG BAG....4 3.7 KG BAG...5 5 KG BAG....6 10 KG BAG....7 50 KG BAG....8 OTHER (SPECIFY)....9	NETWORK ROSTER ID CODE #1 NETWORK ROSTER ID CODE #2	MK	YES..1 NO...2>>43	CODES FOR UNIT: GRAM.....1 KILOGRAM....2 2 KG BAG....3 3 KG BAG....4 3.7 KG BAG...5 5 KG BAG....6 10 KG BAG....7 50 KG BAG....8 OTHER (SPECIFY)....9	QUANTITY UNIT	QUANTITY UNIT	Improved variety is too expensive.....1 Preference for traditional variety.....2 Advice from extension officer.3 Advice from input supplier.....4 Advice from fellow farmer.....5 Seed received through the voucher program.....6 Other (Specify)..7 (THEN >> NEXT ROW)
201										
202										
203										
204										
205										
206										
207										
208										
209										

ENUMERATOR:  
RECORD PRIMARY RESPONDENT ID FOR MODULE H:

ID

ENUMERATOR:  
RECORD END TIME FOR MODULE H:

--	--

HOURS MINUTES























**AG-MODULE J: PLOT ROSTER - DRY (DIMBA) SEASON**

ENUMERATOR: RECORD START DATE & TIME FOR MODULE N:

DAY	MONTH	HOURS	MINUTES

ENUMERATOR: RECORD THE ID CODES FOR ALL GARDENS LISTED IN MODULES B\_1 &

--	--	--	--	--	--	--	--

**TAB. E A** A GARDEN (MUNDA) IS A CONTINUOUS PIECE OF LAND AND SHOULD NOT BE SPLIT BY A RIVER OR A PATH WIDE ENOUGH TO FIT AN OX-CART OR VEHICLE. A GARDEN CAN CONTAIN ONE OR MORE PLOTS.  
 A PLOT IS DEFINED AS A CONTINUOUS PIECE OF LAND ON WHICH A UNIQUE CROP OR A MIXTURE OF CROPS IS GROWN, UNDER A UNIFORM, CONSISTENT CROP MANAGEMENT SYSTEM.  
 A PLOT MUST BE CONTINUOUS AND SHOULD NOT BE SPLIT BY A PATH OF MORE THAN ONE METRE IN WIDTH. PLOT BOUNDARIES ARE DEFINED ACCORDING TO THE CROPS GROWN AND THE OPERATOR.  
 Please list all PLOT on all GARDENS (MUNDA) you or anyone in your household cultivated during the [REFERENCE DIMBA SEASON].

PLOT ID	J02 PLOT NAME	J03 LOCATION & DESCRIPTION	J03_2 RECORD <b>JHS4</b> GARDEN ID OF THE GARDEN THAT THE PLOT IS A PART OF. CONSULT <b>THE LIST OF GARDENS ABOVE.</b>	J04 What is the <u>area</u> of this [PLOT]?  ENUMERATOR: ASK THE FARMER TO ESTIMATE THE AREA FIRST. MEASURE THE AREA WITH THE GPS BEFORE CONTINUING WITH THE REMAINING MODULES. MAKE SURE TO MEASURE THE PLOT AREA WITH GPS <u>AT LEAST TWICE</u> TO GET A CONSISTENT VALUE. RECORD ZEROS TO THE RIGHT OF THE DECIMAL. <u>CODES FOR UNIT:</u> ACRE.....1 HECTARE.....2 SQUARE METERS...3 YARDS.....4 OTHER (SPECIFY)..5	J05 ENUMERATOR: RECORD THE <u>COORDINATES</u> FOR THE CORNER OF THE PLOT AT WHICH YOU STARTED AREA MEASUREMENT.  IF YOU DID NOT RECORD THE GPS COORDINATES, PLEASE SPECIFY REASON.  <u>CODES FOR REASON:</u> LONG DISTANCE WITHIN THIS DISTRICT.....1 LONG DISTANCE OUTSIDE THIS DISTRICT.....2 HOUSEHOLD REFUSED.....3	J06 ENUMERATOR: RECORD NUMBER OF SATELLITES GPS TRACKED TO CAPTURE PLOT COORDINATES	J06_1 ENUMERATOR: RECORD GPS ACCURACY	J07 ENUMERATOR: RECORD THE WEATHER CONDITIONS AT TIME OF MEASUREMENT  <u>CODES FOR CONDITION</u> Clear/Sunny.....1 Mostly Clear / Mostly Sunny.....2 Partly Cloudy / Partly Sunny.....3 Mostly Cloudy / Considerable Cloudiness.....4 Completely Cloudy...5 Rainy.....6	
	a. FARMER ESTIMATION		b. GPS MEASURE		a. LATITUDE (S)		b. LONGITUDE (E)		REASON
	AREA	UNIT	AREA IN ACRES						

D01										
D02										
D03										
D04										
D05										
D06										
D07										
D08										

ENUMERATOR: RECORD PRIMARY RESPONDENT ID FOR MODULE N:

--

ENUMERATOR: RECORD END TIME FOR MODULE N:

HOURS	MINUTES













**AG-MODULE L: OTHER INPUTS - DRY (DIMBA) SEASON**

**NOTE:** CONCERNING PANEL HOUSEHOLDS, ALL QUESTIONS ARE ADMINISTERED IN VISIT 2.

**ENUMERATOR:** RECORD START DATE & TIME FOR MODULE L:

DAY	MONTH	HOURS	MINUTES

L-0. **ENUMERATOR:** WHAT WAS THE REFERENCE DIMBA SEASON FOR THIS HOUSEHOLD?

2015...1	2016...2	
----------	----------	--

**ENUMERATOR:** FIRST, FILL THE FIRST TWO COLUMNS & QUESTIONS 1 & 2. THEN, GO THROUGH THE ENTIRE MODULE (STARTING WITH Q. 3) FOR EACH ROW, ONE ROW AT A TIME.

