DAIRY VALUE CHAIN SURVEY
HOUSEHOLD QUESTIONNAIRE
January-February 2018

ETHIOPIA
Strategy Support Program II

ETHIOPIAN DEVELOPMENT RESEARCH INSTITUTE
EDRI

INTERNATIONAL FOOD POLICY RESEARCH INSTITUTE
IFPRI

LOCATION (Use location code)

	Name	Code
1. Zone	_____	___
2. Woreda	_____	___
3. Kebele	_____	___

ENUMERATOR: CONSENT FORM TO BE SIGNED BY HUSBAND AND SPOUSE

Geographic coordinates of the house	North = _,_^{0} _,_' _,_._''
	East = _,_^{0} _,_' _,_._''
	Altitude =_,_,_,_ meters

HOUSEHOLD IDENTIFICATION

1. Name of the HH head	_____
2. Household ID	__ __ __ __,__

IDENTIFICATION SURVEY TEAM MEMBERS

1. Enumerator's name: _____ code:_____

2. Supervisor's name: _____ code:_____

3. Date of the survey (EC): a. Day : __,__ b. Month : __,__

4. Start time (Ethiopian local time): _____:_____

Supervisor's initials	Date (EC) (Day, Month)	O.K.	Returned to enumerator	Errors checked
	__,__ , __,__	__	__	__
	__,__ , __,__	__	__	__

SECTION A: HOUSEHOLD ROSTER

Please list all of the household members (USE DEFINITION PROVIDED WITH CODES). At the bottom of the page, include children under 19 years of age who are at school but do not reside in the house.

BEGIN WITH THE HOUSEHOLD HEAD, THEN PROCEED WITH HIS/HER SPOUSE, CHILDREN, GRANDCHILDREN, GRANDPARENTS, ETC. INCLUDE THOSE WHO HAVE TEMPORARILY MIGRATED OUT AND MAY NOT BE PRESENT AT THE TIME OF THE INTERVIEW. RECORD CHILDREN WHO DO NOT RESIDE IN THE HOUSE FOR SCHOOLING PURPOSES BEGINNING WITH ID CODE 101:

Name of person	0. Respo-ndent? Yes…1 No…2	1. ID CODE	2. SEX Male…1 Female …2	3. What is [NAME'S] age? COMPLETED YEARS (RECORD "0" IF AGE<1) Years	4. What is [NAME'S] relationship to the head? Code (1)	5. Is this person a 'minda'? Yes…1 No…2	6. What is [NAME'S] marital status (SKIP IF AGE<12) Code (2)	7. ENUMERATOR, IS THIS PERSON 5 YEARS OF AGE OR OLDER? *(SEE Q3)* Yes..1 >> *q8* No…2 >>*Next line*	8. What is [NAME'S] level of schooling? COMPLETED SCHOOLING Code (3)	9. Was [NAME] engaged in productive activities (working including any kind of household work) in the last 12 months? Yes……1 >> *q11* No…….2	10. Why has [NAME] not worked? Cannot find employment…1 Sick……2 Handicapped…3 Too old……..4 Too young…….5 Student……..6 Other……..7 >> *Next line*	11. What was [NAME'S] main occupation in the last 12 months? Code (4)
Members who reside in the household												
		01	__		1		__	__	__,__	__	__	__,__
		02	__		__		__	__	__,__	__	__	__,__
		03	__		__		__	__	__,__	__	__	__,__
		04	__		__		__	__	__,__	__	__	__,__
		05	__		__		__	__	__,__	__	__	__,__
		06	__		__		__	__	__,__	__	__	__,__
		07	__		__		__	__	__,__	__	__	__,__
		08	__		__		__	__	__,__	__	__	__,__
		09	__		__		__	__	__,__	__	__	__,__
		10	__		__		__	__	__,__	__	__	__,__
		11	__		__		__	__	__,__	__	__	__,__
		12	__		__		__	__	__,__	__	__	__,__
		13	__		__		__	__	__,__	__	__	__,__
		14	__		__		__	__	__,__	__	__	__,__
		15	__		__		__	__	__,__	__	__	__,__
Students under age 19 who do not reside in the house for schooling purposes												
		101	__		__		__	__	__,__	__	__	__,__
		102	__		__		__	__	__,__	__	__	__,__
		103	__		__		__	__	__,__	__	__	__,__
		104	__		__		__	__	__,__	__	__	__,__

SECTION A: HOUSEHOLD ROSTER (cont'd) – observance of fasting periods (when not consuming dairy products due to customs)

1. ID CODE	12. Does this person observe any fasting period? Yes.....1 No.....2 >> Next line	13. Christmas (Yenebiyat (Gena) tsome – Hidar 15 Tahsas 29) Yes.....1 No.....2	14. Nenewe tsome (3 days fasting ; ends just 15 days before Easter fasting period) Yes.....1 No.....2	15. Hudade (Abiy) tsome (Easter - 52 days) Yes.....1 No.....2	16. Sene tsome – Sene to Hamle 05 Yes.....1 No.....2	17. Felseta tsome – Nehase 01 to Nehase 15 Yes.....1 No.....2	18. Tsige tsome – Meskerem 26- Hidar 5 Yes.....1 No.....2	19. Yedihnet tsome (Wednesday and Friday) Yes.....1 No.....2	20. Other, specify
Members who reside in the household									
01									
02									
03									
04									
05									
06									
07									
08									
09									
10									
11									
12									
13									
14									
15									
Students under age 19 who do not reside in the house for schooling purposes									
101									
102									
103									
104									

SECTION B: OWNERSHIP AND/OR MANAGEMENT CATTLE (CURRENT)

WE WILL NOW ASK DETAILED INFORMATION FOR ALL YOUR CATTLE

	1 CATTLE TYPE	2. Total owned and/or managed? Number	3. Average price Birr/piece	4. Total value Birr	5. Who in the HH **owns** this cattle [the person that owns the most of that category]? [Select from HH Roster Code, if mixed ownership: code 99, if ownership outside of household: code 90]	6. How many of this cattle type are **managed** by another household? Number
Cross-bred cattle **(any animal with foreign blood, including exotic breeds)**	Cows (calved at least once)					
	Heifer > 1 year (not calved)					
	Female calves < 1 year					
	Bulls > 3 years					
	Oxen > 3 years					
	Immature males 1-3 years					
	Male calves < 1 year					
Local cattle	Cows (calved at least once)					
	Heifer > 1 year (not calved)					
	Female calves < 1 year					
	Bulls >3 years					
	Oxen > 3 years					
	Immature males 1-3 years					
	Male calves < 1 year					

SECTION C: CHANGES IN STOCK OF CATTLE IN LAST 12 MONTHS

[IT IS POSSIBLE THAT CATTLE SWITCHED CATEGORIES OVER THE COURSE OF THE YEAR; IN THAT CASE, STICK TO THE CATEGORY AT THE TIME OF SURVEY]

			BORN	**PURCHASES**				**GIFTS**			
	1. CATTLE TYPE	2. Beginning balance 12 months ago? (Tir 2009) Number	3. How many were **born** in the past 12 months? Number	4. Has the household **purchased** this cattle type? Yes .....1 No .....2>>q8	5. **How many** did the hh buy alive in the last 12 months? Number	6. **How much** did you pay for these animals in **total**? Birr	7. **Who** decided to purchase these animals? [Select from HH Roster Code- if more than one person, list the main decision maker, if mixed use code 99]	8. Has the household **received** any of this cattle type as a gift in the last 12 months? Yes .....1 No .....2>>q10	9. **How many** were received as a gift? Number	10. Has the household **given** any of this cattle type as a gift in the last 12 months? Yes .....1 No .....2>>q12	11. **How many** were given as a gift? Number
Cross-bred cattle	Cows (calved at least once)										
	Heifer > 1 year (not calved)										
	Female calves < 1 year										
	Bulls > 3 years										
	Oxen > 3 years										
	Immature males 1-3 years										
	Male calves < 1 year										
Local cattle	Cows (calved at least once)										
	Heifer > 1 year (not calved)										
	Female calves < 1 year										
	Bulls >3 years										
	Oxen >3 years										
	Immature males 1-3 years										
	Male calves < 1 year										

SECTION C: CHANGES IN STOCK OF CATTLE IN LAST 12 MONTHS (CHECK IF ENDING BALANCE IS SAME AS SECTION B, QUESTION 2)

		LOST/DIED			**SALES**					**SLAUGHTERED**					
	CATTLE TYPE	12. Has the household **lost** (including due to death) this cattle type in the last 12 months? Yes …1 No …2 >>q15	13. **How many** were lost? Number	14. What was the **reason** for the loss? (most common) Old age/natural death…..1 Died due to disease….2 Died due to accident/injury.3 Died due to poisoning (snake, acaricide)….4 Died due to other reason….5 Theft…..6 Ran away….7 Other…8	15. Has the household **sold** this cattle type? Yes …1 No ……2 >>q20	16. **How many** did the hh sold alive in the last 12 months? Number	17. **How much** was paid for this cattle type in total? Birr	18. **Who decided** to sell these animals? [Select from HH Roster Code- if more than one person, list the main decision maker, if mixed use code 99]	19. **Who controls** the revenue from the sales of these animals? [Select from HH Roster Code- if more than one person, list the person that controls the most, if mixed use code 99]	20. Has the household **slaugtered** this cattle type in the last 12 months? Yes …1 No…2>> next line	21. **How many** were slaughtered? Number	22. **Who decided** to slaughter these animals? [Select from HH Roster Code- if more than one person, list the main decision maker, if mixed use code 99]	23. Has the household **sold** some of the **slaughtered** cattle type in the last 12 months? Yes …1 No …2 >> next line	24. What were the **total revenues** from these sales? Birr	25. **Who controls** the revenue from the sale of these slaughtered animals? [Select from HH Roster Code- if more than one person, list the person that controls the most, if mixed use code 99]
Cross-bred cattle	Cows (calved > once)														
	Heifer > 1 year (not calved)														
	Female calves < 1 year														
	Bulls > 3 years														
	Oxen > 3 years														
	Immature males 1-3yrs														
	Male calves < 1 year														
Local cattle	Cows (calved > once)														
	Heifer > 1 year (not calved)														
	Female calves < 1 year														
	Bulls > 3 years														
	Oxen > 3 years														
	Immature males 1-3yrs														
	Male calves < 1 year														

SECTION D. DAIRY OUTPUT USE

We would first like to ask you about the **number of cows** (both cross-bred and local) in milk and **milk production** over the **last 12 months**:

	a. Tir-Yekatit 2009	b. Megabit-Miazia 2009	c. Guienbot-Sene 2009	d. Hamle-Nehassie-Pagume 2009	e. Meskerem-Tikimt 2010	f. Hidar-Tahsas 2010
1. Number of **cross-bred** cows in milk ?						
2. Number of **local** cows in milk ?						
3. How much liquid milk produced (**in liters/day**)?						

We would to ask you about the following products for the **last month**:

Type of product	4. Produced	5. Sold	6. Given out	7. Consumed	8. Consumed for oilment purposes	9. Processed
a. Liquid milk for typical non-fasting day (**liters/day**)						
b. Yoghurt for typical non-fasting day (**liters/day**)						
c. Butter (**kg/month**)						
d. Baadu/Areera (**liters/month**)						
e. Cheese (**kg/month**)						

10. My household uses the whey mainly for: _____ 1. Drinks; 2. Animal feed; 3. Other

MAKE SURE THAT THE CONVERSION RATES MAKE SENSE: 10 liters of milk gives approximately 7.5 kgs of cheese or 0.5 kgs of butter

SECTION E: DAIRY PRODUCTION

FOR EACH COW IN THE HERD **IN MILK RIGHT NOW**, FILL IN ONE ROW (A MAXIMUM OF **3 LOCAL COWS** AND **3 CROSS-BRED COWS**; A MAXIMUM OF 6 COWS; IF MORE COWS, SELECT RANDOMLY)

1. COW NO	2. What is the **BREED** of the cow? Local…1 Cross-bred…2	3. **AGE** of the cow? (in completed years) Years (Do not know: code -88)	4. Number of **calvings**? Number (Do not know: code -88)	5. Age at first calving? Months (Do not know: code -88)	6. Last **insemi-nation** Natural.1 Artificial.2	7. Number of **dry months** before calving? Number (if first calving, code 99)	8. How many months ago since calved? Months	9. Total **daily milk production** (liter/day) (not including milk for calf)		10. Most recent calf		11. In the last **7 days**, did you feed:				12. Did the cow have any **disease**		13. Has the cow ever been **vaccinated**? Yes….1 No……2 Do not know….-88
								At calving (first month) l/day	Average in the last 7 days l/day	Sex? M..1 F…2	Where now? At farm, still suckling…1 At farm, not suckling…2 Died…3 Sold…4 Aborted/still birth…5 Other…6	(a) Oilseed cake/ fagulo Yes.1 No..2	(b) Wheat bran/ Frush-eka/ Frush-ekelo Yes.1 No..2	(c) Molas-ses /bypro-duct of sugar factory Yes.1 No..2	(d) Com-mercial Pre-mix /mixen (branded bags) Yes.1 No..2	(a) Since calving Yes.1 No..2	(b) In the last week Yes.1 No..2	
1																		
2																		
3																		
4																		
5																		
6																		

SECTION F. OUTPUT MARKETING AND PRICES

SECTION F.1. MILK SALES

0. **Have you sold liquid milk in the last 30 days? ____ 1. Yes. 2. No [if no, go to part F.2.]**

[We would now like to ask you detailed information on transactions with different buyer types that you had during that period. Start with your **most important buyer**]

1. BUYER TYPE	2. **To whom** did you sell? Consumer – neighbor …1 Other private consumer…2 Agent/collector for processing company……..…3 Processing company directly……4 Agent of cooperative…5 Cooperative directly…6 Independent trader/collector…..7 Retail shop……8 Yoghurt shop……..9 School-institution…..10 Cafés/restaurants/ hotels……..11 Other……..12	3. How many **transactions** with this type of buyer in the last 30 days **in total**? Number	4. How many **different buyers** within this buyer type? Number	5. If ultimate buyer processing company, **name company**? (most important) Code below	6. What **form** was milk usually bought in by final consumer (in your opinion)? Raw…….1 Pasteurized.2 Yoghurt……3 Cheese /butter……..4 Do not know…-88	7. What was the **average price** received with this buyer type? BIRR per liter	8. Which **type of milk** was typically sold to this buyer in the last month? 1. Only morning milk 2. Only evening milk 3. Both mixed 4. Both separately	9. Typical average **quantity** sold to this buyer type in a **single** transaction? Liter/trans	10. **Who** sold the milk? (most important for this buyer type) [Select from HH Roster Code- if more than one person, list the id code of the person who sold the most, if mixed code 99]	11. What was the **place** that you sold milk? (most important for this buyer type) On farm or home……..1 >> q15 Collection center….2 Market….3 Roadside….4 Retail shop…5 My own retail shop……6 Yoghurt shop…7 School-institution…..8 Cafés/restaurants/ hotels…..9 Private consumer…10 Other.....11	12. What was the most important **means of transportation** to place of sales? (most important for this buyer type) By foot….1 >> q14 Donkey/mule/horse.....2 Cart……3 Motorized vehicle……4 Other……..5 None……..6 >> q15	13. What was the average **cost** spent on transport for a typical **single** transaction for this buyer type? BIRR/trans	14. Average **time** spent **to travel** to place of sales for a typical **single** transaction for this buyer type? Minutes	15. Average **time** spent **at place** of sales for a typical **single** transaction for this buyer type? Minutes
1														
2														
3														
4														
5														

Codes for question 5 :

1	Shola wetet plc/lame dairy	6	Ada dairy cooperative union	11	Life agro-industry	16	Etete wete milk company
2	Pingwin international plc	7	Sebeta aro-industry /mama wetet/plc	12	Yakila milk company	17	Elemitu integrated wetet akision mahiber
3	Chuye milk company	8	Genesis milk processing plc	13	Timiret agro-industry plc	18	Awash melkasa agro-industry plc
4	Nuredin hasen milk company	9	Holand dairy plc	14	Loni agro-industry plc	19	Other
5	Mb plc /family milk company	10	Addis milk processer industry plc	15	Selale dairy cooperative		

BUYER TYPE	16. **Where** was product sold to **final consumer** for this buyer type? (most important buyer) Local – no market….1 Kebele market….2 Woreda market…3 Regional market…4 Addis….5 Do not know….-88	17. For this buyer type: was milk tested by **lactometer** (for aldulteration with water)? Yes, always…1 Sometimes…2 Never…3 Do not know….-88	18. For this buyer type: was milk tested by **alcohol test** ? Yes, always…1 Sometimes…2 Never…3 Do not know…-88	19. For typical transaction with this buyer type: what type of **container** did **buyer** use? Clay…1 Plastic…2 Glass…3 Iron…4 Aluminium…5 Stainless steel…6 Other…7	20. For this buyer type: **when** was **payment** done? (for most important buyer) Daily…1 Weekly…2 Twice a month…3 Monthly…4 Other…5	21. For this buyer type: **how** was **payment** done? (for most important buyer) Cash…1 Cheque…2 On bank account…3 Other…4	22. Was transacted milk written on a **card** by the buyer? (for most important buyer) Yes…1 No…2 Do not know...-88	23. For this type of buyer: **type of contract**? Oral contract…1 Written contract…2 No contract…3	24. What is normal **penalty** for adulteration? (for most important buyer) Rejection of supply…1 Price reduction…2 Termination…3 Temporary suspension…4 None…5 Other…6	25. Did you get a **premium** for higher quality? (for most important buyer) Yes…1 No…2
1										
2										
3										
4										
5										

26. Does the most important buyer type (row 1):

a. Provide training/advice on improved milk production?	___ 1. Yes; 2. No
b. Provide training/advice on hygienic milk handling?	___ 1. Yes; 2. No
c. Provide training/advice on health risks inflicted as a result of adulteration?	___ 1. Yes; 2. No
d. Keep buying milk during fasting periods?	___ 1. Yes; 2. No
e. Provide medecine/veterinary services/AI?	___ 1. Yes; 2. No
f. Supply milk storage cans?	___ 1. Yes; 2. No
g. Supply feed?	___ 1. Yes; 2. No
h. Provide credit/loans?	___ 1. Yes; 2. No
i. How long have you been selling to this buyer?	___ Years

SECTION F.2. NON-SUCCESSFUL LIQUID MILK SALES

1. Did you try to sell milk in the last 30 days but were not able to? _____ 1. Yes; 2. No >> F.3

2. If yes, **how many times** in the last 30 days did this happen? _____ times

3. Why were you not able to? ____ 1. No buyer >> q5; 2. Buyer was there but my milk was rejected; 3. Other >> q5

4. If rejected, what was the most important reason? ____ 1. Lactose content too low after testing; 2. Sour milk; 3. Blood in the milk; 4. Hygiene of the milk; 5. Cans not clean; 5. Other; -88. Do not know

5. What did you do with the unsold milk?

a.	Churned into butter or cheese	_____ 1. Yes; 2. No
b.	Extra household consumption	_____ 1. Yes; 2. No
c.	Threw away	_____ 1. Yes; 2. No
d.	Gave to animals	_____ 1. Yes; 2. No
e.	Gift	_____ 1. Yes; 2. No
f.	Other: specify:_____	_____ 1. Yes; 2. No

SECTION F.3. SALES PROCESSED DAIRY PRODUCTS AND PRICES

0. **Have you sold processed dairy products (butter, cheese, yoghurt or baadu) in the last 30 days? ____ 1. Yes. 2. No [if no, go to q14]**

We would like to ask you about the sales of processed products in the last month. Give details for the sales in the last 30 days.