<p>L0A. Did you or anyone in your household cultivate any plots during the [REFERENCE DIMBA SEASON]?</p> <p>YES..1 NO...2&gt;&gt; NEXT MODULE</p>		<p><b>INPUT TYPE NAME</b></p> <p><b>INPUT TYPE CODE</b></p> <p><b>ENUMERATOR:</b> FOR ROW 101, ORGANIC FERTILIZER (MANURE), NO INPUT TYPE CODE IS NECESSARY.</p> <p>FOR ROWS 102-105, REFER TO THE INPUT TYPE CODES OF THE INORGANIC FERTILIZERS USED ON THE PLOTS, AS REPORTED IN MODULE L QUESTION 40.</p> <p>IF THE FARMER HAS MIXED TWO OR MORE FERTILIZERS IN ANY OF THE APPLICATIONS, YOU MUST LIST THE CODES OF ALL TYPES OF FERTILIZERS USED, EVEN THOUGH THERE MAY NOT ALL BE LISTED IN QUESTION 40.</p> <p>FOR ROWS 106-109, REFER TO THE INPUT TYPE CODES OF THE PESTICIDES/ HERBICIDES USED ON THE PLOTS, AS REPORTED IN MODULE L QUESTION 42.</p>	<p>L01 <b>ENUMERATOR:</b> FOR ROW 101, ORGANIC FERTILIZER (MANURE), ENTER THE TOTAL QUANTITY, AS REPORTED IN MODULE L QUESTION 38.</p> <p>FOR ROWS 102-105, ENTER THE TOTAL KGs USED FOR EACH TYPE OF INORGANIC FERTILIZER, AND CHECK THAT THE TOTAL KGs REPORTED HERE IN THIS QUESTION FOR ALL FERTILIZERS MATCHES THE TOTAL KGs REPORTED IN MODULE L QUESTION 40 OVER BOTH APPLICATIONS AND ALL PLOTS.</p> <p>FOR ROWS 106-109, ENTER THE TOTAL AMOUNT USED FOR EACH TYPE OF PESTICIDES/HERBICIDES OVER ALL PLOTS, AS REPORTED IN MODULE L QUESTION 42.</p> <p><b>CODES FOR UNIT:</b>                  GRAM.....1      BUCKET.....10                  KILOGRAM.....2      WHEELBARROW.11                  LITER.....8      OX CART.....12                  MILLILITER...9      OTHER (SPECIFY)...13</p>	<p>L02 <b>ENUMERATOR:</b> ASK THE FARMER WHETHER THE FIGURES FROM QUESTION 1 CORRESPOND TO THE AMOUNT OF EACH TYPE OF INPUT USED DURING THE [REFERENCE DIMBA SEASON].</p> <p>YES, THE FIGURES MATCHED...1</p> <p>NO, THE ENTRIES IN MODULE K, AND QUESTION 1 OF MODULE L WERE ADJUSTED..2</p>	<p>L03 During the [REFERENCE DIMBA SEASON], did all of this [INPUT] come from purchases by using coupons / vouchers?</p> <p>YES..1 &gt;&gt;NEXT ROW NO...2</p>	
			<b>QUANTITY</b>	<b>UNIT</b>		

X	ORGANIC FERTILIZER	101	ORGANIC FERTILIZER	<del>X</del>			
	INORGANIC FERTILIZER TYPE # 1	102					
	INORGANIC FERTILIZER TYPE # 2	103					
	INORGANIC FERTILIZER TYPE # 3	104					
	INORGANIC FERTILIZER TYPE # 4	105					
	PESTICIDES/HERBICIDES TYPE # 1	106					
	PESTICIDES/HERBICIDES TYPE # 2	107					
	PESTICIDES/HERBICIDES TYPE # 3	108					
PESTICIDES/HERBICIDES TYPE # 4	109						

**AG-MODULE L: OTHER INPUTS - DRY (DIMBA) SEASON (CONTINUED)**

**COMMERCIAL [INPUT] PURCHASES**

INPUT TYPE NAME	INPUT TYPE CODE	L04 During the [REFERENCE DIMBA SEASON], did you purchase any [INPUT] without coupons/ vouchers or purchase any [INPUT] on credit?  YES..1 NO...2>>37	L05 ENUMERATOR: IS THIS A CROSS-SECTIONAL HOUSEHOLD?  YES..1 NO...2>>15	L06 Who/Which firms/institutions were the sources of the [INPUT] that you purchased without coupons / vouchers or purchased on credit during the [REFERENCE DIMBA SEASON]?  LIST UP TO 2 FROM NETWORK ROSTER		L07 How much of the [INPUT] was purchased without coupons / vouchers or purchased on credit during the [REFERENCE DIMBA SEASON]? RECORD TOTAL QUANTITY, REGARDLESS OF SOURCE.  CODES FOR UNIT: GRAM.....1 KILOGRAM....2 2 KG BAG....3 3 KG BAG....4 5 KG BAG....5 10 KG BAG...6 50 KG BAG...7 LITER.....8 MILLILITER...9 BUCKET.....10 WHEELBARROW.11 OX CART....12 OTHER (SPECIFY)...13	L08 What was the main mode of transportation used to bring back all of the input that you purchased without coupons / vouchers or purchased on credit during the [REFERENCE DIMBA SEASON]?  READ RESPONSES  On Foot.....1 Bicycle Taxi...2 Own Bicycle or Oxcart.....3 Truck / Bus / Minibus.....4 Other (Specify).....5	L09 How much did you pay for transportation to acquire all of the [INPUT] that you purchased without coupons / vouchers or purchased on credit during the [REFERENCE DIMBA SEASON]?  INCLUDE ALL TRIPS FROM AND BACK TO THE FARM.	L10 What was the value of all of the [INPUT] that you purchased without coupons / vouchers or purchased on credit during the [REFERENCE DIMBA SEASON]?		
				NETWORK ROSTER ID CODE # 1	NETWORK ROSTER ID CODE # 2					QUANTITY	UNIT
101	ORGANIC FERTILIZER										
102											
103											
104											
105											
106											
107											
108											
109											

COPY INPUT TYPE NAME & INPUT TYPE CODE FROM PREVIOUS PAGE.





