PRODUCT TYPE	1. What **type** of processed product? Butter…..1 Cheese…2 Yoghurt…3 Baadu/Areera ..4	2. To whom did you sell? (**Most important buyer** for this product type) Consumer – neighbor …1 Other consumer…2 Agent of processing company…….3 Processing company directly……4 Agent of cooperative…5 Cooperative directly….6 Independent trader/collector….7 Retail shop…8 Yoghurt shop…9 School-institution…..10 Cafés/restaurants/ hotels.11 Other……..12	3. How many **transaction s** in the last 30 days with this buyer type in **total**? Number	4. How many **different buyers** within this buyer type? Number	5. **Average price** for this product with this buyer? Birr/kg or l	6. Average **quantity** sold for typical **single** transaction of this product? Kgs/liter	7. **Who** sold the product? (most important for this product) [Select from HH Roster Code- if more than one person, list the id code of the person who sold the most, if mixed code 99]	8. **Place of sales** (most important for this product)? On farm or home……..1 >> q12 Collection center….2 Market….3 Roadside….4 Retail shop…5 Other……..6	9. What was the most important means of trans-portation for this product? By foot.1 >> q11 Donkey/mule/horse.....2 Cart……3 Motorized vehicle……4 Other……5 None…6 >> q12	10. What was the **average cost** spent on transport for a typical **single** transaction of this product? Birr	11. **Average time** spent **to travel** to place of sales for a typical **single** transaction for this product? Minutes	12. **Average time** spent **at place** of sales for a typical **single** transaction for this product? Minutes	13. **Where** was product sold to **final consumer** for this buyer type? (most important buyer) Local – no market….1 Kebele market….2 Woreda market…3 Regional market…4 Addis….5 Do not know….-88
1													
2													
3													
4													

14. What were the average **market** prices over the last 12 months for the different types of dairy products (**Birr/liter** of **Birr/kg**) ? -88. Do not know

Product type	a. During Easter fasting 2009 (in the middle)	b. Easter period 2009	c. Between Easter and end of Ginbot 2009	d. Between Sene 2009 and beginning of Christmas fasting 2010	e. During Christmas fasting 2010 (in the middle)	f. Christmas period 2010	g. Between Christmas 2010 and before beginning Easter fasting 2010	h. Currently
a. Liquid milk (**Birr/l**)								
b. Butter (**Birr/kg**)								
c. Cheese (**Birr/kg**)								
d. Yoghurt (**Birr/l**)								

SECTION F.4. FASTING VERSUS NON-FASTING

1. What was the last major fasting period that you had a cow in milk? _____ 1. Christmas (Yenebiyat(Gena) tsome – Hidar 15 Tahsas 29) ; 2. Hudade (Abiy) tsome (Easter) ; 3. Sene tsome (Sene to Hamle 05) ; 4. Felseta tsome (Nehase 01 to Nehase 15) ; 5. Tsige tsome (Meskerem 26- Hidar 5)

[the remaining questions below focus on this major fasting period]

	Milk **l/day**		Butter **Kg/week**		Cheese **Kg/week**		Yoghurt **l/week**	
	Fasting (in the middle)	Non-fasting (2 weeks after)	Fasting (in the middle)	Non-fasting (2 weeks after)	Fasting (in the middle)	Non-fasting (2 weeks after)	Fasting (in the middle)	Non-fasting (2 weeks after)
2.Prices (Birr/l or kg)	_____Birr/l	_____Birr/l	_____Birr/kg	_____Birr/kg	_____Birr/kg	_____Birr/kg	_____Birr/l	_____Birr/l
3.Sales (quantity sold)	_____l/day	_____l/day	_____kg/week	_____kg/week	_____kg/week	_____kg/week	_____l/week	_____l/week
4. If **sales lower during fasting period**, what was done with the unsold quantity?								
a. Extra household consumption	_____l/day		_____kg/week		_____kg/week		_____l/week	
b. Thrown away/spoiled	_____l/day		_____kg/week		_____kg/week		_____l/week	
c. Given out	_____l/day		_____kg/week		_____kg/week		_____l/week	
d. Stored for after fasting	_____l/day		_____kg/week		_____kg/week		_____l/week	
e. Processed into other dairy product	_____l/day						_____l/week	
5. Household consumption from own production	_____l/day	_____l/day	_____kg/week	_____kg/week	_____kg/week	_____kg/week	_____l/week	_____l/week
6. Household consumption, including purchases, gifts, …	_____l/day	_____l/day	_____kg/week	_____kg/week	_____kg/week	_____kg/week	_____l/week	_____l/week
7. Consumption of the youngest child (<5 years) from own production	_____l/day	_____l/day					_____l/week	_____l/week
8. Consumption of the youngest child(<5 years), including purchases, gifts, …	_____l/day	_____l/day					_____l/week	_____l/week
9. What is the share of the **morning** milk being sold (in the form of liquid milk)?	_____%	_____%						
10. What is the share of the **evening** milk being sold (in the form of liquid milk)?	_____%	_____%						

[ANSWER ONLY FOR THOSE HOUSEHOLDS THAT SOLD LIQUID MILK]

11. Are the quality standards that buyers require much higher during the fasting periods and buyers therefore reject more? ____ 1. Yes; 2. No; -88. Do not know

12. In your opinion, is there more adulteration of milk at major religious celebrations (possibly due to more demand)? ____ 1. Yes; 2. No; -88. Do not know

13. Do you sell more milk informally - not processed by processing companies - during the fasting period? ____ 1. Yes; 2. No; -88. Do not know

SECTION G. FOOD SAFETY MEASURES

FIRST GO OVER QUESTIONS. IF POSSIBLE, ACCOMPANY TO MILKING AREA TO CHECK. IF NO MATCH, GO OVER QUESTIONS AGAIN

SECTION G.1. MILKING AREA

1. Where are cows milked? ____ 1. In stall/shed; 2. Outside; 3. Both

2. Is floor concrete or brick? ____ 1. Yes; 2. No

3. How often do you clean the milking area? ____ 1. Daily; 2. Weekly; 3. Monthly; 4. Couple of times per year; 5. Yearly; 6. Never cleaned >> q5
4. Most frequent mode of cleaning/washing floor ? ____ 1. Cold water only; 2. Hot water only; 3. Water+soap/detergent/disinfectant; 4. Sweeping; 5. Sand; 6. Sand, ash, and lime; 7. Other

5. Are udder and teats cleaned before milking? ____ 1. Yes; 2. No >> Section G2
6. Mode of washing of udder and teats before milking?_____ 1. Cold water only; 2. Lukewarm water only; 3. Water and disinfectant; 4. Other
7. How does the farmer dry the udder and teats before milking? _____ 1. None; 2. Clothes; 3. Clean towel; 4. Other

SECTION G.2. MILK STORAGE

8. Is milk storage area free from the sun, heat and animals? ____ 1. Yes; 2. No
9. Is the stored milk kept in a fridge? ____ 1. Yes; 2. No
10. Is the milk storage pot covered with a lid? ____ 1. Yes; 2. No

11. How many times are cows milked per day? _____time(s) (if response 2 or more >> q15)
    IF 1 TIME:
    12. Which time of the day do you milk? ____ 1. Morning >> q13; 2. Afternoon/evening >> q14
    13. If milking is in the morning, what is the typical time between the moment of milking and the time of sales? _____hours. >> q17
    14. If milking is in the afternoon/evening, what is the typical time between the moment of milking and the time of sales?_____hours. >> q17
    IF 2 OR MORE TIMES:
    15. Is the morning and afternoon/evening milk put together in the same container? ____ 1. Yes; 2. No
    16. If sold as liquid milk, what is the typical time between the moment of **afternoon/evening** milking and the time of sales? ____ hours

17. What is the most common method of milk preservation used by the farmer **before sale**? ____ 1. Not treated; 2. Boiling; 3. Refrigerated; chilling; 4. Cold water bath; 5. Other additives, specify:_____; 6. Other methods, specify:_____

18. What is the most common method of milk preservation used by the farm household **before consumption**? ____ 1. Not treated; 2. Boiling; 3. Refrigerated; chilling; 4. Cold water bath; 5. Other additives, specify:_____; 6. Other methods, specify:_____

SECTION G.3. GENERAL HYGIENE

19. Do you ever wash your cows? ____ 1. Yes; 2. No >> q23

    20. Frequency of washing? _____ 1. Daily; 2. Twice a day; 3. Alternate day; 4. Weekly; 5: Monthly; 6. Couple of times per year
    21. Source of water for washing of animals? ____ 1. Pond; 2. River/canal; 3. Well/tubewell; 4. Tap water; 5. Other, specifiy:_____
    22. What elso do you use in addition to the water? _____ 1. Nothing; 2. Soap; 3. Detergent; 4. Disinfectant; 5. Straw; 6. Cloth; 7. Other, specify:_____

23. When cows are internally sick, do you do something different with the milk? _____ 1. Yes; 2. No >> Section H

    24. What do you do with the milk? _____ 1. Sell it; 2. Own consumption; 3. Give it to calves; 4. Process it into butter/cheese; 5. Spoiled; 6.Other, specify:_____

SECTION H. INPUT MARKETS

SECTION H.1: FEEDING AND WATERING OF COWS

We would like to ask you about the feeding and watering practices of the cows that you **currently** hold.

	Cross-bred		Local	
	Milking	Not in milk	Milking	Not in milk
1. Do you currently keep this type of cow? *1. Yes; 2. No*				
2. Feeding system **rainy** season? *1. Only grazing (free-range/tethered); 2. Only stall feeding; 3. Mainly grazing with some stall feeding; 4. Mainly stall feeding with some grazing;*				
3. Feeding system **dry** season? *1. Only grazing (free-range/tethered); 2. Only stall feeding; 3. Mainly grazing with some stall feeding; 4. Mainly stall feeding with some grazing;*				
4. If grazing, mainly on which type of land? *1. Own private land; 2. Other private land; 3. Public/common land; 4. Other*				
Current feeding (over the last week)				
5. Cut grass *1. Yes; 2. No*				
6. Oil cakes/fagulo in **kg/cow/day***				
7. Bran/frusheka/wheat middling/frushekelo in **kg/cow/day***				
8. Molasses in **kg/cow/day***				
9. Commercial pre-mix/mixen in in **kg/cow/day***				
10. Grain (e.g. maize) in **kg/cow/day**				
11. Crop residue (from field or mills) in **kg/cow/day**				
12. Beer byproduct (from modern brewery)/Bira chemaki in **kg/cow/day***				
13. Beer byproduct (from tella)/Atela in **kg/cow/day***				
14. Of all the daily feed of the cow, what is the share of industrial byproducts and concentrated feeds (see *)? In percentage	%	%	%	%
15. In the **last month**, what was the value of purchased industrial byproducts and concentrated feed (see *)? **Birr/cow**				
16. In the **last month**, what was the value of purchased hay/grass? **Birr/cow**				
17. Water consumed per cow per day (**l/day**)				
18. Source of water? *1. Pond; 2. Well; 3. River; 4. Pipe/tap water; 5. Other*				
19. If outside house, how far is the watering point from home? [One way in walking minutes]				

20. Did you rent in grazing land in the last 12 months? _____ 1. Yes; 2. No >> q22

21. What was the price for this grazing land?
    a. _____Birr in total

    b. _____Birr/ha

22. In the **last month**, did you feed purchased **fodder or crop residues** to your cows? ____ 1. Yes; 2. No >> q25 (on next page)

23. In the last month, what was the value of purchased **fodder and crop residues** for all your cows? _____ Birr/month

24. Can you give details on the **last purchase of each item** (up to a maximum of **three months**)?

ITEM NO	1. What type of item?	2. Bought in the last 3 months? Yes……1 No…..2>> Next line	3. Price Birr/**kg**	4. Price Birr/**Esir**	5. Quantity bought Kgs/Esir	6. Seller type Farmer……..1 Farmer-Trader……..2 Specialized input trader (Agro-input dealer) ……..3 General trader……4 NGO……5 Cooperative……6 Government……7 Other……8	7. Place of purchase On farm or home……1 Specialized fodder/crop residue **shop**…..2 Specialized fodder/crop residue **market**…..3 Other market ….4 Roadside……..5 Other……....6	8. Who paid for it? [Select from HH Roster Code- if more than one person, list the id code of the person who paid the most]	9. Who transported the item [the fodder/crop residues]? [Select from HH Roster Code- if more than one person, list the id code of the person who transported the most, if someone else code -99]	10. Did the seller of this feed **ever** provide you with loans/credit? Yes……1 No……...2
1	Hay (grass, alfaalfa)									
2	Cereal (wheat, barley, teff, rice) straw									
3	Millet/sorghum stalks									
4	Maize stover									
5	Legume (beans, cowpeas, soya, …) halms									
6	Root and tuber peelings									
7	Crop byproducts									
8	Others, specify: _____									

25. In the **last month**, did you feed purchased **industrial byproducts or concentrated feed (SEE BELOW FOR LIST)** to your cows? ____ 1. Yes; 2. No >> Section H.2.