**AG-MODULE O: SALES/STORAGE - DRY (DIMBA) SEASON (CONTINUED)**

CROP NAME	CROP CODE	LARGEST BUYER/OUTLET														
		O09 What was the <u>main mode of transportation</u> associated with all [CROP] sales?  READ RESPONSES  On Foot.....1 Bicycle Taxi....2 Own Bicycle or Oxcart.....3 Truck / Bus / Minibus.....4 Buyer picked up the crop.....5 Other (Specify).....6	O10 What was the <u>total cost of transportation</u> associated with all [CROP] sales?  INCLUDE ALL TRIPS FROM AND BACK TO THE FARM.  IF NOTHING, RECORD ZERO.  (THEN>>31)	O11 Who/What was the <u>[LARGEST BUYER/OUTLET]</u> for your [CROP] sales?  LIST FROM NETWORK ROSTER	O12 How much of the harvested [CROP] was sold to [LARGEST BUYER/ OUTLET]?  FOR ALL APPLICABLE CROPS, MAKE SURE TO ASK WHETHER THE REPORTED VALUE IS SHELLED OR UNSHELLED.	O13 What was the <u>total value</u> of [CROP] sales to [LARGEST BUYER/ OUTLET]?  ESTIMATE THE VALUE OF IN-KIND PAYMENTS	O14 Who in your household <u>kept/decided</u> what to do with these earnings?  LIST UP TO 2 FROM HOUSEHOLD ROSTER	O15 When was most of the [CROP] sold to the [LARGEST BUYER /OUTLET]?  CODES FOR MONTH: JANUARY...1 FEBRUARY...2 MARCH.....3 APRIL.....4 MAY.....5 JUNE.....6 JULY.....7 AUGUST....8 SEPTEMBER..9 OCTOBER...10 NOVEMBER..11 DECEMBER..12	NETWORK ROSTER ID CODE	QUANTITY	UNIT	S/U	HH ROSTER ID CODE # 1	HH ROSTER ID CODE # 2	MONTH	YEAR (4-DIGIT)

TO ACCOMPANY INFORMATION COLLECTED ON "QUANTITY":

CODES FOR UNIT:  
 KILOGRAM.....1 NO. 10 PLATE..6 BALE.....10  
 50 KG BAG.....2 NO. 12 PLATE..7 OX-CART.....12  
 PAIL (SMALL)..4 BUNCH.....8 OTHER (SPECIFY)..13  
 PAIL (LARGE)..5 PIECE.....9  
 CODE FOR S/U:  
 S: SHELLED...1 U: UNSHELLED..2 NOT APPLICABLE..3





**AG-MODULE O: SALES/STORAGE - DRY (DIMBA) SEASON (CONTINUED)**

CROP NAME	CROP CODE	O32 How much of the harvested [CROP] during the [REFERENCE DIMBA SEASON] was given out as reimbursements for inputs borrowed or acquired on credit?  IF NOTHING, RECORD ZERO FOR "QUANTITY" AND CONTINUE TO 33. FOR ALL APPLICABLE CROPS, MAKE SURE TO ASK WHETHER THE REPORTED VALUE IS SHELLED OR UNSHELLED.			O33 How much of the harvested [CROP] during the [REFERENCE DIMBA SEASON] was used for animal feed?  EXCLUDE THE QUANTITY OF CROP USED AS ANIMAL FEED DUE TO PEST DAMAGE.  IF NOTHING, RECORD ZERO FOR "QUANTITY" AND CONTINUE TO 34. FOR ALL APPLICABLE CROPS, MAKE SURE TO ASK WHETHER THE REPORTED VALUE IS SHELLED OR UNSHELLED.			O34 How much of the harvested [CROP] during the [REFERENCE DIMBA SEASON] was used as input for [CROP] by-products that your household sold, if any, for cash/ in-kind goods/ services?  EXCLUDE CROP USED AS INPUT FOR OWN-PRODUCED BY-PRODUCTS CONSUMED AT HOME.  IF NOTHING, RECORD ZERO FOR "QUANTITY" AND CONTINUE TO 35. FOR ALL APPLICABLE CROPS, MAKE SURE TO ASK WHETHER THE REPORTED VALUE IS SHELLED OR UNSHELLED.			O35 How much of the harvested [CROP] during the [REFERENCE DIMBA SEASON] was saved for seed?  IF NOTHING, RECORD ZERO FOR "QUANTITY" AND CONTINUE TO 36. FOR ALL APPLICABLE CROPS, MAKE SURE TO ASK WHETHER THE REPORTED VALUE IS SHELLED OR UNSHELLED.			O36 How much of the the harvested [CROP] during the [REFERENCE DIMBA SEASON] was lost to rotting, insects, rodents, theft, etc. in the post-harvest period?  INCLUDE THE QUANTITY OF CROP USED AS ANIMAL FEED DUE TO PEST DAMAGE.  FILL IN OPTION 2/PERCENTAGE ONLY IF THE FARMER CANNOT PROVIDE AN APPROXIMATE QUANTITY FOR OPTION 1. IF NOTHING WAS LOST, RECORD ZERO FOR "QUANTITY" AND >> 38. FOR ALL APPLICABLE CROPS, MAKE SURE TO ASK WHETHER THE REPORTED VALUE IS SHELLED OR UNSHELLED.			O37 What was the <u>reason</u> for loss?  READ RESPONSES. LIST UP TO 2.		
		QUANTITY	UNIT	S/U	QUANTITY	UNIT	S/U	QUANTITY	UNIT	S/U	QUANTITY	UNIT	S/U	QUANTITY	UNIT	S/U	PERCENTAGE	1ST	2ND

TO ACCOMPANY INFORMATION COLLECTED ON "QUANTITY":

CODES FOR UNIT:  
 KILOGRAM.....1 NO. 10 PLATE..6 BALE.....10  
 50 KG BAG.....2 NO. 12 PLATE..7 OX-CART.....12  
 PAIL (SMALL)..4 BUNCH.....8 OTHER (SPECIFY)..13  
 PAIL (LARGE)..5 PIECE.....9  
 CODE FOR S/U:  
 S: SHELLED....1 U: UNSHELLED..2 NOT APPLICABLE..3

**AG-MODULE O: SALES/STORAGE - DRY (DIMBA) SEASON (CONTINUED)**

STORAGE										
CROP NAME	CROP CODE	O38	O39	O40	O41	O42				
		Do you have any of the harvested [CROP] in storage now?	What is your <u>main method</u> of storage for this crop?	How much of the harvested [CROP] during the [REFERENCE DIMBA SEASON] is being stored by your household?	What did you do to <u>protect</u> the stored [CROP]?	In general, when you store [CROP], what is usually the <u>main purpose</u> for storing it?	1ST	2ND	1ST	2ND
		YES..1 NO...2>>42	<p>READ RESPONSES.</p> <p>Unprotected pile.....1 Heaped in house.....2 Bags in house.....3 Chitandala in house...4 Chitandala outside...5 Traditional Nkhokwe....6 Improved Nkhokwe....7 Metallic Silo.....8 Other (Specify)...9</p>	<p>FOR ALL APPLICABLE CROPS, MAKE SURE TO ASK WHETHER THE REPORTED VALUE IS SHELLED OR UNSHELLED.</p>	<p>READ RESPONSES. LIST UP TO 2.</p> <p>Spraying.....1 Smoking.....2 Hired Guard.....3 Magic (Kutsirika).4 Did Nothing.....5 Other (Specify)...6</p>	<p>READ RESPONSES. LIST UP TO 2.</p> <p>Food for household...1 To sell at a higher price.....2 Seed for planting...3 Render payments in-kind.....4 Wait for the arrival of buyer.....5 Does not usually store.....6 Other (Specify).....7</p> <p>(THEN &gt;&gt; NEXT ROW)</p>				

TO ACCOMPANY INFORMATION COLLECTED ON "QUANTITY":

CODES FOR UNIT:  
 KILOGRAM.....1 NO. 10 PLATE..6 BALE.....10  
 50 KG BAG.....2 NO. 12 PLATE..7 OX-CART.....12  
 PAIL (SMALL)..4 BUNCH.....8 OTHER (SPECIFY)..13  
 PAIL (LARGE)..5 PIECE.....9  
 CODE FOR S/U:  
 S: SHELLED...1 U: UNSHELLED..2 NOT APPLICABLE..3

**AG-MODULE O 1: TREE/PERMANENT CROP GARDEN (MUNDA) ROSTER**

**NOTE:** CONCERNING PANEL HOUSEHOLDS, ALL QUESTIONS ARE ADMINISTERED IN VISIT 2. **ENUMERATOR:** RECORD START DATE & TIME FOR MODULE O\_1:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
DAY	MONTH	HOURS	MINUTES

O\_1\_01.IN ADDITION TO THE GARDENS DISCUSSED SO FAR, WERE THERE ANY **OTHER (ADDITIONAL)** GARDENS THAT YOU HAVE OWNED OR CULTIVATED WITH TREE/PERMANENT CROPS IN THE LAST 12 MONTHS?

YES...1  
NO...2 >> **NEXT MODULE**

**TABLE A** A GARDEN (MUNDA) IS A CONTINUOUS PIECE OF LAND AND SHOULD NOT BE SPLIT BY A RIVER OR A PATH WIDE ENOUGH TO FIT AN OX-CART OR VEHICLE. A GARDEN CAN CONTAIN ONE OR MORE PLOTS.  
A PLOT IS DEFINED AS A CONTINUOUS PIECE OF LAND ON WHICH A UNIQUE CROP OR A MIXTURE OF CROPS IS GROWN, UNDER A UNIFORM, CONSISTENT CROP MANAGEMENT SYSTEM.  
A PLOT MUST BE CONTINUOUS AND SHOULD NOT BE SPLIT BY A PATH OF MORE THAN ONE METRE IN WIDTH. PLOT BOUNDARIES ARE DEFINED ACCORDING TO THE CROPS GROWN AND THE OPERATOR.  
 Please list **all additional GARDENS (MINDA)** you or anyone in your household **owned** or **cultivated** during **the last 12 months**.

GARDEN (MUNDA) ID	O_1_02	O_1_03	g
	GARDEN (MINDA) NAME	LOCATION & DESCRIPTION	What is the area of this [GARDEN]?
	<b>ENUMERATOR:</b> ASK THE FARMER TO ESTIMATE THE AREA. <u>CODES FOR UNIT:</u> ACRE.....1 HECTARE.....2 SQUARE METERS...3 YARDS.....4 OTHER (SPECIFY)..5		
<b>a.</b>			
<b>FARMER ESTIMATION</b>			
		AREA	UNIT
TG01			----- .
TG02			----- .
TG03			----- .
TG04			----- .
TG05			----- .
TG06			----- .

**ENUMERATOR:** RECORD PRIMARY RESPONDENT ID FOR MODULE O\_1:

ID

**ENUMERATOR:** RECORD END TIME FOR MODULE O\_1:

<input type="text"/>	<input type="text"/>
HOURS	MINUTES

**AG-MODULE O 2: PLOT ROSTER - TREE/PERMANENT CROPS**

NOTE: CONCERNING PANEL HOUSEHOLDS, ALL QUESTIONS ARE ADMINISTERED IN VISIT 2.