26. In the last month, what was the value of purchased **industrial byproducts or concentrated feed** for all your cows? _____ Birr/month

27. Can you give details on the **last purchase of each item** (up to a maximum of **three months**)?

ITEM NO	1. What type of item?	2. Bought in the last 3 months? Yes…….1 No…..2 >> Next line	3. Price Birr/**quintal**	4. Quantity bought **Quintal**	5. Seller type Brewery……..1 Oilpresser……2 Grain mill……3 Farmer……4 Specialized input trader (Agro-input dealer)……..5 General trader……6 NGO……7 Cooperative……8 Government……9 Dairy buyer……..10 Other……11	6. Place of purchase On farm or home……....1 Industry…….2 Market ……3 Shop……4 Roadside……..5 Other……....6	7. Who paid for it? [Select from HH Roster Code- if more than one person, list the id code of the person who paid the most]	8. Who transported the item [concentrated feed]? Select from HH Roster Code- if more than one person, list the id code of the person who transported the most, if someone else code -99]	9. If commercial feed company, what is the name?	10. Did the seller of this feed **ever** give you advice on feed management for dairy cows? Yes…….1 No……...2	11. Did the seller of this feed **ever** provide you with loans/credit? Yes…….1 No……...2
1	Bran/frusheka/frushekelo										
2	Oilcakes										
3	Molasses										
4	Beer byproduct (modern brewery)										
5	Beer byproduct (tela)										
6	Commercial concentrate feed/mixen										
7	Multi-nutrient block (MNB)										
8	Salt										
9	Limestone										
10	Other										

SECTION H.2: BREEDING AND ARTIFICIAL INSEMINATION

1. What practices do you normally use for breeding of cows? _____ 1. Artificial insemination >> q5; 2. Bull service; 3. Both >> q5

2. If you do not use AI insemination, why not?
   a. I am unaware of AI; _____ 1. Yes; 2. No
   b. I am unable to find AI inseminators _____ 1. Yes; 2. No
   c. The quality of semen is not good _____ 1. Yes; 2. No
   d. A.I. inseminators are too far _____ 1. Yes; 2. No
   e. There is too much hassle/transactions costs to get A.I. _____ 1. Yes; 2. No
   f. A.I. is too expensive; _____ 1. Yes; 2. No
   g. Cross-bred cows cost too much money to maintain _____ 1. Yes; 2. No
   h. Cross-bred cows are too vulnerable to disease _____ 1. Yes; 2. No
   i. Lack of transportation _____ 1. Yes; 2. No
   j. I am happy with the local cows _____ 1. Yes; 2. No
   k. Other, specify:_____ _____ 1. Yes; 2. No

3. How do you get your cows mostly pregnant? _____1. Own cross-bred bull >> Section H3; 2. Other farmer's cross-bred bull ; 3. Own local bull >> Section H3; 4. Other farmer's local bull; 5. Other >> Section H3

4. How much did you pay for last local bull service? _____Birr >> Section H3

5. Since which year do you use AI? Since Ethiopian Year: _____

6. Who gave you **the last** AI service? _____ 1. Bureau of agriculture/livestock; 2. Research Center; 3. Private organization; 4. NGO; 5. Other

7. What was the distance traveled to get this AI service? _____Walking minutes (one way)
8. How much did you pay in total for this last AI service (official and extra)?_____Birr

9. How many services are typically required to conceive, using AI services? _____services

10. Have you participated in a campaign of hormone synchronization? _____ 1. Yes; 2. No >> Section H3

11. How many times have you participated in a campaign of hormone synchronization? _____ Times
12. Did any of your cows get pregnant during a campaign of hormone synchronization? _____ 1. Yes; 2. No

SECTION H.3. ANIMAL HEALTH

1. Are your cows vaccinated? _____ 1. Yes; 2. No >> q3; -88. Do not know

2. Would you happen to know if your cows are vaccinated for:
   a. Anthrax (aba senga) _____ 1. Yes, all; 2. Yes, some; 3. None; -88. Do not know.
   b. Black leg (aba gorba) _____ 1. Yes, all; 2. Yes, some; 3. None; -88. Do not know.
   c. Bovine pneumonic pasteurellosis (gororsa loonii) _____ 1. Yes, all; 2. Yes, some; 3. None; -88. Do not know.
   d. Foot and Mouth Disease (FMD) (okolchisa) _____ 1. Yes, all; 2. Yes, some; 3. None; -88. Do not know.
   e. Lampi Skin disease (dhukuba goga) _____ 1. Yes, all; 2. Yes, some; 3. None; -88. Do not know.

3. What cow disease is the **most** problematic for you? _____ 1. Cowpox; 2. Mastitis; 3. Complications associated with birth; 4. Other, specify:_____

4. How far away is the nearest veterinary ('D-type')? _____ minutes (one way)

5. Have you in the past 12 months used any kind of veterinary service for your cows? _____ 1. Yes; 2. No >> q10

6. Have you in the past month used any kind of veterinary service for your cows? _____ 1. Yes; 2. No >> q8
7. In the last month, how much did you spend in total on veterinary service for your cows? _____ Birr
8. In the last 12 months, how often did the veterinary visit you or did you visit the veterinary? _____ times
9. Which organization gave the veterinary service mainly? _____ 1. Bureau of livestock/agriculture. 2. Research centers; 3. NGO; 4. Private veterinarians; 5. Other farmers; 6. Community health extension workers; 7. Others
10. In the last 12 months, did you buy medicines for your cows? _____ 1. Yes; 2. No >> q14
11. How much did you pay in total for medicines over the past year? _____ Birr
12. Where did you obtain them from?_____ 1. Public pharmacies; 2. Private pharmacies; 3. Other
13. How far away is the pharmacy that you obtained medicines from? _____ minutes
14. In the last 12 months, did your cows suffer from an udder disease? _____ 1. Yes; 2. No
15. Are you (or someone else in the household) aware of improved animal health management practices? _____ 1. Yes; 2. No >> q17
16. Where did you first get information about improved animal health? _____ 1. Bureau of livestock/agriculture; 2. Research center staff; 3. NGO staff; 4. Private veterinarians; 5. Other farmers; 6. Community health extension orkers
17. Have you (or someone else in the household) ever taken training on improved health management practices? _____ 1. Yes; 2. No >> q19
18. Who participated in trainings on improved health management practices? _____ [Select from HH Roster Code- if mixed, use code 99]
19. What are the problems related to animal health services (in general)?
    a. Far distance of animal clinic _____ 1. Yes; 2. No; -88. Do not know.
    b. No adequate service from animal health clinic _____ 1. Yes; 2. No; -88. Do not know.
    c. Frequent occurrence of animal diseases _____ 1. Yes; 2. No; -88. Do not know.
    d. No adequate knowledge about diseases and control mechanisms _____ 1. Yes; 2. No; -88. Do not know.
    e. We cannot get veterinarians easily _____ 1. Yes; 2. No; -88. Do not know.
    f. Drugs are not effective _____ 1. Yes; 2. No; -88. Do not know.
    g. No money to buy medecines _____ 1. Yes; 2. No; -88. Do not know.
20. Do you give “Milkway” (yield boosting medicine) to your cows? _____1. Yes; 2. No; 3. Sometimes.

SECTION H.4. MANURE HANDLING

1 In the last month, did you pay to dispose of the manure of your dairy cows? ____ 1. Yes; 2. No >> q3

2 If yes, how much did you pay last month? _____ Birr

3 In the last month, did you sell manure? ____ 1. Yes; 2. No >> Section H5

4 If yes, how much did you earn from selling manure last month? _____ Birr

SECTION H.5. RECORD KEEPING

1. Do you currently keep records about your dairy cows? ____1. Yes; 2. No >> q4

2. When did you start keeping records? Since Ethiopian Year: _____

3. What information do you currently record?

a. Details of feed quantity, costs, sources ____1. Yes; 2. No
b. Blood levels of corws, calves, heifers ____1. Yes; 2. No
c. Income details (quantity sold, price, etc.) ____1. Yes; 2. No
d. Number of animals purchased and sold ____1. Yes; 2. No
e. Details of health records, AI service, etc. ____1. Yes; 2. No

4. Did you (or someone else in your household) **ever** take trainings on record keeping of animals? ____1. Yes; 2. No >> Section H6

5. How many trainings did you (or someone else in your household) take? Number: ____

6. Who participated in trainings on record keeping of animals? _____ [Select from HH Roster Code- if mixed, use code 99]

SECTION H.6. LABOR USE

DAIRY COW ACTIVITIES IN A **TYPICAL** DAY [WHEN THIS ACTIVITY WAS UNDERTAKEN], HOW MANY **MINUTES PER DAY** OF LABOR WERE USED (M=Male; F=Female; Child=14 or younger)

	a.Milking cow morning			b.Milking cow evening			c.Marketing milk			d.Preparing feeds and feeding cows			e.Cleaning the sheds and utensils			f.Taking cows out for watering/grazing		
Gender – age	Fam	Hire	Minda	Fam	Hire	Minda	Fam	Hire	Minda	Fam	Hire	Minda	Fam	Hire	Minda	Fam	Hire	Minda
1. M-Adult **Minutes/day**																		
2. F-Adult **Minutes /day**																		
3. M-Child **Minutes /day**																		
4. F-Child **Minutes /day**																		
5.Total **Minutes /day**																		
6.The number of times the activity is undertaken per week																		