O\_2\_001. DID YOU OR ANYONE IN YOUR HOUSEHOLD CULTIVATE/PRODUCE ANY TREE/PERMANENT CROPS IN THE LAST 12 MONTHS?1  
 NO...2 >> MODULE R

ENUMERATOR: RECORD START DATE & TIME FOR MODULE O-2:  

DAY	MONTH

HOURS	MINUTES

ENUMERATOR: RECORD THE ID CODES FOR ALL GARDENS LISTED IN MODULES B\_1, I 1 & O 1.

PLOT ID	O_2_02 PLOT NAME	O_2_03 LOCATION & DESCRIPTION	O_2_03_2 RECORD IHS4 GARDEN ID OF THE GARDEN THAT THE PLOT IS A PART OF. CONSULT THE LIST OF GARDENS ABOVE.	O_2_04 What is the area of this [PLOT]?  ENUMERATOR: ASK THE FARMER TO ESTIMATE THE AREA FIRST. MEASURE THE AREA WITH THE GPS BEFORE CONTINUING WITH THE REMAINING MODULES. MAKE SURE TO MEASURE THE PLOT AREA WITH GPS <b>AT LEAST TWICE</b> TO GET A CONSISTENT VALUE. RECORD ZEROS TO THE RIGHT OF THE DECIMAL. <u>CODES FOR UNIT:</u> ACRE.....1 HECTARE.....2 SQUARE METERS....3 YARDS.....4	O_2_05 ENUMERATOR: RECORD THE COORDINATES FOR THE CORNER OF THE PLOT AT WHICH YOU STARTED AREA MEASUREMENT.  IF YOU DID NOT RECORD THE GPS COORDINATES, PLEASE SPECIFY REASON.  <u>CODES FOR REASON:</u> LONG DISTANCE WITHIN THIS DISTRICT.....1 LONG DISTANCE OUTSIDE THIS DISTRICT.....2 HOUSEHOLD REFUSED.....3			O_2_06 ENUMERATOR: RECORD NUMBER OF SATELLITES GPS TRACKED TO CAPTURE PLOT COORDINATES	O_2_06_1 ENUMERATOR: RECORD GPS ACCURACY	O_2_07 ENUMERATOR: RECORD THE WEATHER CONDITIONS AT TIME OF MEASUREMENT <u>CODES FOR CONDITION:</u> Clear/Sunny...1 Mostly Clear / Mostly Sunny..2 Partly Cloudy / Partly Sunny..3 Mostly Cloudy / Considerable Cloudiness....4 Completely Cloudy.....5
	a. FARMER ESTIMATION		b. GPS MEASURE		a.		b.		REASON	
	AREA	UNIT	AREA IN ACRES		LATITUDE (S)	LONGITUDE (E)				
T01										
T02										
T03										
T04										
T05										
T06										
T07										
T08										

ENUMERATOR: RECORD PRIMARY RESPONDENT ID FOR MODULE O-2:  ID

ENUMERATOR: RECORD END TIME FOR MODULE O-2: 

HOURS	MINUTES























**AG-MODULE R: LIVESTOCK (CONTINUED)**

LIVESTOCK CODE	LIVESTOCK NAME	R23 Who provided the vaccination services for [LIVESTOCK]?  LIST UP TO 2 FROM NETWORK ROSTER		R23_1 What was the name of the vaccine?  REFER TO THE VACCINE CODES.	R24 Against which <u>main disease</u> did your household vaccinate [LIVESTOCK]?  REFER TO THE DISEASE CODES BELOW.	R25 During the last 12 months, how much did your household spend <b>in total</b> on <u>hired labor</u> for all types of livestock owned by your household? IF NONE, RECORD ZERO.	R26 During the last 12 months, how much did your household spend <b>in total</b> on <u>animal feed</u> for all types of livestock owned by your household ? <b>EXCLUDE OWN-CROPS USED AS ANIMAL FEED.</b> IF NONE, RECORD ZERO.	R27 During the last 12 months, how much did your household spend <b>in total</b> on <u>medicine and vaccinations</u> for all types of livestock owned by your household? IF NONE, RECORD ZERO.	R28 During the last 12 months, how much did your household spend <b>in total</b> on <u>other veterinary services</u> , including dipping, deworming and artificial insemination, for all types of livestock owned by your household? IF NONE, RECORD ZERO.	R29 During the last 12 months, how much did your household spend <b>in total</b> on housing equipment, feeding utensils or <u>any other input</u> for all types of livestock owned by your household? <b>EXCLUDE ALL LIVESTOCK-RELATED FARM STRUCTURES.</b> IF NONE, RECORD ZERO.
		NETWORK ROSTER ID CODE # 1	NETWORK ROSTER ID CODE # 2	VACCINE CODE	DISEASE CODE	MK	MK	MK	MK	MK
301	CALF									
302	STEER/HEIFER									
303	COW									
304	BULL									
3304	OX									
3305	DONKEY/MULE/HORSE									
307	GOAT									
308	SHEEP									
309	PIG									
3310	CHICKEN-LAYER/ CHICKEN-BROILER									
311	LOCAL-HEN									
313	LOCAL-COCK									
3314	TURKEY/GUINEA FOWL									
315	DUCK									
319	DOVE/PIGEON									
318	OTHER (SPECIFY)									

**CODES FOR 21 & 24 :**  
 African Swine Fever.....1  
 Anaplasmosis.....2  
 Brucellosis.....7  
 Mange.....18  
 New Castle Disease.....20  
 Small Pox.....22  
 Other/Specify.....25

**ENUMERATOR:  
 RECORD  
 END TIME  
 FOR MODULE R:**

HOURS	MINUTES



**AG-MODULE S: LIVESTOCK PRODUCTS (CONTINUED)**

PRODUCT CODE	PRODUCT NAME	S08 To whom did you sell most [PRODUCT] that you sold?	S09 How much of the [PRODUCT] produced did your household consume in the last 12 months?  IF NOTHING, RECORD ZERO FOR "QUANTITY" AND CONTINUE TO 10.  <u>CODES FOR UNIT:</u> LITRE.....1 KILOGRAM....2 PIECE.....3 BUCKET.....4 WHEELBARROW..5 OX CART.....6 OTHER (SPECIFY)....7	S10 How much of the [PRODUCT] produced did you give out in the last 12 months as gifts or reimbursements for land, labour or any other service received?  EXCLUDE REIMBURSEMENTS FOR INPUTS BORROWED / ACQUIRED ON CREDIT. IF NOTHING, RECORD ZERO FOR "QUANTITY" AND CONTINUE TO 11.  <u>CODES FOR UNIT:</u> LITRE.....1 KILOGRAM....2 PIECE.....3 BUCKET.....4 WHEELBARROW..5 OX CART.....6 OTHER (SPECIFY)....7	S11 How much of the [PRODUCT] produced did you give out in the last 12 months as reimbursements for inputs borrowed or acquired on credit?  IF NOTHING, RECORD ZERO FOR "QUANTITY" AND CONTINUE TO 11_1.  <u>CODES FOR UNIT:</u> LITRE.....1 KILOGRAM....2 PIECE.....3 BUCKET.....4 WHEELBARROW..5 OX CART.....6 OTHER (SPECIFY)....7	S11_1 How much of the [PRODUCT] produced went bad/rotten and had to be thrown away?  IF NOTHING, RECORD ZERO FOR "QUANTITY" AND CONTINUE TO 12.  <u>CODES FOR UNIT:</u> LITRE.....1 KILOGRAM....2 PIECE.....3 BUCKET.....4 WHEELBARROW..5 OX CART.....6 OTHER (SPECIFY)....7	S12 Did you incur any expenses, such as labor costs, additional inputs, transport, etc. in the production of [PRODUCT] in the last 12 months?  YES..1 NO...2 >> NEXT ROW	S13 What was the total value of these additional expenses?  (THEN >> NEXT ROW)	NETWORK ROSTER ID CODE # 1	QUANTITY	UNIT	MK									
401	COW MILK																				
402	CHICKEN EGGS																				
403	GUINEA FOWL EGGS																				
404	MEAT																				
406	SKINS AND HIDES																				
407	MANURE																				
408	OTHER (SPECIFY) _____																				

ENUMERATOR:  
RECORD  
PRIMARY  
RESPONDENT  
ID FOR MODULE S:

ID

ENUMERATOR:  
RECORD  
END TIME  
FOR MODULE S:

HOURS	MINUTES

**AG-MODULE T: ACCESS TO EXTENSION SERVICES**

**NOTE:** CONCERNING PANEL HOUSEHOLDS, ALL QUESTIONS ARE ADMINISTERED IN VISIT 2.

CODE	TOPIC	T01 During the [REFERENCE RAINY SEASON], did you or anyone in your household <u>receive</u> any <u>advice</u> on...  YES...1 NO....2 >> NEXT TOPIC	T02 What was the <u>main source</u> of the advice on [TOPIC]?  <b>SOURCE</b>	T03 Did you follow the advice received on [TOPIC]?  YES...1 NO....2
301	New Seed Varieties			
302	Pest Control			
303	Fertilizer Use			
304	Pit Planting			
305	Irrigation			
306	Composting			
307	Marketing/Crop Sales			
308	Growing/Selling Tobacco			
309	Access to Credit			
310	Forestry			
311	General Animal Care			
312	Animal Diseases / Vaccination			
313	Fishery Production			
314	Contract Farming			
315	Agroforestry			
316	Other SPECIFY _____			

CODES FOR SOURCE:	
Gov. Agricultural Extension Service.....	1
Private Agricultural Extension Service..	2
Gov. Fishery Extension Service.....	3
NGO.....	4
Agricultural Coop/Farmers' Assoc.....	5
Fishing Coop.....	6
Farmer Field Days/Field School.....	7
Village Agricultural Extension Meeting..	8
Agricultural Extension Course.....	9
Lead Farmer.....	10
Other Farmer (Neighbor/Relative).....	11
Electronic Media (TV, Radio, Etc...).....	12
Paper Media (Handouts / Flyers).....	13
Other (Specify).....	14



**AG-MODULE U: LAND DISPOSITION**

NOTE: CONCERNING PANEL HOUSEHOLDS, ALL QUESTIONS ARE ADMINISTERED IN VISIT 2.

ENUMERATOR: RECORD START DATE & TIME FOR MODULE U:

DAY	MONTH	HOURS	MINUTES

U0A. Has your household sold, given away, or lost any GARDENS in the last 10 years?

YES...1	
NO....2 >> NEXT MODULE	

ENUMERATOR: AFTER CREATING THE ROSTER OF GARDENS, GO THROUGH THE ENTIRE MODULE ONE GARDEN AT A TIME.