7. Do you currently (in the last week) hire workers (daily laborers or 'minda') to help with your activities? ____1. Yes; 2. No >> q16

8. What type of workers do you hire for dairy activities? ____ 1. Daily laborer >> q15; 2 . 'Minda'; 3. Both

9. What benefits does the **'minda'** (involved in dairy activities) get?
   a. Food ____1. Yes; 2. No
   b. Housing ____1. Yes; 2. No
   c. Clothing ____1. Yes; 2. No
   d. Education ____1. Yes; 2. No
   e. Grains ____1. Yes; 2. No
   f. Cash ____1. Yes; 2. No
   g. Others ____1. Yes; 2. No; Mention:_____

10. If payment in cash, how much do you pay the '**minda'** in cash?

Gender-age	1. Amount BIRR	2. Time Unit 1. Hour; 2. Day; 3. Week; 4. Month; 5. Six months; 6. Year
1. M-Adult		
2.F-Adult		
3.M-Child		
4.F-Child		

11. Where is the 'minda' coming from? ____ 1. Within the kebele; 2. Within the woreda; 3. Within the zone; 4 . Outside of the zone; -88. Don't know
12. How did you meet the 'minda'? ____ 1. Labor market; 2. Social network; 3. Other, mention_____
13. Since which year has the 'minda' been with your household? Since Ethiopian Year:_____
14. What approximate share of the minda's labor is allocated to dairy related activities? ____ 1. 1-25%; 2. 26-50%; 3. 51-75%; 4. 76-100%

15. How much do you pay hired **daily laborers** per person (involved in dairy activities)? Please fill in the relevant payment method that you use:

Gender-age	1. Amount BIRR	2. Time Unit 1. Hour; 2. Day; 3. Week; 4. Month
1. M-Adult		
2.F-Adult		
3.M-Child		
4.F-Child		

16. In the last week, how often did you (or someone else in the household or someone you hired) process milk (churning, making cheese)? ____Times (If 0 >> q18)
17. Indicate the time (jn **minutes**) required for **processing** in the last week:

	Processing		
Gender – age	Fam	Hire	Minda
1. M-Adult			
2.F-Adult			
3.M-Child			
4.F-Child			
5.Total			

18. How many kgs of butter can you obtain out of 10 liters of milk? _____kgs; -88. Do not know

SECTION I: CHANGES IN DAIRY PRACTICES (RECALL 10 YEARS AGO)

1. Did you have dairy cows 10 years ago? _____ 1. Yes >> q3; 2. No
2. If no, when did you start tending dairy cows? _____years ago. Refer in the table below to the year that you started tending cows. **If less than 2 years ago >> Section J**

	NOW	**TEN YEARS AGO (or less for those started more recently)**
Production and ownership		
3. What is the number of different dairy cows that you own?		
a. Cross-bred	a._____	a._____
b. Local	b._____	b._____
c.Total	c._____	c._____
4. What was the approximate yield of different types of dairy cows in different periods ?	Cross-bred	Cross-bred
Cross-bred		
a. Early lactation (birth – 3 months)	a._____l/day/cow	a._____ l/day/cow
b. Mid lactation (4 – 6 months)	b._____ l/day/cow	b._____ l/day/cow
c. Late lactation (7 - 9 months)	c._____ l/day/cow	c._____ l/day/cow
Local	Local	Local
d. Early lactation (birth – 3 months)	d._____ l/day/cow	d._____ l/day/cow
e. Mid lactation (4 – 6 months)	e._____ l/day/cow	e._____ l/day/cow
f. Late lactation (7 - 9 months)	f._____ l/day/cow	f._____ l/day/cow
5. What is the average lactation period (months that the cow produces milk) ?		
a. Cross-bred	a._____Months	a._____ Months
b. Local	b._____ Months	b._____ Months
Use of dairy production		
6. Of all the **milk** produced during non-fasting periods, what would be the average share for :		
a. Own consumption	a._____%	a._____%
b. Sales	b._____%	b._____%
c. Given out	c._____%	c._____%
d. Processed to cheese/butter/yoghurt	d._____%	d._____%
e. Spoiled	e._____%	e._____%
f. Total	f. 100 %	f. 100 %
7. Of all the **butter** produced during non-fasting periods, what would be the average share for:		
a. Own consumption	a._____%	a._____%
b. Sales	b._____%	b._____%
c. Given out	c._____%	c._____%
d. Spoiled	d._____%	d._____%
e. Total	e. 100 %	e. 100 %

	NOW	TEN YEARS AGO (or less for those started more recently)
Sales		
8. Where is dairy product mostly sold to final consumer? 1. Addis; 2. Local town; 3. Rural area; -88. Do not know		
9. Main immediate buyer ? 1. Consumer; 2. (Agent/collector for) processing company; 3. (Agent of) cooperative; 4. Independent trader; 5. Retail shop; 6. Milk shop; 7. School/institution; 8. Other		
10. Do you have choice between traders to sell to ? 1. A lot; 2. A little; 3. No choice		
11. Do you sell liquid milk ? 1. Yes; 2. No >> q16		
12. Is the liquid milk you sell eventually pasteurized? 1. Yes; 2. No; -88. Do not know		
13. If you sell better quality milk, you get a premium/bonus ? 1. A lot; 2. A little; 3. No premium		
14. When you sell milk, is quality checked through a lactometer? 1. Yes; 2. No		
15. When you sell milk, is quality checked through an alcohol test? 1. Yes; 2. No		
16. Does main buyer provide training/advice on dairy-related activities? 1. Yes; 2. No		
17. Does main buyer keep buying milk during fasting periods ? 1. Yes; 2. No		
18. Does main buyer supply equipment/feed? 1. Yes; 2. No		
19. Does main buyer provide loans/credit ? 1. Yes; 2. No		
Artificial insemination and cross-bred cows		
20. Availability of cross-bred cows for buying? 1. Very available; 2. Some; 3. Not available; -88. Don't know		
21. Availability of A.I. agent? 1. Mostly available; 2. Sometimes available; 3. Not available		
22. Do you use A.I.? 1. Yes; 2. No		
23. How far do you have to walk to have access to an A.I. agent ? (One way in minutes)		
24. Quality of A.I. agent? 1. Very good; 2. Moderately useful; 3. Not useful; -88. Don't know		
25. Availability of cross-bred semen? 1. Mostly available; 2. Sometimes available; 3. Not available; -88. Don't know		
Extension on dairy related issues		
27. Availability of livestock extension agents? 1. Mostly available; 2. Sometimes available; 3. Not available >> q24; -88. Don't know >> q24		
28. Quality of extension advice on dairy related issues? 1. Very good; 2. Moderately useful; 3. Not useful; 4. Never received advice; -88. Don't know		

	NOW	TEN YEARS AGO (or less for those started more recently)
Feed		
29. Availability of communal grazing land ? 1. Mostly available; 2. Sometimes available; 3. Not available; -88. Don't know		
30. Availability of private grazing land ? 1. Mostly available; 2. Sometimes available; 3. Not available; -88. Don't know		
31. Do farmers rent out grazing land in this kebele ? 1. Yes; 2. No		
32. Most common feeding system (dry season) ? 1. Only grazing (free-range/tethered); 2. Only stall feeding; 3. Mainly grazing with some stall feeding; 4. Mainly stall feeding with some grazing		
33. What type of feed do you purchase ? a. Fodder and crop residues? 1. Yes; 2. No b. Wheat bran/frusheka/frushekelo? 1. Yes; 2. No c. Oilseed cake (fagulo)? 1. Yes; 2. No d. Molasses? 1. Yes; 2. No e. Commercial pre-mix brand/mixen ? 1. Yes; 2. No f. Multi-nutrient block (MNB) ? 1. Yes; 2. No g. Salt/salt-bar ? 1. Yes; 2. No h. Beer byproduct ? 1. Yes; 2. No	a._____ b._____ c._____ d._____ e._____ f._____ g._____ h._____	a._____ b._____ c._____ d._____ e._____ f._____ g._____ h._____
34. How far do you have to walk to commercial feed seller (of industrial byproducts or concentrated feeds) ? (One way in minutes)		
35. Is there choice between different commercial feed sellers (of industrial byproducts or concentrated feeds)? 1. A lot; 2. A little; 3. No choice		
Animal health		
36. Are your cows vaccinated ? 1. Yes; 2. No		
37. If cows are sick, would they be treated by veterinary/animal health extension worker ? 1. Always; 2. Often; 3. Rarely; 4. Never		
38. How far is the nearest animal health post ? (One way in minutes)		
39. Availability of veterinary or animal health extension worker? 1. Mostly available; 2. Sometimes available; 3. Not available; -88. Don't know		
40. Quality of advice on animal health related related issues? 1. Very good; 2. Moderately useful; 3. Not useful; 4. Never received advice; -88. Don't know		
41. How far do you have to walk to get animal medicines (to clinic or pharmacy)? (One way in minutes)		
42. Availability of medicines at this clinic/pharmacy? 1. Mostly available; 2. Sometimes available; 3. Not available; -88. Don't know		
43. Quality of medicines at the clinic ? 1. Very good; 2. Moderate; 3. Bad; -88. Don't know		

SECTION J: ACCESS TO AGRICULTURAL SERVICES AND KNOWLEDGE TECHNOLOGY

		Household ID 1 [Select from HH Roster Code- if whole household, use code 99]	Household ID 2 [Select from HH Roster Code]	Household ID 3 [Select from HH Roster Code]
1. In the past 12 months, have you (or someone else in your household) received a visit from or visited a **livestock extension agent**?	___ 1. Yes; 2. No >> q4			
2. How often in the last 12 months did you (or someone else in your household) talk to a **livestock extension agent** on **dairy related issues?**		_____ Times	_____ Times	_____ Times
3. What type of **organization** provided the service (mainly)? 1. NGO; 2. Government; 3. Private; 4. Other; -88. Do not know				
4. In the last 12 months, did you (or someone else in your household) participate in a **community meeting** held to discuss dairy related issues?	___ 1. Yes; 2. No >> Next line			
5. In the last 12 months, did you (or someone else in your household) visit a demonstration of a **dairy model farmer**, Farming Training Center (FTC) or a research station on dairy related activities?	___ 1. Yes; 2. No >> Next line			
6. In the last 12 months, did you (or someone else in your household) use the **interactive voice response system**/ short message system ("**8028 hotline**")?	___ 1. Yes; 2. No >> Next line			
7. Have you (or someone else in your household) **ever** received training/advice on **management of cross-bred cows**?	___ 1. Yes; 2. No >> Next line			
8. Have you (or someone else in your household) **ever** received training/advice on improved **feed management and feeding practices** ?	___ 1. Yes; 2. No >> Next line			
9. Have you (or someone else in your household) **ever** received training/advice on improved **cow health** management practices ?	___ 1. Yes; 2. No >> Next line			
10. Have you (or someone else in your household) **ever** received training/advice on **food safety and hygiene** related to dairy activities (milking, storage, handling of milk, …)?	___ 1. Yes; 2. No >> Next line			
11. Have you (or someone else in your household) **ever** received training/advice on improved **milk processing** techniques?	___ 1. Yes; 2. No >> Next line			
12. Have you (or someone else in your household) **ever** received training/advice on **record keeping** of animals?	___ 1. Yes; 2. No >> Next line			
13. Have you (or someone else in your household) **ever** received training/advice on **shed construction**?	___ 1. Yes; 2. No >> Next line			

SECTION K. PERCEPTIONS

SECTION K.1. DAIRY COW FEED

13. In your opinion, did your cows have enough to eat in the following periods?
    a. Tir 2009 - Guiebot 2009 _____ 1. Yes; 2. No
    b. Sene 2009 – Tahsas 2010 _____ 1. Yes; 2. No

14. I do self-blending of feed as cost of commercial pre-mixed feed is too high _____ 1. Strongly disagree; 2. Disagree; 3. Somewhat agree; 4. Agree; 5. Strongly agree

15. My cows would produce more milk if I would feed them more concentrated feed _____ 1. Strongly disagree; 2. Disagree; 3. Somewhat agree; 4. Agree; 5. Strongly agree

16. I only use concentrated feed when a cow is sick or recovering from sickness or giving birth _____ 1. Strongly disagree; 2. Disagree; 3. Somewhat agree; 4. Agree; 5. Strongly agree

SECTION K.2. CHILD NUTRITION (If possible, target spouse or another female household member for the following questions)

1. During **Hudade tsome/Ramadan**, a young child less than 2 years old should not observe fasting. _____ 1. Strongly disagree; 2. Disagree; 3. Somewhat agree; 4. Agree; 5. Strongly agree

2. During **Hudade tsome/Ramadan**, children 6-23 months of age should continue eating eggs, milk and meat to grow healthy. _____ 1. Strongly disagree; 2. Disagree; 3. Somewhat agree; 4. Agree; 5. Strongly agree

3. During **Hudade tsome/Ramadan**, children 6-23 months of age should continue to eat as often as usual to grow healthy. _____ 1. Strongly disagree; 2. Disagree; 3. Somewhat agree; 4. Agree; 5. Strongly agree

4. During **Hudade tsome/Ramadan**, infants and children under 2 years of age should be breastfed as often as usual to grow healthy. _____ 1. Strongly disagree; 2. Disagree; 3. Somewhat agree; 4. Agree; 5. Strongly agree

5. At what age do you believe children should begin observing fasting (days)? _____ In Years

6. At what age should a baby first start to receive liquids (including water) other than breast milk? _____ In Months

7. At what age should a baby start receiving milk (cow, goat, powdered) other than breast milk? _____ In Months

8. At what age should a baby first start to receive (any) foods in addition to breast milk? _____ In Months

9. At what age should a baby start eating eggs and meat? _____ In Months

10. How many times a day should a 6-9 month old baby eat food (other than breast milk)? _____ Times; -88. Don't know
    (NUMBER OF TIMES INCLUDES BOTH MEALS AND SNACKS, OTHER THAN TRIVIAL AMOUNTS.)

11. How many times a day should a 12-24 month old child eat food (other than breast milk)? _____ Times; -88. Don't know
    (NUMBER OF TIMES INCLUDES BOTH MEALS AND SNACKS, OTHER THAN TRIVIAL AMOUNTS.)

12. How often should a baby 6-23 months old eat animal source foods such as eggs, milk and meat? _____ 1. Every day; 2. Several times a week; 3. Once a week; 4. Once to several times a month; 5. Less than once a month; 6. Never; -88. Don't know

13. Should a 1-year old child eat only the same foods as the rest of the family? _____ 1. Agree; 2. Disagree; -88. Don't know

14. What are some foods that contain vitamin A (a nutrient necessary to protect the body from illness)? a.___ b.___ c.___ 1. Orange colored fruits/vegetables; 2. Green leaves; 3. Eggs; 4. Liver; 5. Breast milk; 6. Cow's milk; -88. Don't know
    (MULTIPLE RESPONSES POSSIBLE)

SECTION L: FOOD CONSUMPTION

0.1 Is the spouse pregnant (at the time of the survey) ? _____ 1. Yes ; 2. No

0.2 Is the spouse breast-feeding (at the time of the survey) ? _____ 1. Yes ; 2. No

SECTION L.1: FOOD CONSUMPTION BY HEAD OF HOUSEHOLD

Note to enumerator: Please ask the respondent what he/she ate yesterday and fill the information on a note pad. Make sure the respondent lists all the food types that he/she ate for breakfast, lunch, dinner and snacks. Then fill up this table according to that information.

1. We want to begin by asking about your own food consumption. Thinking about what you have eaten yesterday, did you consume the following types of foods:

#	FOOD TYPE	*Examples of foods in this group*	**Did you consume this food or type of food yesterday?** 1 Yes 2 No		**Did you consume this food or type of food in the last 7 days of the last non-fasting week?** 1 Yes 2 No
a	Injera				
b	Other foods made with grains	*Bread, biscuits, cookies, macaroni*			
c	Roots and tubers	*Potatoes, anchote, beet root*			
d	Orange colored vegetables	*Sweet potatoes, pumpkin, carrots, squash*			
e	Leafy dark green vegetable	*Spinach*			
f	Other vegetable	*Tomato, onion*			
g	Vitamin A rich fruits	*mango, papayas*			
h	Other fruits	*Banana orange, pineapple*			
i	Meat	*Beef, mutton, lamb, goat, chicken*		*If No:*	
j	Eggs			*If No:*	
k	Fresh, canned or dried fish or other seafood	*Tuna, Nile Perch, Tilapia*		*If No:*	
l	Legumes	*Horse beans, lentils, cow, field or chick peas*			
m	Nuts and seeds	*Chestnut, almonds, sesame, sunflower*			
n	Dairy product	*a.Liquid milk*		*If No:*	
		b.Yoghurt		*If No:*	
		c.Baadu		*If No:*	
		d.Cheese		*If No:*	
o	Fats and oils	*Foods made with oils, fats, ghee, butter (like fried foods)*		*If No:*	
p	Sugar, honey, sweets				
q	Coffee, tea, soft drinks				

2. Were YOU fasting yesterday? 1. Yes; 2. No	
3. Was yesterday a habitual day? (no feast, mahiber…)? 1. Yes; 2. No	
4a. Was yesterday a market day? 1. Yes; 2. No >> q5	
4b. If yes, did you go to the market? 1. Yes; 2. No	
5. Did the head respond to the questions in this section? 1. Yes >> Section L2; 2. No	
6. Why did you not interview the head? 1. S/he is travelling (not in the kebele); 2. S/he is in the kebele but not in present during the interview'; 3. Other; -77. Refused	

SECTION L.2. FOOD CONSUMPTION BY SPOUSE (SKIP IF FEMALE HEADED HOUSEHOLD)

Note to enumerator: Please ask the respondent what he/she ate yesterday and fill the information on a note pad. Make sure the respondent lists all the food types that he/she ate for breakfast, lunch, dinner and snacks. Then fill up this table according to that information.

1. We want to begin by asking about your own food consumption. Thinking about what you have eaten yesterday, did you consume the following types of foods:

#	FOOD TYPE	*Examples of foods in this group*	**Did you consume this food or type of food yesterday?** 1 Yes 2 No		**Did you consume this food or type of food in the last 7 days of the last non-fasting week?** 1 Yes 2 No
a	Injera				
b	Other foods made with grains	*Bread, biscuits, cookies, macaroni*			
c	Roots and tubers	*Potatoes, cassava*			
d	Orange colored vegetables	*Sweet potatoes, pumpkin, carrots, squash*			
e	Leafy dark green vegetable	*Spinach*			
f	Other vegetable	*Tomato, onion*			
g	Vitamin A rich fruits	*mango, papayas*			
h	Other fruits	*Banana orange, pineapple*			
i	Meat	*Beef, mutton, lamb, goat, chicken*		*If No:*	
j	Eggs			*If No:*	
k	Fresh, canned or dried fish or other seafood	*Tuna, Nile Perch, Tilapia*		*If No:*	
l	Legumes	*Horse beans, lentils, cow, field or chick peas*			
m	Nuts and seeds	*Chestnut, almonds, sesame, sunflower*			
n	Dairy product	*a.Liquid milk*		*If No:*	
		b.Yoghurt		*If No:*	
		c.Baadu		*If No:*	
		d.Cheese		*If No:*	
o	Fats and oils	*Foods made with oils, fats, ghee, butter (like fried foods)*		*If No:*	
p	Sugar, honey, sweets				
q	Coffee, tea, soft drinks				

2. Were YOU fasting yesterday? 1. Yes; 2. No	
3. Was yesterday a habitual day? (no feast, mahiber…)? 1. Yes; 2. No	
4a. Was yesterday a market day? 1. Yes; 2. No >> q5	
4b. If yes, did you go to the market? 1. Yes; 2. No	
5. Did the spouse respond to the questions in this section? 1. Yes >> Section L3; 2. No	
6. Why did you not interview the head? 1. S/he is travelling (not in the kebele); 2. S/he is in the kebele but not in present during the interview'; 3. Other; -77. Refused	

SECTION L.3. FOOD CONSUMPTION OF THE YOUNGEST CHILD (Respondent: the mother of the child/ Adult female members of the household)

THESE QUESTIONS ARE TO BE ASKED ABOUT THE YOUNGEST CHILD THAT WAS **AT HOME YESTERDAY** WHO MUST BE LESS THAN 5 YEARS OF AGE. IN THE BOX BELOW, INSERT THE ID CODE AND NAME FOR THAT CHILD. IF THERE IS NO CHILD LESS THAN 5 YEARS, INSERT '-99' AND SKIP TO THE NEXT SECTION. MAKE SURE THAT RESPONDENT IS PRIMARY CAREGIVER.