GARDEN ID	U01 How did your household acquire this [GARDEN]?  ENUMERATOR: PLEASE LIST ALL GARDENS THAT YOUR HOUSEHOLD HAS SOLD, GIVEN AWAY, OR LOST IN THE LAST 10 YEARS. PLEASE NOTE THAT THESE GARDENS DO NOT CORRESPOND TO ANY GARDENS PREVIOUSLY LISTED IN THE QUESTIONNAIRE  GRANTED BY LOCAL LEADERS.....1>>U03 INHERITED.....2 BRIDE PRICE.....3 PURCHASED WITH TITLE.....4>>U03 PURCHASED WITHOUT TITLE.....5>>U03 OTHER (SPECIFY) .11>>13	U01_1 In what year did your household acquire this [GARDEN]?  YEAR [4-DIGIT]	U02 From whom did you acquire this [GARDEN]?  LIST UP TO 2 FROM NETWORK ROSTER		U03 Who in this household owned this [GARDEN]?  LIST UP TO 2 JOINT OWNERS FROM HOUSEHOLD ROSTER	U04 What year did your household sell, give away, or lose this [GARDEN]?  IF DON'T KNOW, RECORD 8888.  YEAR [4-DIGIT]		U05 What kind of land was or is this [GARDEN]?  AGRICULTURE...1 RESIDENTIAL...2 FOREST (ED)...3 PASTURE/GRAZING LAND...4 MINERAL LAND .5	U06 What was the area of this [GARDEN]?  ENUMERATOR: ASK THE FARMER TO ESTIMATE THE AREA.  CODES FOR UNIT:  ACRE.....1 HECTARE.....2 SQUARE METERS...3 YARDS.....4 OTHER (SPECIFY)..5		U07 How did your household part with this [GARDEN]?  SOLD.....1 GIVEN AWAY....2 TAKEN BY LOCAL AUTHORITIES....3>>NEXT ROW TAKEN BY GOVERNMENT....4>>NEXT ROW TAKEN BY INDIVIDUALS....5 ABANDONED.....6>>NEXT ROW TRADED FOR ANOTHER PLOT...7>>NEXT ROW OTHER (SPECIFY) .....8>>NEXT ROW	U08 Who purchased, received, or took this [GARDEN]?  LIST UP TO 2 FROM NETWORK ROSTER	
			NETWORK ROSTER ID CODE #1	NETWORK ROSTER ID CODE #2		HH ROSTER ID CODE #1	HH ROSTER ID CODE #2		FARMER ESTIMATION			NETWORK ROSTER ID CODE #1	NETWORK ROSTER ID CODE #2
			AREA	UNIT									
U01													
U02													
U03													
U04													
U05													
U06													
U07													
U08													
U09													

ENUMERATOR: RECORD PRIMARY RESPONDENT ID FOR MODULE U:

ID	ENUMERATOR: RECORD END TIME FOR MODULE U:	HOURS	MINUTES





**NETWORK ROSTER**

ID	1. NAME	2. CODE	3. LOCATION
N1			
N2			
N3			
N4			
N5			
N6			
N7			
N8			
N9			
N10			
N11			
N12			
N13			
N14			
N15			

CODES FOR QUESTION 2:

RELATIVE.....1  
 FRIEND/NEIGHBOR.....2  
 VDC MEMBER.....3  
 VILLAGE HEADMAN.....4  
 TRADITIONAL AUTHORITY.....5  
 POLITICAL LEADER.....6  
 MAIN FARM/PLOT.....7  
 ROADSIDE.....8  
 MOBILE MARKET.....9  
 LOCAL MARKET.....10  
 PRIVATE TRADER IN LOCAL MARKET...11  
 LOCAL MERCHANT/GROCERY.....12  
 MAIN MARKET.....13  
 PRIVATE TRADER IN MAIN MARKET...14  
 AUCTION IN MAIN MARKET.....15  
 PRIVATE COMPANY/BUSINESS PERSON..16  
 EMPLOYER.....17  
 GOVERNMENT AGENCY.....18  
 PARLIAMENT MEMBER.....19  
 MONEY LENDER/KATAPILA.....20  
 PRIVATE MICROFINANCE INSTITUTION.21  
 SAVINGS & CREDIT COOPERATIVE....22  
 COMMERCIAL BANK.....23  
 GOVERNMENT-FINANCED LENDER.....24  
 PARASTATAL ORGANIZATION.....25  
 AGRICULTURAL COOPERATIVE.....26  
 FARMER BASED CLUB/ASSOCIATION...27  
 NGO.....28  
 TRUST.....29  
 PRIVATE VETERINARY.....30  
 DISTRICT VETERINARY.....31  
 RELIGIOUS GROUP/INSTITUTION.....32  
 OTHER (SPECIFY).....33  
 VILLAGE OPEN FORUM.....34  
 SELF-VACCINATION.....35

CODES FOR QUESTION 3:

WITHIN THE VILLAGE.....1  
 NEAR THE VILLAGE.....2  
 IN/NEAR THE TOWN.....3  
 IN/NEAR THE DISTRICT/URBAN CENTER.4  
 OUTSIDE THE DISTRICT.....5  
 OUTSIDE THE REGION.....6

**CROP/SEED CODES**

**CROP/SEED MASTER LIST**

MAIZE.....	1
TOBACCO.....	5
GROUNDNUT.....	12
RICE.....	17
GROUND BEAN (NZAMA) .....	27
SWEET POTATO.....	28
IRISH [MALAWI] POTATO.....	29
WHEAT.....	30
FINGER MILLET (MAWERE) .....	31
SORGHUM.....	32
PEARL MILLET (MCHEWERE) .....	33
BEANS.....	34
SOYABEAN.....	35
PIGEONPEA (NANDOLO) .....	36
COTTON.....	37
SUNFLOWER.....	38
SUGAR CANE.....	39
CABBAGE.....	40
TANAPOSI.....	41
NKHWANI.....	42
THERERE/OKRA.....	43
TOMATO.....	44
ONION.....	45
PEA.....	46
PAPRIKA.....	47
OTHER (SPECIFY).....	48

**TREE/PERMANENT CROP MASTER LIST**

CASSAVA.....	1
TEA.....	2
COFFEE.....	3
MANGO.....	4
ORANGE.....	5
PAWPAW/PAPAYA.....	6
BANANA.....	7
AVOCADO.....	8
GUAVA.....	9
LEMON.....	10
NAARTJE (TANGERINE).....	11
PEACH.....	12
[CUSTADE APPLE] POZA.....	13
MEXICAN APPLE [MASUKU].....	14
MASAU.....	15
PINEAPPLE.....	16
MACADAMIA.....	17
FODDER TREES.....	18
FERTILISER TREES.....	19
FUEL WOOD TREES.....	20
OTHER (SPECIFY).....	21