ID OF THE CHILD: [from household roster]		
NAME OF THE CHILD:		
AGE OF THE CHILD (in months):		

1. Has (NAME) ever been breastfed? 1. Yes ; 2. No	
2. Was (NAME) breastfed yesterday during the day or at night? 1. Yes ; 2. No	
3. Was (NAME) given any vitamin drops or other medicines as drops yesterday during the day or at night? 1. Yes ; 2. No	
4. Was (NAME) given [LOCAL NAME FOR ORS] yesterday during the day or at night? 1. Yes ; 2. No	

5. Next, we would like to ask you about **liquids** that (NAME) may have had yesterday during the day or at night. Did (NAME) have any:

#	LIQUID TYPE:	Did (NAME) consume this food or type of food yesterday? 1 Yes 2 No			Did (NAME) consume this food or type of food in the last 7 days of the last non-fasting week? 1 Yes 2 No
a	Plain water				
b	Infant formula (of any brand)		TIMES : _____		
c	1. Fresh animal milk (non-processed)		TIMES : _____	*If No:*	
	2. Pasteurized animal milk (from bag/tetrapak)		TIMES : _____	*If No:*	
	3. Milk made from tinned or powdered milk		TIMES : _____	*If No:*	
d	Juice or juice drinks				
e	Clear broth				
f	Yoghurt		TIMES : _____	*If No:*	
g	Thin porridge				
h	Any other liquids				

Note to enumerator: Please ask the respondent what the child ate yesterday and fill the information on a note pad. Make sure the respondent lists all the food types that the child ate for breakfast, lunch, dinner and snacks. Then fill up this table according to that information.

6. Now we would like to ask you about some of the foods that (NAME) may have consumed yesterday during the day or at night. Did (NAME) have any:

#	FOOD TYPE	Did (NAME) consume this food or type of food yesterday? 1 Yes 2 No		Did (NAME) consume this food or type of food in the last 7 days of the last non-fasting week? 1 Yes 2 No
a	Porridge (made from teff, maize/corn, barley, or other grains)			
b	Gruel (thin or watery porridge made from rice, oats, wheat, or other grains)			
c	Commercially fortified food (Cerifam, Fafa, Farmixt milk, S26, Favena, Berta, Mother's Choice)			
d	Bread, pasta, rice, noodles, or any other solid foods made from oats, maize/corn, barley, wheat, sorghum, millet or other grains			
e	Injera or kita			
f	Enset, white potatoes, white yams, bulla, kocho, kasava, or any other foods made from roots			
g	Pumpkin, carrot, squash, or sweet potatoes that are yellow or orange inside			
h	Dark green leafy vegetables (kale, spinach, amaranth leaves)			
i	Other vegetables (onion, cabbage, mushroom, starchy vegetables such as plantain)			
j	Ripe papayas or ripe mangos (other local vitamin A-rich fruits)			
k	Other fruits (bananas, apples, pineapple, oranges, citrus fruits)			
l	Liver, kidney, heart, or organ meats		*If No:*	
m	Any meat such as beef, pork, goat or lamb (not including any organ meats, chicken, ducks, or other birds)		*If No:*	
n	Chicken, ducks, or other birds		*If No:*	
o	Eggs		*If No:*	
p	Fresh or dried fish or shellfish		*If No:*	
q	Legumes such as peas, lentils, beans or pulses			
r	Nuts or seeds such as peanuts, groundnuts, sesame, or sunflower seeds			
s	Cheese		*If No:*	
	Baadu		*If No:*	
t	Any food made from oil, fat, or butter		*If No:*	
u	Ready-to-use therapeutic foods (Plumpy Nut, F100)			
v	Kolo, chips, crisp, popcorn			
w	Candies, chocolates, cakes, cookies, or biscuits			
x	Spices or condiments			

7. ENUMERATOR: IF THE ANSWERS ABOUT YESTERDAY'S FOOD CONSUMPTION IN THIS PAGE [Q4. a to x] ARE ALL 'NO': Why didn't the child eat anything yesterday? 1. Due to illness; 2. There was no money to buy food/There was no food in the house; 3. It was a fasting day; 4. Child was breastfed only; 5. Other reasons (specify)	

SECTION L.4. DAIRY CONSUMPTION IN THE LAST 7 DAYS (Respondent: the mother of the child/ Adult female members of the household)

1. Did you (or someone else in your household) observe fasting at any point in the past 7 days? _____ 1. Yes; 2. No
2. Did the youngest child (<5 years) observe fasting at any point in the past 7 days? _____ 1. Yes; 2. No; -99 Not applicable

We would like to ask you a couple of questions related specifically to the total dairy consumption over the past 7 days (insert -99 if not applicable)

DAIRY ITEM	3. Has anyone in your household consumed this item in the past 7 days? 1. Yes 2. No >>Next row	4. How much did your household as a whole consume of this item in total in the past 7 days? Kg/liters	5. How much did your household consume of this item from **own production** in the past 7 days? Kg/liters	6. Did the youngest child (< 5 years old) consume this item in the past 7 days? 1. Yes 2. No >> q9	7. How much did youngest child (< 5 years old) consume of this item in the past 7 days? Kg/liters	8. How much did the youngest child (< 5 years old) consume of this item from **own production** in the past 7 days? Kg/liters	9. In the past 7 days, did your household acquire this dairy product from outside the household? 1. Yes 2. No >> Next row	10. Has your household purchased this item in the past 7 days ? 1. Yes 2. No >> q13	11. How much has your household purchased of this item in the past 7 days? Kg/liters	12. How much did you spend on average on one kg/liter of this item in the past 7 days? Birr	13. Did your household obtain any quantity of this item as a gift, as rent or as part of a wage of any kind? 1. Yes 2. No >>Next row	14. How much was received in this way of this food item in the past 7 days? Kg/liters
a. Milk												
b. Yoghurt												
c. Cheese												
d. Butter												
e. Baadu/Areera												

SECTION L.5. FOOD SECURITY (Respondent: the mother of the child/ Adult female members of the household)

0. How many months in the last 12 months did you have problems satisfying the food needs of the household?_____ months

1a. In the past 12 months did you **worry** that your household would not have enough food? 1. Yes; 2. No >> q2a	
1b. How often did you worry in the past 12 months? 1. Rarely (1-2 times); 2. Sometimes (3-10 times); 3. Often (More than 10 times)	
2a. In the past 12 months were you or any household members not able to eat the **kinds of foods you preferred** because of lack of resources? 1. Yes; 2. No >> q3a	
2b. How often does this happen in the past 12 months? 1. Rarely (1-2 times); 2. Sometimes (3-10 times); 3. Often (More than 10 times)	
3a. In the past 12 months did you or any household members have to eat a **limited variety of foods** because of lack of resources? 1. Yes; 2. No >> q4a	
3b. How often did this happen in the past 12 months? 1. Rarely (1-2 times); 2. Sometimes (3-10 times); 3. Often (More than 10 times)	
4a. In the past 12 months did you or any household members eat **food that you did not want to eat** because of lack of resources to obtain other types of food? 1. Yes; 2. No >> q5a	
4b. How often does this happen in the past 12 months? 1. Rarely (1-2 times); 2. Sometimes (3-10 times); 3. Often (More than 10 times)	
5a. In the past 12 months did you or any household members have to eat **a smaller meal than you felt you needed** because there wasn't enough food? 1. Yes; 2. No >> q6a	
5b. How often does this happen in the past 12 months? 1. Rarely (1-2 times); 2. Sometimes (3-10 times); 3. Often (More than 10 times)	
6a. In the past 12 months did you or any household member have to eat **fewer meals** in a day because there was not enough food? 1. Yes; 2. No >> q7a	
6b. How often does this happen in the past 12 months? 1. Rarely (1-2 times); 2. Sometimes (3-10 times); 3. Often (More than 10 times)	
7a. In the past 12 months was there ever **no food to eat at all** in your household because there were no resources to get any food? 1. Yes; 2. No >> q8a	
7b. How often does this happen in the past 12 months? 1. Rarely (1-2 times); 2. Sometimes (3-10 times); 3. Often (More than 10 times)	
8a. In the past 12 months did you or any household member **go to sleep at night hungry** because there was not enough food? 1. Yes; 2. No >> q9a	
8b. How often does this happen in the past 12 months? 1. Rarely (1-2 times); 2. Sometimes (3-10 times); 3. Often (More than 10 times)	
9a. In the past 12 months did you or any household member **go a whole day without eating** anything because there was not enough food? 1. Yes; 2. No >> Section M	
9b. How often does this happen in the past 12 months? 1. Rarely (1-2 times); 2. Sometimes (3-10 times); 3. Often (More than 10 times)	

SECTION M: LAND OWNERSHIP AND CULTIVATION

A. How many parcels did you own and/or cultivate crop agriculture **for which the harvest fell between** between **1 Tir 2009** and **30 Tahsas 2010 (Belg 2009 + Meher 2010)**?

CROP AGRICULTURE	Owned by the household								Rented in, sharecropped in or provided rent-free to the HH				
	Cultivated by the household *or* not cultivated				Cultivated by another household								
	1. Number of parcels	2. Local area	3. Local area unit code (8)	4. Area (ha)	5. Number of parcels	6. Local area	7. Local area unit code (8)	8. Area (ha)	9. Number of parcels	10. Local area	11. Local area unit code (8)	12. Area (ha)	13. If rented/ sharecropped in, price (Birr/ha/year)
TOTAL													

B. How many parcels did you own and/or use for **grazing** land between **1 Tir 2009** and **30 Tahsas 2010 (Belg 2009 + Meher 2010)**?