**FODDER TREES**

**SIENTIFIC NAME**

LEUCAENA LEUCOCEPHALA (LUKINA) ..	1801
BAUHINIA THONNINGI (CHITIMBE) ...	1802
FICUS CAPENSIS (MKUYU).....	1803
SESBANIA SESBAN (NJERENJERE) ...	1804
OTHERS) .....	1805

**FERTILZER TREES**

**SIENTIFIC NAME**

FAIDHERRBIA ALBIDA (MSANGU) ...	1901
ACACIA GALPINI (NKUNGU).....	1902
ACACIA POLYACANTHA (MTHETE) ...	1903
TEPHROSIA VOGELLI (MTHUTHU) ...	1904
GRLIRICIDIA SEPIUM.....	1905
CAJANAS CAJAN (NANDOLO).....	1906
OTHERS) .....	1907

**FUEL WOOD TREES**

**SIENTIFIC NAME**

SENNA SIAMEA (KHESYA WAMILIMO) ...	2001
ACACIA GALPINI (NKUNGU).....	2002
ACACIA POLYACANTHA (MTHETE).....	2003
GRLIRICIDIA SEPIUM.....	2004
ALBIZIA LEBBECK (MTANGATANGA).....	2005
AZADIRACHTA INDICA (NIMU).....	2006
OTHERS) .....	2007

## LIVESTOCK CODES

### LIVESTOCK MASTER LIST

#### CODES FOR LIVESTOCK DISEASES POULTRY:

AVIAN INFLUENZA.....	1
COCCIDIOSIS... (Kamwazi).....	2
FOWL CHOLERA.....	3
FOWL POX (Nthomba).....	4
FOWL TYPHOID.....	5
GUMBORO... (Khuputo).....	6
NEW CASTLE..(Chitopa, Chidelu).....	7
BLACK HEAD.....	8
MAREKS DISEASE.....	9
INFECTIOUS BROCHNITIS.....	10
INFECTIOUS LARYNGEAL TRACHEITIS..	11
MYCOPLASMOSIS.....	12
INFECTIOUS CORYZA.....	13
ASPERGILLOSIS.....	14

#### CODES FOR LIVESTOCK DISEASES CATTLE & GOATS

EAST COST FEVER (Chigodola cha ng'ombe).....	16
HEART WATER (Khunyu).....	17
ANAPLASMOSISI (Matenda a Chikasu).....	18
ANTHRAX.....	19
BABEISIOSIS (Likodzo la ng'ombe).....	20
FOOT AND MOUTH DISEASE.....	21
LUMPY SKIN (Matenda a zotupatupa-Kalimbwi).....	22
CBPP.....	23
CCPP.....	24
RABIES (Chiwewe).....	25
TRYPANOSOMIASIS (Matenga a kaodzela).....	26
PPR.....	27
BLACK QUARTER.....	28
Tuberculosis (Chifuwa cha chichikulu cha ng,ombe).....	29

#### CODES FOR LIVESTOCK DISEASES PIGS

AFRICAN SWINE FEVER.....	30
FOOT AND MOUTH DISEASE.....	31
HOG CHOLERA.....	32
WORMS.....	33

### LIVESTOCK BREED MASTER LIST

#### CODES FOR CATTLE BREEDS:

FRESIAN.....	1
GUERSEY.....	2
JERSEY.....	3
AYRHIRE.....	4
BROWN SWISS.....	5
FLECKVIEH.....	6
ANKOLE.....	7
ZEBU.....	8
NGANDA.....	9
SAHIWAL.....	10
REDPOLI.....	11
HEREFORD.....	12
BORAN.....	13
BOSMORA.....	14
OTHER CROSSES.....	15
OTHER (SPECIFY).....	18

#### CODES FOR GOATS BREEDS:

BOER.....	1
GALLA.....	2
MUBENDE.....	3
KIGEZI.....	4
SMALL EAST AFRICAN.....	5
SANEEN.....	6
TOGGERN BURG.....	7
ANGLONUBIAN.....	8
ANGORA GOATS.....	9
ALPINE GOATS.....	10
OTHER CROSSES.....	11
OTHER (SPECIFY).....	12

#### CODES FOR CHICKEN BREEDS:

BOILER-PLYMOUTH ROCK.....	1
CORNISH.....	2
SUSSEX LAYERS- LEGHORN.....	3
MINOCA.....	4
RHODE ISLAND RED.....	5
ANCONA.....	6
NEW HAMPSHIRE.....	7
PLYMOUTH.....	8
OTHER (SPECIFY).....	9

#### LOCAL CHICKEN BREEDS:

KANSILANGA.....	1
KAMBWATA.....	2
KADZIMETE/KAMETE.....	3
KATSUMBA.....	4

#### CODES FOR PIG BREEDS:

LOCAL.....	1
LARGE WHITE.....	2
LAND RACE.....	3
DUROC.....	4
TRISTER.....	5

#### CODES FOR SHEEP BREEDS:

EAST AFRICAN BLACK HEADED..	1
WHITE TYPE.....	2
RED SHEEP- SHORT LEGGED...3	
OTHER (SPECIFY).....	4

#### VACCINES FOR CHICKEN:

MAREKS FOR MAREKS.....	1
HITCHNER FOR NEWCASTLE.....	2
LASOTA FOR NEWCASTLE.....	3
1-2 FOR NEWCASTLE.....	4
BURSINE FOR BURSA (GUMBORO).....	5
POXINE FOR FOWL POX.....	6

#### VACCINES FOR CATTLE:

EAST COAST FEVER VACCINE.....	1
BLACK QUARTER VACCINE.....	2
RABISIN.....	3
FOOT AND MOUTH VACCINE.....	4
RIFT VALLEY VACCINE.....	5
ANTHRAX.....	6