GRAZING LAND	Owned by the household								Rented in or provided rent-free to the HH				
	Used by the household				Used by another household								
	14. Number of parcels	15. Local area	16. Local area unit code (8)	17. Area (ha)	18. Number of parcels	19. Local area	20. Local area unit code (8)	21. Area (ha)	22. Number of parcels	23. Local area	24. Local area unit code (8)	25. Area (ha)	26. If rented in, price (Birr/ha/year)
TOTAL													

SECTION N: CROP PRODUCTION (FOR ALL PLOTS CULTIVATED BY THE FARMER HIMSELF)

Code 8 :
01 Hectare 06 Kert
02 Kedema 07 Massa
03 Gasha 08 Kufaro
04 Gemad 09 Zhir
05 Timad 10 Other

We would now like to ask you about each of the plots and how they were used for the harvest that fell between **1 Tir 2009 and 30 Tahsas 2010 (Belg 2009 + Meher 2010)?**
PLEASE LIST FOR ALL THE PRODUCTS THAT WERE HARVESTED IN BELG 2009 OR MEHER OF 2010 HOW MUCH WAS HARVESTED

NO	1. Crop Code (5)	2. Season in 2009 Meher.....1 Belg.....2 Perennial.....3	3. How much [crop] was harvested? In quintals	NO	1. Crop Code (5)	2. Season in 2009 Meher.....1 Belg.....2 Perennial.....3	3. How much [crop] was harvested? In quintals
01				07			
02				08			
03				09			
04				10			
05				11			
06				12			

SECTION O: NON-CROP and NON-DAIRY INCOME

CODE		a. In the last 12 months, has any HH member received payment (including in-kind payments) for […]? 1. Yes; 2. No >> Next line	b. How much has the HH received in the past year from […]? (INCLUDE THE ESTIMATED VALUE OF IN-KIND PAYMENTS) Birr
Rental income			
1	Renting and/or sharecropping land out for crop agriculture		
2	Renting grazing land out		
3	House rent		
4	Other rental income (cattle, material, …)		
Income from livestock and livestock products other than animals and dairy products			
5	Manure		
6	Eggs		
7	Honey		
8	Hide / skins		
9	Dung cake		
10	Other income from livestock:_____		
Income from grasses and trees			
11	Grasses		
12	Trees (e.g. Eucalyptus)		
13	Charcoal and firewood		
Other agricultural income			
14	Income from processing/milling		
15	Other agricultural income:_____		
Wage income			
16	Wage income male		
17	Wage income women		
Non-farm enterprise income and remittances			
18	Non-farm enterprise/commerce		
19	Remittances		
Other incomes			
20	Specify: _____		

SECTION P. ASSETS

SECTION P.1. LIVESTOCK ASSETS

1 Do you have separate shed for cattle? _____ 1. Yes; 2. No >> q9

2 If yes, how many? Number: _____

3 What time of the day do you keep cows in the shed? _____ 1. Day time only; 2. Night time only; 3. Both day and night time

4 Total area of the shed: _____ square meter

5 Roof material of the shed?_____ 1. Plastic sheeting; 2. Woods/grass/thatch; 3. Mud/ sand / stone; 4. Corrugated metal

6 Wall material of the shed?_____ 1. No walls; 2. Wood; 3. Wood with mud; 4. Stone with mud; 5. Corrugated metal; 6. Others

7 Floor material of the shed?_____1. Earth; 2. Cowdung or dung mixed with solid; 3. Concrete, stone, cement; 4. Other

8 Current approximate value of the shed:_____ Birr

ASSET CODE	Type of livestock asset	9. Does any member of the HH own a [ASSET]? 1. Yes; 2. No >> Next line	10. How many are owned by the HH? Number	11. If you were to sell ONE of your [ASSET] today, what would the value be? Birr
LIVESTOCK ASSETS				
01	Feed pot	___		
02	Stainless steel cans	___		
03	Plastic milk cans	___		
04	Stainless steel buckets	___		
05	Plastic buckets	___		
06	Milking machine	___		
07	Milking utensils	___		
08	Other, specify: _____	___		
09	Other, specify: _____	___		
10	Other, specify: _____	___		

SECTION P.2. AGRICULTURAL AND HOUSEHOLD ASSETS

We would now like to ask you about the assets that you own.

TOOL	Type of agricultural tool	1. Does any member of the HH own a [TOOL]? 1. Yes; 2. No >> Next line	2. How many are owned by the HH? Number	3. If you were to sell ONE of your ["…"] today, what would their value be? Birr
FARM ASSETS				
01	Axe (metrebia)	___		
02	Pick-axe (doma)	___		
03	Sickle (haamtu)	___		
04	Yoke (waanjo)	___		
05	Plough (include all related parts) (giinddoo)	___		
06	Hay fork (qorbii)	___		
07	Shovel (akaafaa)	___		
08	Hoe (gasoo/saapheettaa)	___		
09	Winnower (laameedaa/darbaa)	___		
10	Horse/donkey cart for agriculture	___		
11	Water pump (bishaan arkiistuu)	___		
12	Tractor/hand-held motorized tiller	___		
13	Chemical sprayer (Mercha)	___		
HOUSEHOLD ASSETS				
14	Improved charcoal/wood stove	___		
15	Kerosene stove	___		
16	Modern bed	___		
17	Sofa/couch	___		
18	Modern chair	___		
19	Modern table	___		
20	Radio	___		
21	Television	___		
22	Electric fan	___		
23	Mobile phone	___		
24	Bicycle	___		
25	Motorbike	___		
26	Car or truck	___		

SECTION Q: LIVESTOCK OWNERSHIP OTHER THAN CATTLE

Can you tell us about your herd of livestock other than cattle?

ANIMAL CODE	NAME	1. Does any member of the HH own a ["…"]? 1. Yes; 2. No >> Next line	2. How many are owned by the HH as a whole? Number	3. Who owns the most? [Select from HH Roster Code- if mixed, use code 99]	4. How many animals are owned by the person who owns the most? Number	5. If you were to sell ONE of your ["…"] today, what would their value be? Birr
01	SHEEP					
02	GOATS					
03	HORSES					
04	DONKEYS					
05	MULES					
06	CAMELS					
07	PIGS					
08	CHICKENS					
09	DUCKS/GEESE					
10	BEEHIVES					
11	OTHER					

SECTION R: HOUSING QUALITY & HOUSEHOLD ASSETS

1. What is the main source of drinking water for members of your household?	Piped Water (bishaan boombaa) Piped into dwelling/compound……01 Public standpipe……02 Tube well or borehole (bishaan bollaa/birii)……03 Dug well (bishaan bollaa kan hineegamne)……04 Water from spring (bishaan burqaa) Protected spring (eegamaa)……05 Unprotected spring (kan hineegamne)……06 Rainwater (bokkaa)……07 Tanker water ……08 Surface water (bishaan ciisu/haaro)……09 Bottled water ……10 River (bishaan yaa'u) ……11 Other ……12	__,__
2. What type of toilet facility do members of your household usually use?	Flush or pour flush toilet ……1 Pit latrine with slab(mana fincaani-slaabii qabu)……2 Pit latrine with OUT slab (b mana fincaani-slaabii KAN Hin qabne)……3 Composting toilet……4 Bucket toilet……5 No facility / bush / field……6	__
3. What materials have mainly been used to construct the roof of the main house?	Plastic sheeting……1 Woods/grass/thatch……2 Mud/ sand / stone……3 Corrugated metal……4	__
4. What materials have mainly been used to construct the walls of the main house?	Wood……1 Wood with mud……2 Stone with mud……3 Others……4	__
5. What materials have mainly been used to construct the floor of the main house?	Earth (biyyo)……1 Cowdung or dung mixed with soild (doqqee sa'aa)……2 Plastic sheeting over earth……3 Concrete, stone, cement……4 Tile ……5	__
6. What is the main type of lighting mainly used by your household?	Electric lights (main/kini-grid grid)……1 Electric lights (solar) ……2 Electric lights (car battery) ……3 Generator ……4 Torch lights (baatrii)……5 Oil lamps (kuurraazzi/faanoosii)……6 Candles (shaamaa) ……7 Bio-gas ……8 Other……9 None……10	__
7. How many distinct rooms does your main house (house where you reside in) have? (number)		__
8. How many windows does your main house have? (number)		__
9. If you were going to buy a house similar your main house, how much would you expect to pay? (Birr)		__
10. How many additional houses other than your main house do you own in total? [NUMBER]		__
11. [If q10>0,] If you were going to buy houses similar to the ones you additionally own, how much would you expect to pay? (Birr)		__

SECTION S: FARMER CHARACTERISTICS

1. Is anyone in the household a member of a **general agricultural cooperative?** (if no >> put 0)	[Select from HH Roster Code, if mixed, code 99]	___
2. Is anyone in the household a member of a **dairy cooperative?** (if no >> put 0)	[Select from HH Roster Code, if mixed, code 99]	___
3. Has anyone in the household been selected as a **"model farmer"** in the past 5 years in the community? (if no >> put 0)	[Select from HH Roster Code, if mixed, code 99]	___
4. Does the household head have a cell phone?	1. Yes; 2. No >> q6	___

5. If yes, which number?	_____	
6. Does the spouse have a cell phone? 1. Yes; 2. No	___	
6. What is the religion of the household head?	___	1. Orthodox Christian; 2. Protestant; 3. Catholic; 4. Muslim; 5. Waqqefeta; 6. Other; 7. None
7. What is the ethnicity of the household head?	___	1. Amhara; 2. Oromo; 3. Tigrayan; 4. Aderi; 5. Afar; 6. Gurage; 7. Somali; 8. Sidama; 9. Kembata; 10. Erob; 11. Agew; 12. Gumz; 13. Other

8. Using the usual form of transportation, how long does it take to get to [….] in minutes (one way)?	a. The nearest dry season road?	b. The nearest all-weather road?	c. The nearest asphalt/tar road?	d. The nearest market place?	e. The woreda administrative center?	f. The nearest agricultural coop ?	g. The nearest agro-input dealer?	h. The nearest orthodox church?
Now								
10 years ago (**or** if moved more recently: _____ years ago)								

SECTION T: CREDIT

1. In the period between 1 Tirr 2009 and 30 Tahsas 2010, has anyone in the HH taken out a loan of at least 1000 Birr, in cash or IN KIND? 1. Yes >> q3; 2. No	
2. Why did you not take such a loan? (MULTIPLE RESPONSES POSSIBLE) NO NEED FOR A LOAN……1 TRIED, BUT WAS REFUSED……..2 NO ONE AVAILABLE TO GET A LOAN FROM….3 EXPECTED TO BE REJECTED, DID NOT TRY…4 NO ASSETS FOR COLLATERAL……5 AFRAID OF LOSING COLLATERAL…..6 AFRAID THAT CANNOT PAY BACK…..7 INTEREST RATES TOO HIGH……..8 BANK / MFI TOO FAR……9 OTHER……10	a. ___ b. ___ c. ___

3. Please give details about each of these loans. Include those you have paid back as well as those you have not paid back yet.
IF THERE ARE MORE THAN FOUR, PROVIDE DETAILS FOR THE FOUR LARGEST LOANS IN VALUE.

1. Loan number SEPARATE LINE FOR EACH LOAN	2. Source of the loan Code (9)	3. How much did you borrow? Birr	4. What type of guarantee did you provide? 1. Land; 2. Machine; 3. Livestock; 4. Group lending; 5. Other; 6. None	5. Why did you take out the loan? Code (10)
1	___		___	___,___
2	___		___	___,___
3	___		___	___,___
4	___		___	___,___

END OF THE SURVEY: Finish time (Ethiopian local time): _____:_____

Remarks enumerator/supervisor: