

**QUESTIONNAIRE FOR STUDIES ON
RURAL ENERGY AND HOUSEHOLD FOREST VALUES UNDER VARYING MANAGEMENT REGIMES
HOUSEHOLD UNIQUE ID CODE _____**

TO THE RESPONDENT: The general objective of this survey is to study household behavior regarding sustainable land use. The data to be generated from this survey will be used by researchers at the Ethiopian Development Research Institute and Gothenburg University. Results of the information obtained by this survey are released in the form of averages and other statistics. Individual level information will not be revealed at any one time. It is very important that the answers to the questions are correct since the results of the study depend very significantly on the correctness of the responses. We believe that you will duly consider these issues upon response to our questions. Thank you!

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1. INTERVIEWER [INTNAME]: _____
2. ENUMERATOR WALKING SPEED IN METRES PER MINUTE: [EMPM] ____
3. REGION _____
4. WOREDA [WOREDA] _____
5. KEBELE ADMINISTRATION [KEBELE] _____
6. GOT [GOT] _____
7. HOUSEHOLD ID CODE [HHID] _____
8. NAME OF HOUSEHOLD HEAD [HHNAME] _____
9. NAME OF RESPONDENT FOR SURVEY (IF DIFFERENT FROM HEAD) [IFNOTHH] _____ ID CODE: _____
10. CORRUGATED ROOF (YES=1, NO=2) [CRRGTHS] _____ MAIN FLOORING MATERIAL(EARTH...1, CEMENT.....2, OTHER....3) _____
11. THE MAIN CONSTRUCTION MATERIAL OF THE OUTSIDE WALLS OF THE HOUSE (Wood...1, Cement...2, Fired bricks....3, Earth bricks...4, Other(specify).....5) _____
12. NUMBER OF ROOMS [KITCHEN AND TOILET NOT INCLUDED] _____
13. SEPARATE KITCHEN (YES=1, NO=2) [KITCHEN] _____
14. ENUMERATOR: DISTANCE TO NEAREST TOWN ____ K.M , ON FOOT ----- MINUTES
15. DISTANCE TO NEAREST MAIN ROAD ____ K.M , ON FOOT ----- MINUTES
16. LOCATION OF HOUSE: LATITUDE _____ LONGITUDE _____
17. DATE OF INTERVIEW [INTDATE]
Date ____ Month ____ Year _____
18. SUPERVISOR [SUPNAME] _____
19. STATUS [STATUS] _____
OK _____
RETURN _____
20. REMARKS [REMARK] _____

CODE A: Relation To Household Head

Head.....1
Spouse (Wife/Husband/Partner).....2
(Step) Son/(Step) Daughter.....3
Grandchild.....4
Father/Mother.....5
Father(In-Law)/Mother(In-Law).....6
Sister(In-Law)/Brother(In-Law).....7
Nice/Nephew.....8
Uncle/Aunt.....9
Son/Daughter-In-Law.....10
Grandparents.....11
Other Relatives.....12
Servant.....13
Tenant.....14
Other Unrelated Person.....15

CODE B: Reason For Not Residing

To be with my family.....1
To be near school.....2
Do not care for me due to health or other
problems.....3
Sent to relatives/friends or adopted
/godifecha.....4
Married.....5
Divorced out of family.....6

Returned home.....7
To look for job.....8
To take up job.....9
To run own farm or enterprise.....10
Contract ended.....11
Land shortage.....12
Draught/Famine.....13
Migration, Intentions unknown.....14
Death.....15
Other (Specify).....16

CODE C: Marital Status

Married.....1
Single.....2
Divorced.....3
Separated.....4
Widowed.....5
Other.....6
(Specify)_____

CODE D: Main Activity

Farmer or family farm worker.....1
Domestic work (incl. housewife).....2
Manual worker (builder/mason/carpenter,
etc).....3
Tailor.....4

Weaver.....5
Craft worker/potter.....6
Blacksmith.....7
Food seller (tella/tej/injera).....8
Driver/mechanic.....9
Teacher (modern).....10
Teacher (religious).....11
Health worker.....12
Party official /administrator/clerical.....13
Soldier.....14
Trader.....15
Disabled and unable to work.....16
Student (currently at school).....17
Child, too young to work.....18
Child, helping with domestic
and farm work.....19
Looking for work, but unable
to find any.....20
Not in labor force (too old).....21
Other.....22
SPECIFY _____

SECTION 1. HOUSEHOLD CHARACTERISTICS, HEALTH AND SOCIAL CAPITAL
SECTION 1.1 Household Composition And Characteristics

Name (Give all names) [MEMNAME]	1. ID CODE of household member [FAMILYNO]	2. Sex 1. Male 2. Female [SEX]	3. Age (Year) [AGE]	4. Relation to hh head (code a) [RLTNTTO HH]	5. Does the member reside with the household? Yes ... 1 go →q.7 No ... 2 [MEMLIVE]	6. If not reside with the household why? (code b) [WHNOTLIV]	7. Current marital Status1 (code c) [MARITAL]	8. Main activity (code d) [MAINACTV]
	01							
	02							
	03							
	04							
	05							
	06							
	07							
	08							
	09							
	10							
	11							
	12							
	13							
	14							
	15							
	16							
	17							
	18							
	19							
	20							
	21							
	22							
	23							

CODE A: Highest Grade Completed

1st grade incomplete (kindergarten).....0
 1st grade.....1
 2nd grade.....2
 3rd grade.....3
 4th grade.....4
 5th grade.....5
 6th grade6
 7th grade.....7
 8th grade.....8
 9th grade.....9
 10th grade.....10
 11th grade(prepare 1).....11
 12th grade (prepare 2).....12
 College Incomplete (non university).....13
 College complete (non university).....14
 University incomplete.....15
 University complete.....16
 Other (specify).....17

CODE B: Type of Education

Formal Ministry of Education.....1
 Church school Orthodox.....2
 Muslim School.....3
 Other (specify).....4

CODE C: Type of Training Attended

Management-----1
 General agro-economics-----2
 Rural technology/hand craft-----3
 Farmers association & management-----4
 Other (specify)-----5

CODE D: Health Situation

Very good.....1
 Good.....2
 Average.....3
 Poor.....4
 Very poor.....5

CODE E: Health Problem or Disability

Slightly poor eyesight-----1
 Very poor eyesight -----2
 Totally blind-----3
 Slightly poor hearing-----4
 Very poor hearing-----5
 Totally deaf-----6
 Some difficulty speaking-----7
 Totally dumb-----8
 Difficulty walking -----9
 Totally unable to walk -----10
 Missing arm -----11
 Missing both arms-----12
 Missing leg-----13
 Missing both legs-----14
 Heart problem-----15
 Lung problem -----16
 Back problem-----17
 Mental illness-----18
 Other (specify)-----99

CODE F: Symptoms

Diarrhea1
 Fever (not including malaria)2
 Fever (malaria)3
 General weakness/fainting4
 Severe headache5
 Vomiting6
 Cough/Difficulty breathing7
 Coughing blood8
 Mental disorder.....9
 Abdominal pain/stomach10
 Burn/Fracture/Wound11
 Back pains12
 Childbirth13
 Other99
 Specify: _____

SECTION 1.2. HUMAN CAPITAL: EDUCATION AND HEALTH

SECTION 1.2.1. Education

ID CODE of household member [copy from pp.3]	1. Literacy 1. None'=>9 2. Read only 3. Read and write 99. NA (Age < 6) [LITERACY]	2. Grade completed by ___ (Code a) [YRSCHOOL]	3. Type of education (Code b)	4. Did you attend any training? (All ages) 1. Yes 2. No=>go to =>next individual (SPTRING)	5. Type of training attended. (code c) [TRNGTYP1] [TRNGTYP2]

SECTION 1.2.2 Household Health

ID code of household member [Match with that on pp.3]	1. Over the last 12 months, how would you say ___'s health has been on the whole? (Code D)	2. Does ___has any short term health problem yes---1 No---2 =>q 4. 3. I don't know	3. If yes to q 2 what is the problem? Code F	4 Does ___ suffer from any disability or major chronic health problems? 1.Yes No 2 =>next individual	5. What is the Chronic health problem (Code E)

SECTION 1.2.3: Health and Biomass Energy, Cooking And Consumption Habits

6. In your opinion does the use of fuel wood, dung and crop residues cause health problems? Yes.....1, No.....2; _____
7. What type of kitchen do you have? _____
Living room.....1; In the house but separate room.....2, Outdoors (and own room)....3, Outdoor on free space.....4
Shared Kitchen..... 5, Other.....6
8. Do you think cooking smoke affects the health of women or children? Yes.....1, No.....2; _____
9. If the answer to question 8 is yes, then do you think cooking smoke causes:
a) breathing (or chest) problems in children? Yes.....1, No.....2; _____
b) breathing problems in women who do the cooking? Yes.....1, No.....2; _____
10. Do you think some cooking fuels are better for your health than others? Yes _____ 1, No _____ 2
11. Does the house have a permeable roof? 1.....Yes, 2.....No; _____
12. How many windows does your house have? _____
13. Does the house have a permeable wall? 1.....Yes, 2.....No _____

CODE A: Benefits From Local Organizations

- Improves my household's current livelihood or access to services-----1
- Important in times of emergency/in future/ insurance-----2
- Benefits the community-----3
- Enjoyment/Recreation-----4
- Spiritual, social status, self-esteem-----5
- Fair input price-----6
- Fair output price-----7
- Better access to off farm employment-----8
- Better access to public service (like health)-----9
- Feeling good about being part of a group-----10

CODE B: Difficulty of Approaching Leaders

- Very difficult-----1
- Difficult-----2
- Okay-----3
- Easy-----4
- Very easy-----5

SECTION 1.3. SOCIAL CAPITAL SECTION (TO THE HOUSEHOLD HEAD AND HIS/HER SPOUSE)

SECTION 1.3.1 Adult Children, Siblings and Other Close Relatives

We would like to ask you about your children, the brothers and sisters in your and your spouse's family and other relatives who live in this kebele or somewhere else but are not members of this household. If the head of the household is a widow or a widower, then ask about the number of brothers and sisters of the late partner.

1. Do you have adult children or step children or grand children who are alive but are not members of this household? 1=Yes,2=No _____
2. If Yes, what is the number of adult children, step and grand children who are still alive? _____
3. How many of them are living in this Kebele? _____
4. How many of them are living outside this Kebele but within this Woreda? _____

Siblings and other relatives of the household

	C O D E	5. Does the [] has adult brothers or sisters (from the same father and mother or half-brother/sister) who are still alive? 1=Yes 2=No>>9	6. Number of adult brothers and sisters (still alive)		7. Number of adult brothers and sisters living in this Kebele		8. Number of adult brothers and sisters living outside this Kebele but within this Woreda		9. Does the [] has other adult close relatives who live in this Kebele or neighboring Kebeles? 1=Yes 2=No→ Go to Next Section	10. Number of other adult relatives living in this Kebele		11. Number of other adult relatives living in the neighboring Kebeles	
			Brothers	Sisters	Brother s	Sister s	Brothers	Sisters		Male	Female	Male	Female
The household head	1												

SECTION 1.3.2. Participation in Community Organizations:

Now we would like to ask you about participation of your household in community organizations in this Kebele

Respondent ID

List of Organizations	Code	1. Rank them in order of importance(e.g 1 st , 2 nd , DK=don't know, NA=don't participate)	2.Are you or another adult member of your household a member or leader of the [] in this kebele? 1=Yes 2=No	3. Who is a member of the [] Male adult=1 Female adult=2 Both=3	4. What are the different benefits you enjoy from them? (Code A)	5. How difficult is to approach the leaders of the [] if you had a problem or case (Code B)
Kebele council	1					
Kebele administration (executive committee)	2					
Kebele social court	3					
Land use and administrative committee	4					
Service cooperatives	5					
Political party	6					
Religious assembly committee	7					
Iddir (burial association)	8					
Iqqub	9					
Microfinance institutions	10					
Others (specify)						

SECTION 1.3.3. Interactions with other People

We would like to ask you about actual and potential interactions of your household with people/other households in this Kebele: Respondent ID: _____

List	Code	Number of people you had Commitments/actual interactions in this Kebele during the last 12 months		3. Do you think you will get enough people living in this kebele you would ask for help if you happen to be in need and expect to receive help from Yes----1 No-----2
		1. Did you ask or consult [] from someone else? 1=Yes 2=No	2. Did someone else ask or consult you []? 1=Yes 2=No	
Cash credit (more than Br. 20)	1			
Credit in-kind (more than 25 kg)	2			
Wenfel	3			
Mekenajo	4			
Help in any farming activity (e.g. upon illness)	5			
Information about crop output markets	6			
Information about land rental market (availability of tenants/landlords)	7			
Information regarding farming practices, new technologies, use of modern inputs such as fertilizer, etc.	8			

4. Generally speaking, would you say that most people in his kebele can be trusted, Yes.....1, No.....2; _____

CODE A: Perceptions About Landholding

- Yourself.....1
- Village/community.....2
- Government.....3
- Other.....4
- (specify)_____

CODE B: Expected Reason For Change

- Village redistribution.....1
- Land reallocation (shigishig).....2
- Family redistribution.....3
- Inherited from parents.....4
- Inherited from other relatives.....5
- Inherited from relatives of spouse...6
- Bought.....7
- Mortgaged.....8
- Bequest/gift to others.....9
- Other10
- (Specify)_____

CODE C: Land Tenure Security Strategy

- Planting of trees.....1
- Soil conservation.....2
- Increase household size.....3
- Keep household small.....4
- Build house/hat.....5
- Involved in community work.....6
- Other.....7
- (Specify)_____

CODE D: Reason For Not Taking Action

- Land belongs to the state.....1
- Land belongs to the kebele.....2
- Other.....3
- (Specify)_____

SECTION 2. LAND CERTIFICATION, USE AND PRODUCTION (PLOT LEVEL OUTPUT AND INPUTS INCLUDING LABOR)

SECTION 2.1. LAND REGISTRATIONS AND CERTIFICATION

1. Do you have any land with holding rights? 1=Yes, 2=No _____, **If No, then go to Q. 3.**
2. If yes, who do you feel the land you farm belongs to? **(Code a)** _____
3. What do you expect about changes in the size of your land holdings over the next five years?
(Increase=1, Decrease=2, No change=3, Don't know =4) _____
4. What is the main reason for such an expectation? **(Code b)** _____ 1st, 2nd
5. Do you actively do something to maintain or increase your landholdings? 1=Yes, 2=No _____ **If No, go to 7.**
6. If Yes to 5, what type of measures are you taking? **(Code c)** _____ **Go to Q. 8.**
7. If No to 5, why you are not taking any measures? **(Code d)** _____
8. Have you ever been concerned about land related conflicts? 1=Yes, 2=No, _____
9. Do you believe that having your land surveyed and then obtaining a land use certificate will reduce the number of conflicts related to inheriting land to children? 1=Yes, 2=No, 3=Not sure _____
10. Do you believe that having your land surveyed and then obtaining a land use certificate will reduce the incidence of land related conflicts other than inheritance? 1=Yes, 2=No, 3=Not sure _____
11. Have you ever attempted to undertake soil and water conservation works or plant trees on your land? 1=Yes, 2=No _____
12. Do you think that having your land surveyed and then obtaining a land use certificate will encourage you to undertake more soil and water conservation measures on your land? 1=Yes, 2=No, 3=Not sure, _____
13. Do you think that having your land surveyed and then obtaining a land use certificate will provide you incentives to plant more trees on your land? 1=Yes, 2=No, 3=Not sure _____
14. Do you think that having a certificate will encourage soil conservation by the Kebele on common property? 1=Yes, 2=No, 3=Not sure _____
15. Do you think that demarcation of public and community land will reduce problem of encroachment on common property resources? 1=Yes, 2=No, 3=Not sure _____
16. Do you have a certificate to your holdings? 1=Yes, 2=No _____
17. If you do not have a certificate **(if NO to Q.16)**, would you want to obtain a certificate? 1=Yes, 2=No _____

CODE A: Unit Of Measurement (Land)

Hectare.....	1
Timad.....	2
Gemed.....	3
Kert.....	4
Gezim.....	5
Tilm.....	6
Other.....	99
(Specify)_____	

CODE B: Mode Of Acquisition

Village redistribution.....	1
Land reallocation (shigishig) ...	2
Family redistribution.....	3
Inherited from parents.....	4
Inherited from other relatives...	5
Inherited from relatives of spouse.	6
Bought.....	7
Mortgaged.....	8
Bequest/gift to others.....	9
Other.....	10
(Specify)_____	

CODE C: Type Of Certificate

Preliminary registration paper.....	1
1 st stage book of holding/certificate.....	2
2 nd stage book of holding/certificate.....	3
Other.....	
(Specify).....	4

CODE D: Whose Name On The Certificate

Head of the household.....	1
Head's spouse.....	2
Head and spouse jointly.....	3
Head and spouse jointly with children...	4
Other.....	5
(Specify)_____	

CODE E: Type Of Dispute

Exceeding boundaries.....	1
Inheritance.....	2
Land taking: through kebele redistribution and reallocation...	3
Land taking: to build public infrastructure.....	4
Tenant may refuse to return land...	5
Encroachment.....	6
Other.....	7
(Specify)_____	

CODE F: Risk Of Losing Land Due To Redistribution

Much greater now.....	1
Somewhat greater now.....	2
About the same.....	3
Somewhat less now.....	4
Much less now.....	5

CODE G: Primary Use Of Land

Annual crops.....	1
Permanent crops.....	2
Grazing land.....	3
Left fallow.....	4
Other.....	5
(Specify)_____	

CODE H: Land Arrangement

Own land.....	1
Sharecropped out.....	2
Sharecropped in.....	3
Rented out.....	4
Other (specify).....	5

SECTION 2.2: LAND HOLDING AND PRODUCTION: 2000/01 E.C. PRODUCTION CYCLE

SECTION 2.2.1: ALL LAND OWNED AND CULTIVATED: RENTED/SHARECROPPED-OUT AND; RENTED/SHARE CROPPED-IN BY THE HOUSEHOLD

We would like to ask some questions about all the land belonging to this household (including woodland, grazing and fallow land) that has been cultivated by your household during the last full agricultural year (from Megabit 2000 EC to Yekatit 2001 EC), i.e. the Belg 2000 and Meher 2001 seasons.

Give details about the parcels owned and cultivated: rented/sharecropped-out; and rented/sharecropped-in by the household during the 2000 Belg and 2001 Meher seasons. Include also land used exclusively for woodland, livestock grazing or left fallow during the same period. Start from own cultivated land, followed by sharecropped/rented in and finally followed by sharecropped/rented out land.

A parcel is a contiguous piece of land with identical (uniform) tenure and physical characteristics. It is entirely surrounded by land with other tenure and/or physical characteristics or infrastructure e.g. water, a road, forest, etc, not forming part of the holding. A plot is defined as a contiguous piece of land within the parcel on which a specific crop or a crop mixture is grown. A parcel may be made up of one or more plots.

Parcel ID code	Name of parcel	Land arrangement Code (h)	1. Parcel size (farmer's estimation)			2. How did your household acquire this land? Code (b)	3. When was this parcel acquired? Year in E.C.	4. Was this parcel registered at the time of land registration program? 1=Yes 2=No>>9	5. Do you have a legal document or certificate to this parcel? 1=Yes 2=No>>9	6. What legal certificate do you have for this parcel? Code (c)	7. When did you acquire the legal certificate? Year in E.C.	8. Under whose name was the certificate issued? Code (d)	9. Are you concerned that somebody might dispute/claim your ownership/use rights to this parcel? Yes...1 No....2 =>11	10. What is the concern about? Code (e).	11. Do you expect to lose this parcel in the coming 5 years by land redistribution and reallocation? 1=Yes 2=No	12. Do you think that risk of loss of this parcel land redistribution & reallocation today is greater/less than it was years ago? Code (f)
			Amount	Unit Code (a)	Amount in hectares											
01																
02																
03																
04																
05																
06																
07																
08																
09																

* **Example:** If the unit of measurement is Timad and if 1 Timad is equal to a quarter of a hectare then write 0.25 in the conversion factor column irrespective of the size of the parcel.

CODE A: Unit Of Measurement

Hectare.....1
 Timad.....2
 Gemed.....3
 Kert.....4
 Gezim.....5
 Tilm.....6
 Massa.....7
 Kedema.....8
 Kufaro.....9
 Zhir.....10
 Tinto.....11

 Dero.....12
 Kend.....13
 Square zhir...14
 Medeb.....15
 Square meter....16
 Boy.....17
 Other (specify)...99

CODE C: Unit Of Measurement (Weight)

Kilograms.....1
 Quintal.....2
 Chinet.....3
 Dawla.....4
 Kunna.....5
 Medeb.....6
 Kurbets.....7
 Silicha.....8
 Akmada.....9
 Esir.....10
 Bobo.....11
 Baldi.....12
 Packets.....14

CODE (B): Crop/Food Item

Cereals

White teff1
 Mixed teff2
 Black/Red teff.....3
 Wheat4
 Barley (gebs).....5
 Maize6
 Sorghum (mashila)7
 Zengada8
 Oats (aja).....9
 Dagussa10

 Rice, paddy11
 Sinar/gerima12
 Others.....991
 (specify)_____

pulses

Horse beans (bakela)..21
 Cow peas (ater).....22
 Soya beans (akuri ater)..23
 Lentils (misir).....24

 Pieces.....15
 Bars.....16
 Boxes.....17
 Leaves.....18
 Litres.....19
 Kil.....20
 Gan.....21
 Ensira.....22
 Gurzigne.....23
 Tassa.....24
 Kubaya/kelasa.....25
 Birchiko.....26
 Sini.....27

Adengware.....25

 Guaya (vetch).....26
 Haricot beans (boloke)..27
 Chick peas (shimbra)....28
 Gibto.....29
 Others.....992
 (specify)_____

oil-seeds

Nuug.....42
 Sesame (selit).....43
 Sunflower.....44
 Linseed (telba).....45

Groundnuts (lewz)....46
 Others.....993

vegetables

Potatoes.....51
 Onions.....52
 Spinach (quosta).....53
 Garlic (nech shinkurt)..54
 Sweet potatoes.....55
 Tomato.....56

Gembo.....28
 Bottles.....29
 Birr.....30
 Big madaberia.....31
 Small madaberia.....32
 Dirib.....33
 Sahin/lotery.....34
 Mankorkoria.....35
 Plastic bag/festal....36
 Zurba.....37
 Akara.....38
 Small plastic bag(mika)...39
 Kerchat/kemba.....40

Beet root (key sir)....57

 Cabbage (gomen).....58
 Selata (lettuce).....59
 Tikil gommen.....60
 Pumpkin (duba).....61
 Carrot.....62
 Godere.....63
 Others.....994
 (specify)_____

perennial-crops

Gesho.....91

 Coffee.....92
 Chat.....93
 Enset.....94
 Kocho.....95
 Grass.....96
 Eucalyptus97
 Others.....997
 (specify)_____

fruits

Orange.....71
 Banana.....72
 Pawpaw (papaya)...73
 Avocado.....74
 Mango.....75
 Lemon.....76
 Sugarcane.....77
 Pineapple.....78
 Others.....995
 (specify)_____

Spices

Pepper(berbere, karia)..81
 Black pepper(kundo)..82
 Fenugreek (abish)....83
 Ginger (jinjibil)....84
 Black cumin (tikur azmud)...85
 White cumin (nech azmud) ..86
 Others.....996
 (specify)_____

SECTION 2.2.2: 2000/01 PRODCUTION YEAR (I.E. FROM MEGABIT 2000 EC TO YEKATIT 2001 EC)

1. Ask about all crops, including, perennial crops (e.g. fruits) and feeding stuff (fodder leaves, grass, etc.), for the parcels which were cultivated (OWNED AND CULTIVATED + RENTED-/SHARECROPPED-IN AND CULTIVATED) by the household during the 2000/01 production year (i.e. Megabit 2000 EC to Yekatiit 2001 EC) . Start with a parcel, plot and season, the main crop in the plot, and then ask for crops intercropped with the main crop. And move on to the next crop. If the plot is intercropped, the total area should be entered in question 1 for each crop and then the percentage of the plot area under the component crops in question 4. **NOTE THAT PLOT ID STARTS FROM 1 IN EACH PARCEL.**

2.Season 1 represents the main season and Season 2 represents the belg season. Start with Season 1 and work out backwards to the belg of 2000 as Season 2. If land is irrigated and has more than 2 production cycles it would have that number of seasons. Start with the most recent production cycle as Season 1 and continue backwards.

Parcel ID code	Plot ID code	1. Plot size		2.Season 1. Meher of 2001 2. Belg of 2000 3.Other (if irrigated) Code (b)	3. What crops(including perennials) did you grow on this plot during the last production cycle? Code (b)	4. What percentage of the plot area was covered under this crop? % Code (b)	5. Did you use improved seeds on these plots? Yes...1 No...2 If No=>7	6. Description of improved seed used on each plot		7. Description of local seed used on each plot		8. How much [CROP] did you harvest during the last production year			9. If sharecropped-in, how much of the [CROP] harvested during the last production year was given to the landlord?	
		Amount	Unit Code (a)					Amount used	Unit Code (c)	Amount used	Unit Code (c)	Amount	Unit (code c)	Amount in kg	Amount	Unit code (e)

Note: Rented out land should not be included in this page.

SECTION 2.3: AGRICULTURAL INPUTS AND LABOUR ALLOCATION

SECTION 2.3.1: 2000/01 PRODUCTION YEAR LABOR INPUTS:

look at section 2.2.2 above and copy, in the same order, the parcel and plot id codes and then ask some questions about the labor and non-labor inputs during the 2000/01 production year (megabit 2000 to yekaitit 2001). use one line for each plot even if the plot is intercropped. indicate the amount of family, landlord and non-family labor used in person (man) days.

1. What is the average length of a working day (man/person day) for agricultural activities for adults and children in your household? Give the answer in number of hours.

Adult males >=15 years old	Adult females >=15 years old	Children < 15 years old

USE THE AVERAGE LENGTH OF A WORKING DAY GIVEN ABOVE TO CALCULATE THE TOTAL MAN DAYS.

parcel id code	plot id code	Season 1. Meher of 2001 2. Belg of 2000 3. Other (if irrigated)	2. Family labor for land pre-planting activities If None write 0. (in man days)*				3. Landlord labor (if sharecropped or rented-in parcel) for pre-planting activities None = 0. (in man days)		4. Hired labor for pre-planting activities None = 0. (in man days)		5. Debo or other form of labor for pre-planting activities None = 0. (in man days)		6. Family labor for cultivation (plowing) If None write 0. (in man days)		7. Landlord labor (if sharecropped or rented-in parcel) for cultivation (plowing) None = 0. (in man days)		8. Hired labor for cultivation (plowing) None = 0. (in man days)		9. Debo or other labor for cultivation (plowing) None = 0. (in man days)		
			>=15 years old (adult labor)		<15 years old		Male	Female	male	female	Male	Female	>=15 years old (adult labor)		<15 years old		male	female		male	female
			Male	Female	Male	Female					male	female	Male	Female							

*Man (person) days reflect the total amount of time a team spends in any activity, i.e. combining both the size of the team and the number of days spent. For example a team consisting of three people spends three days (full time) hoeing a field. The man (person) days would then be NINE MAN DAYS.

parcel id code	plot id code	Season 1. Meher of 2001 2. Belg of 2000. 3. Other (if irrigated)	10. Family labor for weeding including gulgualo None = 0. (in man days)*				11. Landlord labor (if sharecropped or rented-in parcel) for weeding including gulgualo None = 0. (in man days)		12. Hired labor for weeding including gulgualo None = 0. (in man days)		13. Debo or other form of labor for weeding including gulgualo None = 0. (in man days)		14. Family labor for harvesting None = 0. (in man days)		15. Landlord labor (if sharecropped or rented-in parcel) for harvesting None = 0. (in man days)		16. Hired labor for harvesting None = 0. (in man days)		17. Debo or other form of labor for harvesting None = 0. (in man days)		
			>=15 years old (adult labor)		<15 years old		male	female	male	female	Male	female	>=15 years old (adult labor)		<15 years old	male	female	male	female	male	female
			Male	fema le	Male	Fe ma le								male	female						

parcel id code	plot id code	Seasons 1. Meher of 2001 2. Belg of 2000 3. other (if irrigated)	18. Family labor for preparation of threshing ground, threshing and transporting output None = 0. (in man days)*				19. Landlord labor (if sharecropped or rented-in parcel) for preparation of threshing ground, threshing and transporting output None = 0. (in man days)		20. Hired labor for preparation of threshing ground, threshing and transporting output None = 0. (in man days)		21. Debo or other form of labor for preparation of threshing ground, threshing and transporting output None = 0. (in man days)	
			>=15 years old (adult labor)		<15 years old		Male	Female	Male	Female	Male	Female
			Male	Female	Male	Female						

CODE A: Type Of Fertilizer Used

Urea.....	1
Dap.....	2
Both (mixed).....	3
Other	4
(Specify)_____	

CODE B: Unit Of Measurement (Weight)

Kilograms.....	1	Pieces.....	14	Gembo.....	27	Bunch(bananas).....	40	Kurfo.....	52
Quintal.....	2	Bars.....	15	Bottles.....	28	Melekia/lik.....	41	Kolela.....	53
Chinet.....	3	Boxes.....	16	Birr.....	29	Guchiye.....	42	Kesha.....	54
Dawla.....	4	Leaves.....	17	Big madaberia.....	30	Bekole.....	43	Parts/leg(of meat).....	55
Kunna.....	5	Litres.....	18	Small madaberia.....	31	Enkib.....	44	Yegebeya kimba.....	56
Medeb.....	6	Kil.....	19	Dirib.....	32	Number.....	45	Tilik kimba(yeglgel medfia).....	57
Kurbets.....	7	Gan.....	20	Sahin/lotery.....	33	Gotera.....	46	Bira.....	58
Silicha.....	8	Ensira.....	21	Mankorkoria.....	34	Lemba.....	47	Shekim(yewond).....	59
Akmada.....	9	Gurzigne.....	22	Plastic bag/festal....	35	Shirimeri.....	48	Shekim(yeset).....	60
Esir.....	10	Tassa.....	23	Zurba.....	36	Egir.....	49	Tilik kember.....	63
Bobo.....	11	Kubaya/kelasa.....	24	Akara.....	37	Wesla.....	50	Bags.....	64
Baldi.....	12	Birchiko.....	25	Small plastic bag(mika)....	38	Mesferia.....	51	Other.....	61
Packets.....	13	Sini.....	26	Kerchat/kemba.....	39			(specify)_____	

CONTINUED...

Parcel ID code	Plot ID code	21.1. Season 1. Meher of 2001 2. Belg of 2000 3. other (if irrigated)	22. Did you apply modern fertilizers to this plot during the last production year? 1. Yes 2. No=>25	23. Give detailed use of fertilizer on each plot		24. Percentage share of fertilizer paid/contributed by the landlord (if sharecropped or rented-in) %	25. Did you apply manure to this plot during the last production year 1. Yes 2. No=>28	26. Total amount of manure used in kg	27. Percentage share of manure paid/contributed by the landlord (if sharecropped or rented-in) %	28. Did you use any pesticides, herbicides or fungicides to this plot during the last production year 1. Yes 2. No=>31	29. Total amount used in kg or liter	30. Percentage share of pesticides, etc. paid/contributed by the landlord (if sharecropped or rented-in) %	31. Number of oxen days (in pair) used in the plot2 If different from pair oxen, specify the number days	32. Percent share of labor paid/contributed by the landlord (if sharecropped or rented-in) %	
				Type Code (a)	Total amount used in kg										

2 The calculation is similar to that of man days. For example if a plot is operated using 2 pair of oxen for 5 days and again operated for 3 more days using a pair of oxen , oxn days will then be calculated as= 2*5+3=13 oxen days.

CODE A: Tree/bush

Kulkual..... 1
Tid (yeferege)..... 2
Tid (yabesha)..... 3
Wanza..... 4
Woirra..... 5
Endode 6
Agam..... 7
Orange..... 8
Banana..... 9
Papaya 10
Avocado 11
Mango 12
Lemon 13
Gesho 14
Coffee..... 15
Chat 16
Enset..... 17
Eucalyptus..... 18
Other 19
(Specify)_____

Code B: Source of Seedlings

Own 1
Purchase..... 2
Development agents..... 3
NGOs..... 4
Other (specify)_____ 5

CODE C: Purpose of tree planting

For food 1
For fuel..... 2
For fodder..... 3
For construction material 4
For shade 5
For windbreak 6
For religious purpose..... 7
For medicinal value..... 8
For live fence 9
Other 10
(Specify)_____

SECTION 2.4: TREES, PERMANENT CROPS AND SOIL AND WATER CONSERVATION

COPY ALL THE PARCEL CODES AND NAMES FROM SECTION 2.3.1 IN THE SAME ORDER FOR WHICH THERE IS INFORMATION. HERE WE USE THE WORD TREES TO INCLUDE PERMANENT CROPS.

Parcel ID code	Name of parcel	1. Do you have trees and bushes on this parcel? 1=Yes 2=No>>8	2. How many trees and bushes does this parcel have?	3. How many different tree and bush types are there on this parcel?	4. Indicate the type and number of the dominant tree or bush?		5. Indicate the type and number of the second most dominant tree or bush?		6. Indicate the type and number of the third most dominant tree or bush?		7. Indicate the type and number of the fourth most dominant tree or bush?		8. Did you plant trees and bushes during the past 5 years on this parcel? 1=Yes 2=No ..go to next parcel	9. How many trees and bushes did you plant during the past 5 years? (in number)
					Tree or bush type Code (a)	Number	Tree or bush type Code (a)	Number	Tree or bush type Code (a)	Number	Tree or bush type Code (a)	Number		

- 10. How did you obtain the seedlings to plant these trees during the past 5 years? **Code B** _____
- 11. What is the purpose of planting each of the above four most important dominant trees? **CODE C** (Multiple answers are possible)
 - 1st dominant tree/bush: 1st purpose....., 2nd purpose.....3rd purpose
 - 2nd dominant tree/bush: 1st purpose....., 2nd purpose.....3rd purpose
 - 3rd dominant tree/bush: 1st purpose....., 2nd purpose.....3rd purpose
 - 4th dominant tree/bush: 1st purpose....., 2nd purpose.....3rd purpose

Note: For trees and bushes planted around homestead (for example for fencing purpose), the parcel code is 0.

CODE A: Type Of Soil Conservation

Local stone bund terracing.....1
Modern stone bund terracing.....2
Local soil bund terracing.....3
Modern soil bund terracing.....4
Local stone and soil terracing.....5
Modern stone and soil terracing...6
Fanajo.....7
Grass planting.....8
Cut off drain.....9
Check dam construction.....10
River diversion.....11
Other.....12
specify_____

CODE B: Reason For Adoption of SWC

To increase soil fertility 1
To reduce risk of flood..... 2
To conserve moisture 3
Forced to adopt by DA and PA officials 4
1, 2, and 3 5
Other 6
(specify)_____

Continued

Parcel ID code	Name of parcel	Plot no.	12. What is the distance of the parcel from homestead in walking minutes? MINUTES	13. Is this parcel irrigated? Yes...1 No....2	14. Does this parcel have any existing soil and water conservation (SWC) structures? 1. Yes 2. No=>25	15. Type of the three main soil conservation structures on this parcel Code (a)			16. Size of the main existing soil and water conservation structures in meters			17. Why you adopt SWC? Code (b)	18. When did the household start to adopt each of the SWC measure for the first time? (in Ethiopian Calendar)		
						1 ST	2 ND	3 RD	Length	Width	Height		1 st	2 nd	3 rd

CODE A: Reason For Not Using Soil Conservation

- Lack of awareness.....1
- Shortage of labor.....2
- Shortage of land.....3
- Lack of capital.....4
- No need.....5
- Loss of land.....6
- Other.....7
- (specify)_____

Parcel ID code	Name of Parcel	20. Labor input for new (additional) soil conservation during the past 12 months		21. If the parcel was sharecropped or rented in , what was the share of labor input contributed by the landlord in percentages? IF NONE, WRITE 0.	22. Did you make maintenance during the past 12 months? 1=Yes 2=No=>25	23. Labor input for soil conservation maintenance during the past 12 months		24. If the parcel was sharecropped or rented in , what was the share of labor input contributed by the landlord in percentages? IF NONE, WRITE 0.	25. Number of contacts with extension worker/development agents per year, IF NONE, WRITE 0	26. Did you participate in any type of training related to SWC before you adopt? Yes.....1 No.....2
		No. of person days worked	Average no. of hours worked per day			No. of person days worked	Average no. of hours worked per day			

28. Ask the following questions if the household was using the SWC but no longer work on it.
 28.1. When did the household stop doing each of the SWC? 1st _____, 2nd _____, 3rd _____
 28.2. Why did the household stop the SWC?(Code A) 1st _____ 2nd _____ 3rd _____

CODE A: Energy Type

Wood1
Dung.....2
Charcoal.....3
Branches of tree.....4
Leaf.....5
Crop residues.....6

Electricity7
Other.....8
(specify)_____

CODE B: Type Of Fuel Use

Cooking-----1
Lighting-----2
Heating-----3
Other (please specify)-----4

CODE C: Unit (Weight)

Kilograms.....1
Quintal.....2
Chinet.....3
Dawla.....4
Kunna.....5
Medeb.....6
Kurbets.....7
Silicha.....8
Akmada.....9
Esir.....10
Bobo.....11
Baldi.....12
Packet13
Pieces.....14
Bars.....15
Boxes.....16
Leaves.....17
Litres.....18
Kil.....19
Gan.....20
Ensira.....21
Gurzigne.....22
Tassa.....23
Kubaya/kelasa.....24
Birchiko.....25
Sini.....26
Gembo.....27
Bottles.....28
Birr.....29
Big madaberia.....30
Small madaberia.....31
Dirib.....32

Sahin/lotery.....33
Mankorkoria.....34
Plastic bag/festal....35
Zurba.....36
Akara.....37
Small plastic bag(mika).....38
Kerchat/kemba.....39
Bunch(bananas).....40
Melekia/lik.....41
Guchiye.....42
Bekole.....43
Enkib.....44

Number.....45
Gotera.....46
Lemba.....47
Shirimeri.....48
Egir.....49
Wesla.....50
Mesferia.....51
Kurfo.....52
Kolela.....53
Kesha.....54
Parts/leg(of meat)....55
Yegebeya kimba.....56
Tilik kimba(yeglgel medfia).....57
Bira.....58
Shekim(yewond).....59
Shekim(yeset).....60
Tilik kemba.....95
Bags.....96
Other.....61
(specify)_____)

SECTION 3 : ENERGY, COOKING AND CONSUMPTION HABITS

THE QUESTIONS IN THIS SECTION SHOULD BE ADDRESSED TO A FEMALE MEMBER OF THE HOUSEHOLD.

SECTION 3.1. ENERGY CONSUMPTION PER WEEK IN KEREMT AND BEGA

Note: If the household is not consuming a particular type of energy at least per week, then ask their consumption per month and divide it by four to get the average consumption per week.

1. Energy type (code a)	2. For what purpose did you use it?		3. Keremt season		4. Bega season	
	Use 1 (code b)	Use 2 (code b)	Quantity used	unit (code c)	Quantity used	unit (code c)

CODE A: Energy Type

Wood	1
Dung.....	2
Charcoal.....	3
Branches of tree.....	4
Leaf.....	5
Crop residues.....	6
Kerosene.....	7
Other.....	8
(specify)_____	

CODE B: Sources Of Fuel

My own property.....	1
Natural forest.....	2
Community forest.....	3
Government/state forest.....	4
Bought from market.....	5
Property of other individuals.....	6
Other (specify).....	7

CODE C: Season

Kiremt.....	1
Bega.....	2

CODE D: Unit (Weight)

Kilograms.....	1
Quintal.....	2
Chinet.....	3
Dawla.....	4
Kunna.....	5
Medeb.....	6
Kurbets.....	7
Silicha.....	8
Akmada.....	9
Esir.....	10
Bobo.....	11
Baldi.....	12
Packet.....	14
Pieces.....	15
Bars.....	16
Boxes.....	17
Leaves.....	18
Litres.....	19
Kil.....	20
Gan.....	21
Ensira.....	22
Gurzigne.....	23
Tassa.....	24
Kubaya/kelasa.....	25
Birchiko.....	26
Sini.....	27
Gembo.....	28
Bottles.....	29
Birr.....	30
Big madaberia.....	31
Small madaberia.....	32
Dirib.....	33
Sahin/lotery.....	34
Mankorkoria.....	35
Plastic bag/festal.....	36
Zurba.....	37
Akara.....	38
Small plastic bag(mika).....	39
Kerchat/kemba.....	40
Bunch(bananas).....	41
Melekia/lik.....	42
Guchiye.....	43
Bekole.....	44
Enkib.....	45
Number.....	46
Gotera.....	47
Lemba.....	48
Shirimeri.....	49
Egir.....	50
Wesla.....	51
Mesferia.....	52
Kurfo.....	53
Kolela.....	54
Kesha.....	55
Parts/leg(of meat).....	56
Yegebeya kimba.....	57
Tilik kimba(yeglgel medfia).....	58
Bira.....	59
Shekim(yewond).....	60
Shekim(yeset).....	61
Tilik kemba.....	95
Bags.....	96
Other.....	13
(specify)_____	

SECTION 3.2. ENERGY COLLECTION, PURCHASES AND SALES

(Ask for all fuel transactions: Who collects which fuels from where, incl. market? Use a new row as soon as something differs e.g. source, season or quantity per trip. If many members go to collect report them on separate rows. If they go together, report the quantity per person on separate rows so that the sum of all the rows become the total fuel collection/purchase/sale for the household.). Please complete the table for one fuel type and then go to the next one).

SECTION 3.2.1 Biomass Collection, Purchase And Sales Per Week

Note to the enumerator: Energy sources such kerosene and electricity should not be included in the following table

1. ID CODE OF MEMBER	2. Fuel type Code (a)	3. Source code (b)	4. Season Code (c)	5. Trips/week	6. Quantity per trip	7. Quantity unit Code (D)	8. Travel time (both ways in minutes)	9. Collection time (minutes)	10. Total quantity sold last year		
									Total Amount	Unit Code (D)	Price/Unit in birr

Note to the enumerator: Please use the next sheet if this table is not enough.

1. ID CODE OF MEMBER	2. Fuel type Code (a)	3. Source code (b)	4. Season Code (c)	5. Trips/ week	6. Quantity per trip	7. Quantity unit Code (D)	8. Travel time (both ways in Minutes)	9. Collection time (in minutes)	10. Total quantity sold last year		
									Total Amount	Unit Code (D)	Price/Un it in birr

CODE A: Coping Mechanisms

- Spend more time for collection-----1
- Reduce consumption -----2
- Shift to other traditional sources like residues and dung---3
- Substitution from private trees-----4
- Buy from market-----5
- Change in cooking habits-----6
- Use of improved stoves-----7
- Other8
(specify)_____

CODE B: Availability of The Resource

- Excess supply-----1
- Enough-----2
- Shortage-----3
- The resource is not available and satisfy their demand from market-----4

CODE C: Availability Of The Resource Five Years Ago

- Was better-----1
- The same-----2
- Worse-----3

11. What are the coping mechanisms of the household in case of shortage of resources?

Resource	11.1. Coping mechanisms (Code A) Rank them			12. How available is the supply of the resource in Satisfying your demand? (Code B)	13. What about 5 years ago (Code C)
	1 st method	2 nd	3 rd		
1.Fuel wood					
2.Dung					
3.Charcoal					
4.Other fuels like crop residues					
5.Branches and leaves					
6.Fodder					
7.Timber					
8.Water					
9.Other(Specify)					

CODE A: Types Of Stoves

Circular stove made from mud.....	1
Ethiopian metal stove (yekesel)	2
Clay stove ('burayu stove').....	3
'Lakech improved charcoal stove.....	4
Mirt injera stove.....	5
kerosene stove.....	6
Other (specify).....	7

Code B: Reasons For Not Using Improved Stoves

Unavailability.....	1
Do not know its use.....	2
Expensive.....	3
Not durable	4
Not suitable for the kind of fuel.....	5
The stove is being packaged with other essential services.....	6
Prefer the traditional stove.....	7
Other	8
(please specify)_____	

Code C: Health Benefits

Improved eye Health.....	1
Improved respiratory and Pulmonary Health.....	2
Reduced Drudgery.....	3
Improved ski health.....	4
Protection from heat and smoke.....	5
No fire Hazard.....	6
Cleaner injera.....	7
Improved over all health.....	8
Other.....	9
Specify_____	

SECTION 3.3 COOKING AND CONSUMPTION HABITS

1. Do you use improved cooking stoves? 1) Yes 2) No; _____, If **No**, then go to **question 8**.
2. What type(s) of improved stove do you use? (Multiple answers are possible) **Code (a)**
 1) _____ 2) _____ 3) _____ 4) _____
3. When did the household start to use the stove (*Lakech* _____? *Mirt* _____? *Traditional closed stove* _____)
4. Which of the following promotional tools/method were important for the adoption of improved cooking stoves?(rank them)
 a) Radio _____ (b) Cooking demonstration _____ (c) TV programs _____ (d) posters _____ (e)Other (specify) _____
5. Why do you use each of the following improved stoves? Rank them, Write 1 for the most important reason.

Type of improved stoves	1.Convenienc e/Easy to use	2.Smoke removal	3.Very cheap	4.Save time for cooking	5.Uses less fuel wood	6.Safety/fire Hazard	7.Others(please specify)
<i>Lakech</i>							
<i>Mirt</i>							
<i>Cultural closed Stove</i>							
Other (specify)							

6. What is the total Number of hours saved **per week** due to *mirt* injera baking stove in fuel collecting households? _____hrs
7. What kind of health benefits do you get from the use of improved cooking stoves? **code C** _____.
8. Why have you chosen not to use each of the following improved stove? Rank them in decreasing order of importance. **Code B**
 (i) *Lakech* : 1st _____, 2nd _____, 3rd _____ (ii) *Mirt*: 1st _____, 2nd _____, 3rd _____
 (iii) *Cultural closed Stove*: 1st _____, 2nd _____, 3rd _____
 (iv) other (specify) 1st _____, 2nd _____, 3rd _____
9. Ask the following question if the household has been using the stoves but not using currently.
 (a) When did the household stop using the technology (improved stove)?
 1. *Lakech* _____? 2. *Mirt* _____ 3. *Cultural closed stove* _____ 4. Other _____
 (b) For how long was the household using the improved stoves (IN YEARS)?
 (1. *Lakech* _____? 2. *Mirt* _____ 3. *Cultural closed stove* _____ 4. Other (specify) _____)
10. How many meals PER DAY did household members over ten years old eat in the last month? _____ How about members under age ten? _____
11. How many times do you (on average) cook food (other than *injera* /*Kocho*) PER DAY? _____

**CODE A: Reason For Change In
Cooking And Consumption Habits**

Scarcity of fuel1
 Food shortage.....2
 Change in no of household members.....3
 Easy availability of fuel4
 Easy availability of food.....5
 Other (specify).....6

CODE B: Energy Type

Wood1
 Dung.....2
 Charcoal.....3
 Branches of tree.....4
 Leaves.....5
 Crop residues.....6
 Kerosene, diesel or benzene.....7
 Electricity.....8
 Other (specify).....9

CODE C

Very close to the stove.....1
 Far from the stove but inside.....2
 Outside the kitchen.....3
 While children are sleeping.....4
 Carrying while cooking.....5
 Other6
 (Specify)_____

**CODE D: Reason For Energy
Preference**

It is cheap.....1
 Easily available.....2
 It is well known.....3
 We don't have other choice.....4
 Its effectiveness.....5
 Availability.....6
 Comfortable/convenient.....7
 Clean.....8

Other (specify).....9

**CODE E: Reason For Using Dung
& Fuelwood At The Same Time**

To save energy.....1
 We don't have enough wood.-----2
 We don't have enough dung.....3
 It is a culture to do so.....4

CODE F: Other uses of dung

As a fertilizer1
 Livestock feed.....2
 Source of income.....3
 For construction, roof, wall or floor.....4
 Other (specify)_____5

CODE G: UNIT(WEIGHT)

Kilograms.....1
 Quintal.....2
 Chinnet.....3
 Dawla.....4
 Kunna.....5
 Medeb.....6
 Kurbets.....7
 Silicha.....8
 Akmada.....9
 Esir.....10
 Bob.....11
 Baldi.....12
 Packets.....13
 Pieces.....14
 Bars.....15
 Boxes.....16
 Leaves.....17
 Litres.....18
 Kil.....19
 Gan.....20
 Ensira.....21
 Gurzigne.....22
 Tassa.....23
 Kubaya/kelasa.....24
 Birchiko.....25

Sini.....26
 Gembo.....27
 Bottles.....28
 Birr.....29
 Big Madaberia.....30
 Small madaberia.....31
 Dirib.....32
 Sahin/lotery.....33
 Mankorkoria.....34
 Plastic bag/festal.....35
 Zurba.....36
 Akara.....37
 Small plastic bag(mika).....38
 Kerchat/kemba.....39
 Bunch(bananas).....40
 Melekia/lik.....41
 Guchiye.....42
 Bekole.....43
 Enkib.....44
 Number.....45
 Gotera.....46
 Lemba.....47
 Shirimeri.....48
 Egir.....49
 Wesla.....50
 Mesferia.....51
 Kurfo.....52
 Kolela.....53
 Kesha.....54
 Parts/leg(of meat).....55
 Yegebeya kimba.....56
 Tilik kimba(yegl gel medfia).....57
 Bira.....58
 Shekim(yewond).....59
 Shekim(yeset).....60
 Tilik kemba.....63
 Bags.....64
 Other.....13
 (specify)_____

12. How many times do you bake *injera/prepare Kocho* PER WEEK on average? Injera _____, Kocho _____

13. Was there a change in the frequency of meals eaten or cooking activity in the household? 1. Yes 2. No, _____

13.1 If the answer to 13 is yes, please indicate the changes in frequency of meals and cooking.

	Cooking (per day)	Baking injera/ preparing Kocho (per week)		Meals per day
		<i>Injera</i>	<i>Kocho</i>	
Year				
Frequency before change				
Reason (Code A)				

13.2 Time used for different home activities (in minutes)

Household member ID code	Time used for cooking food stuff other than injera/kocho per day (in minutes)	Time spent for baking injera/preparing kocho per week (in minutes)	Where do keep children (under 5s while cooking (CODE C))	Where do you keep children (Whose age is between 5-10) while cooking (CODE C)

14. What are the two most preferred energy types for cooking by the household in descending order of importance? **Code(b)** 1st most preferred _____, 2nd most preferred _____

15. What are the reasons for choosing these energy types? (**Code D**), Reason (s) for the most preferred _____

Reason (s) for the second most preferred _____

16. Do you use dung and fuel wood at the same time for cooking? Yes..... 1; No 2, If yes why? **Code (E)** _____

17. If you had more fuel wood would you use more or less dung as fuel? Less....1; More.....2; No change3; _____

18. If you would use less dung as fuel, what would you use it for? **Code (F)** _____

19. Do you use dung and/or crop residues for other purposes (other than energy)? Yes ... 1, No ... 2.

If YES, give details. Quantities should be given for a one-year period (on average).

	Use # 1(F)	Quantity	Unit (G)	Use # 2 (F)	Quantity	Unit (G)	Use # 3 (F)	Quantity	Unit (G)
Dung									
Crop residues									

SECTION 4: FORESTRY PROGRAMS, INSTITUTIONS AND NON-FUEL FOREST PRODUCTS

SECTION 4.1. FORESTRY PROGRAMS AND VALUATION:

SECTION 4.1.1. VALUATION

SECTION 4.1.1.1: CVM Survey

Suppose that your “Kebele ” development committee (KDC) proposes to establish new community forest plantation (“Community”Woodlot) on your village (“got”) communal grazing land. Also suppose that this plan is endorsed by the Kebele administration and district office of agriculture.

The community forest plantation offers you the following benefits:

You get fuel wood and it reduces your household time required to collect fuel wood from distant woodlands and/or other forests. The time saved can be used for agricultural activities, marketing or social activities. It also allows you to use crop-residue and animal dung for your farm soil management instead of using them for fuel.. You can also use leaves of the plantation for medicinal purposes. When harvesting age of the plantation reaches, you can share timber products of the plantation for construction material and agricultural implement. You can either use these products for yourself or sell them to generate cash income depending on your need. But, note that the communal grazing land used for the forest plantation is not going to be used for grazing any longer like it is being used now for the long years to come.

The proposed woodlot has the following characteristics:

- species mix: Eucalyptus
- harvest quota: 30 load per year
- type of place for establishment : grazing land

Also note that the government doesn’t have enough funds to finance the project and the establishment can be possible only if the “got” community contributes money for the establishment and management costs of the forestry..

The contribution is required from the community for:

- establishing community nursery or purchasing seedlings
- site preparation; clearing the site, digging hole and fencing
- employing guards to protect against vandals

It is also important to note that the control and the management of the money contributed are entrusted to the development committee and the committee cannot divert this fund to any other purpose by law. In addition, Kebele council and district ministry of agriculture office will strictly monitor management of the contributed money. Note that the money will be collected by the committee after main harvest each year during each year.

The contribution is paid from each household in the community annually for five consecutive years.

Code A: REASONS FOR NOT CONTRIBUTING

I have private woodlot.....1
I am already contributing to other community forestry program2
The project squeezes our communal grazing land3
I don, t believe that GDC can run the project4
I have good access to state / natural forest for wood product collection5
It is governments duty to establish and implement the project.....6
Other reasons(specify).....7

When we talk to other people in your village, we have found people who vote for the project and those who vote against it. Both of them have good reasons to vote that way. Those who vote for the project say that;

- having increased forest products is worth a cost
- they are tired of walking over long distance to fetch fire wood and other forest products
- they want to reduce their farm fertility loss by applying more manure(dung) and crop residue instead of using them for fuel
- Timber products for construction and farm implements are getting ever scarce

Those who vote against the project say that;

- community forest plantation reduces grazing areas of their animals
- they would rather save money and spend on other things
- They own private woodlots and alternative community forest
- They cannot afford time to attend series of meetings to take care of the community forest plantation.

We would now like you to weigh the benefits and cost associated with the woodlot establishment described above and answers the following questions: We would also like you to note the following carefully before answering questions. In this kind of interview, people tend to answer questions in a way they think an interviewer want it rather than in a way they really think. Please consider carefully if you were to make the following decisions.

1. Before I go on, do you have any questions about the plan to establish a community forest plantation?

- Yes.....1,
- No...2(go to 2)

1.1 What would you like to know?

If the respondent asks about costs, tick here and say: “ we will come to that in a moment.”

2. Do you want to contribute for the community forest?

- Yes.....1, > go to 3
- No.....2, _____

2.1 If no why not? Use **code (A)**> go to section 4.1.1.2

Code A: REASON FORPAYING LESS THAN STARTING PRICE (BEING INCONSISTENT)

I felt that it is obligatory to contribute1
I wanted to please the interviewer.....2
I am poor and hence cannot afford to pay the initial (starting) price.....3
Other reasons4

3. As we said earlier the cost required for the establishment of the plantation is not known in advance. However, if you are a decision maker in your household and asked to contribute Birr _____ annually for five consecutive years, would your household be willing to contribute the money?

- 1. Yes → Go to 4
- 2. No → Go to 5

To enumerators: ask the following question by increasing the price in Q.3 by 50%

4. What if you are asked instead Birr _____ annually for five consecutive years, would your household be willing to contribute the money?

To enumerators: ask the following question by decreasing the price in Q.3 by 50%

- 1. Yes 2. No

5. What if you are asked instead Birr _____ annually for five consecutive years, would your household be willing to contribute the money?

- 1. Yes 2. No

6. What would be the maximum annual premium that your household would be willing to pay? _____ Birr

6.1 To enumerators: - **If the answer is yes to questions 4 and or 5 the amount and the maximum annual premium in 6 is less than the amount asked in 4 and or 5, probe the respondent as follows;**

Why is it that the maximum annual premium that your household would be willing to pay is less than the amount you initially agreed to contribute
(Use **code (A)**)

SECTION 4.1.1.2. Choice Experiment Survey

We would like you to think about a situation where a “Kebele ”Development Committee (KDC) offers you different kind of community forestry for establishment and that you can only choose one of them. Suppose also that KDC is responsible for the management of the chosen community forestry project. Community forestry vary owing to their inherent characteristics such as the cost of establishment and management, type of species to grow, yield, the time they save for other activities and how they are managed.. For example; the cost of establishment may vary from one type to other and the same is true with the manner in which the management decision are taken.

Now imagine KDC would like each households of your village to choose from two proposed community forestry projects. In effect, suppose that you are asked to choose from the following two community forestry projects. In connection to this, you will make four choices, but you should see each of the choice as separate from others. We ask you many questions because we want to see how you would choose in different situations. We will show you cards describing each type of community forestry that you can choose between. We would like to know if you choose one of the two types of community forest or you prefer none of them, but instead opt for the type of forestry circumstance you have currently. When you make your choices, you have to keep in mind that your household income and expenses and that in future you may be asked about other environmental projects that cost money.

We would also like you to note the following carefully. In this kind of interview, people tend to answer questions in a way they think an interviewer want it rather than in a way they really think. Please consider carefully if you were to make these decisions. Please feel free to state your preference as there is no wrong or right answer; it is all a matter of your own preferences. Take into consideration that other people would probably do the same as you.

Assuming that the following community forestry are the only community forestry scheme available, which one do you prefer the most?

Choice situation 1

Choice set 1.1

Forest Attributes:	Alternative 1 (Current state)	Alternative 2	Alternative 3
Forest type	Same as today	Multi-purpose forest	Area closure
Harvest Quota	Same as today	30 load per year	30 load per year
Type of Place	Same as today	Grazing land	Degraded land
Total cost per household	Zero	Birr 48	Birr 48
Indicate the option you prefer most (Tick one)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Choice set 1.2

Forest Attributes:	Alternative 1 (Current state)	Alternative 2	Alternative 3
Forest type	Same as today	Area closure	Multi-purpose forest
Harvest Quota	Same as today	15 load	30 load
Type of Place	Same as today	Degraded land	Grazing land
Total cost per household	Zero	Birr 30	Birr 30
Indicate the option you prefer most (Tick one)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Choice set 1.3

Forest Attributes:	Alternative 1 (Current state)	Alternative 2	Alternative 3
Forest type	Same as today	Area closure	Eucalyptus
Harvest Quota	Same as today	30 load	15 load
Type of Place	Same as today	Degraded land	Degraded land
Total cost per household	Zero	Birr 62	Birr 30
Indicate the option you prefer most (Tick one)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Choice set 1.4

Forest Attributes:	Alternative 1 (Current state)	Alternative 2	Alternative 3
Forest type	Same as today	Eucalyptus forest	Mixed Eucalyptus and Multi-tree forest
Harvest Quota	Same as today	30 load per year	15 load per year
Type of Place	Same as today	Grazing land	Grazing land
Total cost per household	Zero	Birr 30	Birr 48
Indicate the option you prefer most (Tick one)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Choice situation 2.

Choice set 2.1

Forest Attributes:	Alternative 1 (Current state)	Alternative 2	Alternative 3
Forest type	Same as today	Eucalyptus forest	Multi-purpose tree forest
Harvest Quota	Same as today	30 load	15 load
Type of Place	Same as to day	Degraded land	Grazing land
Total cost per household	Zero	Birr 62	Birr 30
Indicate the option you prefer most (Tick one)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Choice set 2.2

Forest Attributes:	Alternative 1 (Current state)	Alternative 2	Alternative 3
Forest type	Same as today	Area enclosure	Mixed Eucalyptus and Multi-purpose tree forest
Harvest Quota	Same as today	15 load	30 load
Type of Place	Same as to day	Degraded land	Grazing land
Total cost per household	Zero	Birr 62	Birr 62
Indicate the option you prefer the most (Tick one)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Choice set 2.3

Forest Attributes:	Alternative 1 (Current state)	Alternative 2	Alternative 3
Type of forest	Same as today	Multipurpose tree forest	Eucalyptus forest
Harvest Quota	Same as today	15 load	15 load
Type of Place	Same as to day	Degraded land	Grazing land
Total cost per household	Zero	Birr 48	Birr 62
Indicate the option you prefer the most (Tick one)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Choice set 2.4

Forest Attributes:	Alternative 1 (Current state)	Alternative 2	Alternative 3
Forest type	Same as today	Mixed multi-purpose and Eucalyptus forest	Area closure
Harvest Quota	Same as today	30 load	15 load
Type of Place	Same as to day	Degraded land	Degraded land
Total cost per household	Zero	Birr 30	Birr 48
Indicate the option you prefer the most (Tick one)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Choice situation 3

Choice set 3.1

Forest Attributes:	Alternative 1 (Current state)	Alternative 2	Alternative 3
Forest type	Same as today	Mixed Eucalyptus and Multi-purpose tree forest	Eucalyptus forest
Harvest Quota	Same as today	30 load	30 load
Type of Place	Same as today	Grazing land	Grazing land
Total cost per household	Zero	Birr 48	Birr 48
Indicate the option you prefer the most (Tick one)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Choice set 3.2

Forest Attributes:	Alternative 1 (Current state)	Alternative 2	Alternative 3
Forest type	Same as today	Eucalyptus forest	Multi-purpose
Harvest Quota	Same as today	15 load	15 load
Type of Place	Same as today	Degraded land	Grazing land
Total cost per household	Zero	Birr 48	Birr 62
Indicate the option you prefer the most (Tick one)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Choice set 3.3

Forest Attributes:	Alternative 1 (Current state)	Alternative 2	Alternative 3
Forest type	Same as today	Multi-purpose tree forest	Mixed Eucalyptus and Multi-tree purpose forest
Harvest Quota	Same as today	30 load	15 load
Type of Place	Same as today	Degraded land	Grazing land
Total cost per household	Zero	Birr 62	Birr 62
Indicate the option you prefer the most (Tick one)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Choice set 3.4

Forest Attributes:	Alternative 1 (Current state)	Alternative 2	Alternative 3
Forest type	Same as today	Area closure forest	Mixed Multi-purpose & Eucalyptus forest
Harvest Quota	Same as today	30 load	15 load
Type of Place	Same as today	Grazing land	Degraded land
Total cost per household	Zero	Birr 30	Birr 30
Indicate the option you prefer most (Tick one)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



CODE A: Types Of Community Forestry

Planted community forestry	1
Participatory forest management (PFM).....	2
Area enclosure	3

CODE B: Types of Other Community Programs

Construction of raod-----	1
Maintenance of community water supply-----	2
Construction of SWC structure-----	3
Other group activities for agricultural operation-----	4
other (specify)-----	5

CODE C: Highest Grade Completed

1 st grade incomplete (kindergarten)-----	0
1 st grade-----	1
2 nd grade-----	2
3 rd grade-----	3
4 th grade-----	4
5 th grade-----	5
6 th grade-----	6
7 th grade-----	7
8 th grade-----	8
9 th grade-----	9
10 th grade -----	10
11 th grade (Prep 1)-----	11
12 th grade (Prep 2)-----	12
College incomplete (non university)-----	13
College complete (non university)-----	14
University incomplete -----	15
University complete-----	16
Religious school(church, Muslim, etc)-----	17
other (specify)-----	18

CODE D: Unit Of Measurement (Land)

Hectare-----	1
Timad-----	2
Gemed-----	3
Kert-----	4
Gezim-----	5
Tilm-----	6
Massa-----	7

Kedama-----	8
Kufaro-----	9
Zhir-----	10
Tinto-----	11
Dero-----	12
Kend-----	13
Square zhir-----	14
Medeb-----	15
square meter-----	16
Boy-----	17
Other (specify)-----	18

CODE E: Type Of Employment And Activities

Farm worker (for pay).....	1
Traditional labour sharing (farm work).....	2
Professional (teacher, government worker, administration, health worker, clerical).....	3
laborer (skilled i.e. builder, thatcher).....	4
Salesman.....	5
Soldier.....	6
driver/mechanic.....	7
Unskilled worker.....	8
Domestic servant (yebet agelgaynet).....	9
Food-for-work.....	10
Weaving/spinning	11
Milling.....	12
Handicraft, incl. pottery.....	13
Selling fuelwood (firewood,charcoal, leaves, etc.).....	14
Selling dung cakes.....	15
Trade in livestock /livestock products.....	16
Trade in grain and others(incl. honey, papper, etc.)	17
Traditional healer.....	18
Religious teacher.....	19
Transport (by pack animals).....	20
Selling beverages (tella, tej).....	21
Other (specify).....	22

SECTION 4.1.2. PARTICIPATION IN COMMUNITY FORESTRY PROGRAMS

We would like to ask you about some of backgrounds of your household and your farm that prevailed immediately before the establishment _____ community forestry program/ in your village.

Community forestry program Code .A	1.How far is(-- --) from your place (in minutes)	2. Has any member of your hh ever participated in [.....] Yes---1 No----2	3. Was any of your hh member participating in other community programs by then? specify Yes----1 No-----2	4. if the answer to question 3 is yes then specify the type of programs (Code B)	5.How old was hh head by then?	6. If your hh don't participate in the program do you partake its benefits in any way?	7.What was HH head education level by then? (Code C)	8.How many was female labor force by then?	9.How many male labor force by then?	10. How much was Land holding size by then ?		11.How many heads of cattle did you have by then?
										Amount	Unit (Code D)	

12. How many oxen did your hh have by then?	13. Was any hh member participating in off-farm Activity by then? Yes----1 No-----2	14. If The answer to question no.13 is yes then specify the type of activities(Code E)	15.What was your house distance to extension service office by then?(minutes)	16. Did you have private woodlot by then? Yes---1 No----2	17Was there any alterantive forest by then Yes...1 No....2	18. .if yes to Q17, how far was the nearest one to your residence by then? (in kms)

CODE A: Type of Agroforestry Technologies

Alley cropping.....	1
Fodder block.....	2
Improved fallow.....	3
Multi-purpose trees on farm.....	4
Leguminous tree on farm boundary.....	5

CODE B: Source Of Information

Ministry of agricultures extension service.....	1
NGO extension services.....	2
Fellow farmers experience in the village.....	3
Own experience.....	4
Other (specify).....	5

CODE C: Highest Grade Completed

1 st grade incomplete (kindergarten).....	0
1 st grade.....	1
2 nd grade.....	2
3 rd grade.....	3
4 th grade.....	4
5 th grade.....	5
6 th grade.....	6
7 th grade.....	7
8 th grade.....	8
9 th grade.....	9
10 th grade.....	10
11 th grade (Prep 1).....	11
12 th grade (Prep 2).....	12
College incomplete (non university).....	13
College complete (non university).....	14
University incomplete.....	15
University complete.....	16
Religious school(church, Muslim, etc).....	17
other (specify).....	18

CODE D Reasons For Adopting Agroforestry Technologies

Improve land fertility.....	1
Prevent gully formation.....	2
Stop soil erosion.....	3
Land shortage.....	4
Improve soil moisture.....	5
Extension training impact.....	6
Wind break services.....	7
Shortage of animal feed.....	8
Need for fuel wood and construction material.....	9
To make boundary.....	10

CODE E: Unit Of Measurement (Land)

Hectare.....	1
Timad.....	2
Gemed.....	3
Kert.....	4
Gezim.....	5
Tilm.....	6
Massa.....	7
Kedama.....	8
Kufaro.....	9
Zhir.....	10
Tinto.....	11
Dero.....	12
Kend.....	13
Square zhir.....	14
Medeb.....	15
square meter.....	16
Boy.....	17
Other (specify).....	18

CODE F: Type Of Employment And Activities

Farm worker (for pay).....	1
Traditional labour sharing (farm work).....	2
Professional (teacher, government worker, administration, health worker, clerical).....	3
laborer (skilled i.e. builder, thatcher).....	4
Salesman.....	5
Soldier.....	6
driver/mechanic.....	7
Unskilled worker.....	8
Domestic servant (yebet agelgaynet).....	9
Food-for-work.....	10
Weaving/spinning.....	11
Milling.....	12
Handicraft, incl. pottery.....	13
Selling fuelwood (firewood,charcoal, leaves, etc.).....	14
Selling dung cakes.....	15
Trade in livestock /livestock products.....	16
Trade in grain and others(incl. honey, papper, etc.).....	17
Traditional healer.....	18
Religious teacher.....	19
Transport (by pack animals).....	20
Selling beverages (tella, tej).....	21
Other (specify).....	22

Section 4.1.3. Agro forestry technologies

We would like to ask you about some of backgrounds of your household and your farm that prevailed immediately before the following agro forestry technologies were introduced to your village or when your household adopted them.

Conservation technology or practice CODE A	Have you ever adopted [] technology? 1=yes 2=no>q. 5	1. Source of information who promoted Code B	2. Did you adopt then or latter? 1=then 2=latter	3. If latter when? (year)	4. Size		5. HH head education by then?	6. Reason for adoption Code D
					Quantity	Unit (Code E)		

7. Labor force by then?	8. Family size by then?	9. Land holding size by then?		10. Livestock size by then		11. Are you still using ? 1=yes 2=no	12. If still not used, year stopped?	13. Off-farm activities by then? 1=yes 2=no=>Q 15.	14. If yes to Q. 13, specify Code (F)	15. Distance from DA office by then?	16. Were using commercial fertilizer by then? 1=yes 2=no	17. Estimate of severely degraded farmland by then
		Size	Unit (Code E)	Head of cattle by then?	Head of small ruminants							

CODE A: Forest Use

As a source of fuel wood -----	1
As source of fodder-----	2
Shade for animals-----	3
Source of construction materials-----	4
Source of food-----	5
Other (specify)-----	6

CODE B: Unit (Weight)

Kilograms.....	1
Quintal.....	2
Chinet.....	3
Dawla.....	4
Kunna.....	5
Medeb.....	6
Kurbets.....	7
Silicha.....	8
Akmada.....	9
Esir.....	10
Bobo.....	11
Baldi.....	12
Packets.....	13
Pieces.....	14
Bars.....	15
Boxes.....	16
Leaves.....	17
Litres.....	18
Kil.....	19

Gan.....	20
Ensira.....	21
Gurzigne.....	22
Tassa.....	23
Kubaya/kelasa.....	24
Birchiko.....	25
Sini/Finjal.....	26
Gembo.....	27
Bottles.....	28
Birr.....	29
Big madaberia.....	30
Small madaberia.....	31
Dirib.....	32
Sahin/lotery.....	33
Makorkria.....	34
Plastic bag/festal....	35
Zurba.....	36
Akara.....	37
Small plastic bag(mika).....	38

Kerchat/kemba.....	39
Bunch(bananas).....	40
Melekia/lik.....	41
Guchiye.....	42
Bekole.....	43
Enkib.....	44
Number.....	45
Gotera.....	46
Lemba.....	47
Shirimeri.....	48
Egir.....	49
Wesla.....	50
Mesferia.....	51
Kurfo.....	52
Kolela.....	53
Kesha.....	54
Parts/leg(of meat)....	55
Yegebeya kimba.....	56
Tilik kimba(yeglgel medfia)....	57
Bira.....	58
Shekim(yewond).....	59
Shekim(yeset).....	60
Tilik kemba.....	63
Bags.....	64
Other.....	65
(specify)_____	

SECTION 4.2. FOREST INSTITUTIONS: Household Perception Of Forest Use And Management

1. What do you think is the most important use of this forest?

(Code A) _____

2. Ask households perception of change in the status of the resources over the last ten years

	Increasing (1)	Constant (2)	Decreasing (3)	Do not know (4)
2.1.What is the trend of the forest in the last 10 years				
2.2.What is the trend of the grazing area or pasture forest in the last 10 years				
2.3. What is the trend of the source of drinking water in the last 10 years				

3.What are the changes in the resource availability before and after the setting up of the community forestry?

To enumerator: If a household uses more than one community forest, mention the one that is mostly used and pose the following questions. If a household use a single community forest, ask directly about this forest.

Name community forest _____, CODE _____ (Obtain the CODE from your supervisor)

	Time spent in collection per trip		Amount collected Per trip			
	Before (Minutes /trip)	After (Minutes/trip)	Before	Unit CODE B	After	Unit CODE B
Fuel wood						
Fodder						
Grasses						
Leaf litter						
Other forest products(mention)						
Water						

Enumerator: For the following statements, please indicate whether the farm household strongly agree(1) Agree(2), No opinion (3), Disagree (4), or strongly Disagree (5)

	Strongly Agree (1)	Agree (2)	No Opinion (3)	Disagree (2)	Strongly disagree (1)
4. The rules of access and forest use are clear					
5. The system for deciding who has access to the forest resources is a fair one.					
6. Community forestry helps reduce poverty					
7. Community forestry is able to meet the household demand					
8. Community forestry program decreases the access to resource base					
9. The existing distribution process is fair and acceptable					
10. There are limits on how much fuel wood you can collect from community forests?					
11. There are limits on how much grazing or fodder collection you can do on common lands.					
12. You are either formally or informally involved in monitoring the forest.					
13. I feel that I and others in the village are able to take the amounts of forest products from common lands that are needed for household use, but not more.					
14. I think I have influence on policies for deciding how much forest products people can take from common lands.					
15. Village authorities or common land managers monitor who takes what products from common lands.					

16. Villagers generally watch who takes forest products from common lands.					
17. The controllers of common lands (who decide how much each person can take) are democratically chosen.					
18. Other villagers would be very unhappy with you if they found that you had taken more than your allotment of fuel wood, fodder or grazing rights.					
19. You could lose some or all of your rights to collect forest products from common lands if you were caught taking more than the amounts you are allowed to take.					
20. All other households have the same allotment of fodder or grazing rights per year (as your household).					
21.If you took more fuel wood from the common lands than you were allowed to take, then you would face some sort of punishment.					
22.If you took more fodder or did more grazing from common lands than you were allowed, then you would face some sort of punishment.					
23.Would you feel embarrassed or bad if you took more than your allotment of fuel wood, fodder or grazing rights?					
24.Overall, the existence of the community forest has affected the benefits that the household gets from the forest.					

CODE A: Reasons for Joining Forestry Association

- Better access to forest products-----1
- Better forest management-----2
- Advised by development agents-----3
- Feeling responsible in the village-----4
- Forced by government/local officials-----5
- Good for social aspect (meetings, friends, relatives, etc)-----6
- Better market opportunity-----7
- Other (specify)-----8

CODE B: Reasons For Not Participating in The Forestry Association

- No forest association exists in the village-----1
- I am in a new village-----2
- Members belong to other group(s)(ethnic, religion, etc) than I do-----3
- can not afford to contribute the time-----4
- can not afford to contribute the required cash payment-----5
- Membership will restrict my use of the forest-----6
- the association is not effective in managing the forest-----7
- Lack of forest products-----8
- Other (specify)-----9

Code C: Type of Fines

- Fee (cash payment)-----1;
- Returning collected products-----2;
- labor (extra work)-----3
- Exclusion from group-----4
- Other, specify-----5:

25. Do you or any member of the family require any permission to collect the following forest products?

Enumerator: Please write **1** if the answer is **YES**, and **2** if it is **NO**.

	Fuel wood	Fodder	Grass	Bamboo	Craft materials	Medicinal plants	Honey	Spices	Construction materials	Others(specify)

26. How often do you need to get permission to collect fuel wood from forest? _____

1) Every time I collect fuel wood 2) Yearly 3) Just one time 4) No permission is required , 5) other (specify)

27. Is there any restriction on the amount of each type of forest product you collect from the forest? (Yes---1, No—2) _____

28. Do you have to pay money for the right to collect fodder or graze animals on the forest? (Yes---1, No—2) _____

29. Is there a penalty for those who violate the rule? (Yes---1, No—2) _____

29.1 If the answer to Q. 29 is yes, then what is the type _____ (**code C**) and amount of fine, if any, _____ Birr

30. Are you or any member of your household a member of any Forest management activities? (Yes---1, No—2) _____

31. How much time do you spend in the following community forestry obligatory activities?

Activities ID code	Meetings (in hours)		Plantation (in hours)		Maintenance (in hours)		Watching and monitoring (in hours)		Traveling (in hours)		Others Activities(in hours)		Total time	
	Monthly	Annually	Monthly	Annually	Monthly	Annually	Monthly	Annually	Monthly	Annually	Monthly	Annually	Monthly	Annually

32. Does your household make any cash payments/contributions to the forest association? (Yes---1, No.....2) _____

If yes : how much did you pay in the past 12 months? -----Birr

33. What are your reasons for joining the forestry association? **Code A**

34. If you don't participate in the forest management activities, why?

Code B: Write in descending order of importance 1. _____ 2. _____ 3. _____ 4. _____

CODE A: Type of Forest Products

Bamboo-----	1
Fodder-----	2
Craft materials-----	3
Honey-----	4
Wax-----	5
Gums and resins-----	6
Incense-----	7
Spices-----	8
Wild coffee-----	9
Climbers-----	10
Medicinal plants-----	11
Grasses-----	12
Litter-----	13
Other(please specify)---	14

CODE B: Source Of The Product

My own property -----	1
Natural forest-----	2
Community forest-----	3
Government/state forest-----	4
Bought from market-----	5
Property of other individuals---	6
Other(please specify)-----	7

CODE C: Unit (weight)

Kilograms.....	1
Quintal.....	2
Chinet.....	3
Dawla.....	4
Kunna.....	5
Medeb.....	6
Kurbets.....	7
Silicha.....	8
Akmada.....	9

Esir.....	10
Bobo.....	11
Baldi.....	12
Packets.....	13
Pieces.....	14
Bars.....	15
Boxes.....	16
Leaves.....	17
Litres.....	18
Kil.....	19
Gan.....	20
Ensira.....	21
Gurzigne.....	22
Tassa.....	23
Kubaya/kelasa.....	24
Birchiko.....	25
Sini.....	26
Gembo.....	27
Bottles.....	28
Birr.....	29
Big madaberia.....	30
Small madaberia.....	31
Dirib.....	32
Sahin/lotery.....	33
Mankorkoria.....	34
Plastic bag/festal....	35
Zurba.....	36
Akara.....	37
Small plastic bag(mika).....	38
Kerchat/kemba.....	39
Bunch(bananas).....	40
Melekia/lik.....	41
Guchiye.....	42

Bekole.....	43
Enkib.....	44
Shekim.....	45
Number.....	46
Gotera.....	47
Lemba.....	48
Shirimeri.....	49
Egir.....	50
Wesla.....	51
Mesferia.....	52
Kurfo.....	53
Kolela.....	54
Kesha.....	55
Parts/leg(of meat)....	56
Yegebeya kimba.....	57
Tilik kimba(yeglgel medfia).....	58
Bira.....	59
Shekim(yewond).....	60
Shekim(yeset).....	61
Tilik kemba.....	62
Bags.....	63
Other.....	64
(specify)_____	

SECTION 4.3. NON FUEL FOREST PRODUCTS

To the Enumerator: Please complete the following table for one non-fuel forest product type and then go to the next one. Use a new row as soon as something differs e.g. source, season, type of product or quantity per trip. Also note to include **grasses, leaf litter** and **fodder** in the table. If a household doesn't go to collect these products monthly, record average collection time, e.g. if the household goes once in a six month time, then you can divide it by six and fill average collection time per month.

HH Id No	1.Type of Forest product (Code a)	2.Sour ce (Code B)	3.Seaso n Kiremt ...1 Bega... 2	4.Trips/ month	Quantity		7.Travel time (two ways) in minutes	8.Collecti on time (in minutes) per trip (8)	9.Total quantity Consumed per week		10.Total quantity sold last production year		
					5.Quant ity per trip	6.Quant ity unit (Code C)			Quantit y	Unit Code C	Quantit y	Unit Code C	Price/un it

CODE A: Benefits After Transfer

Increased-----1

No change-----2

Decreased-----3

Do not know-----4

CODE B: Forest Activities

Fuel wood collection-----1

Harvesting of NTFPS-----2

For timber cutting-----3

Maintenance -----4

Planting----- 5

Fencing-----6

Other (specify)-----7

11. How has the benefits obtained from forests changed after transfer of ownership to the community, if there is any? **Code A** _____

12. Which of the tools you owned were used in **forestry operation** and what is their cost and economic life?

To enumerators: Forestry operations involve collection of fuel wood, non-fuel forest products and other construction materials.

A household can have multiple of implements. In that case consider the one that has been bought most recently.

Types of Tools	Asset code	Number	Purchased year	Purchased price per Unit (Birr/unit)	Economic life (Year)	% use in Forestry Activities	Type of forest activities the tool is used for Code B
Horse carts	01						
Wheelb arrows	02						
Plough (maresha)	03						
Hoe (doma)	04						
Spade	05						
Sickle (Machid)	06						
Axe (Metrebia)	07						
Hammer (fas or martelo) /	08						
saw(megaz)	09						
Saddle(korcha)	10						
Beehives	11						
Bicycle	12						
Car batteries	13						
Beds wooden/metal(alga)	14						
Table	15						
Fanos/gas medija	16						
Barrel	17						
Guns/tebmenja	18						
Gejera,	19						
Bilawa,	20						
Konchora	21						
Leather pouch(Silicha)	22						
OTHER ASSETS	23						
Radio	24						
Television	25						
Others	26						

CODE A: Unit Of Measurement (Weight)

Kilograms.....	1
Quintal.....	2
Chinet.....	3
Dawla.....	4
Kunna.....	5
Medeb.....	6
Kurbets.....	7
Silicha.....	8
Akmada.....	9
Esir.....	10
Bobo.....	11
Baldi.....	12
Packets.....	14
Pieces.....	15
Bars.....	16
Boxes.....	17
Leaves.....	18
Litres.....	19
Kil.....	20
Gan.....	21
Ensira.....	22
Gurzigne.....	23
Tassa.....	24
Kubaya/kelasa.....	25
Birchiko.....	26
Sini.....	27
Gembo.....	28
Bottles.....	29
Birr.....	30
Big madaberia.....	31
Small madaberia.....	32
Dirib.....	33
Sahin/lotery.....	34
Mankorkoria.....	35
Plastic bag/festal.....	36
Zurba.....	37
Akara.....	38
Small plastic bag(mika).....	39
Kerchat/kemba.....	40
Bunch(bananas).....	41
Melekia/lik.....	42
Guchiye.....	43
Bekole.....	44
Enkib.....	45
Shekim.....	46
Number.....	47
Gotera.....	48
Lemba.....	49
Shirimeri.....	50
Egir.....	51

Wesla.....	52
Mesferia.....	53
Kurfo.....	54
Kolela.....	55
Kesha.....	56
Parts/leg(of meat).....	57
Yegebeya kimba.....	58
Tilik kimba(yeglgl medfia).....	59
Bira.....	60
Shekim(yewond).....	61
Shekim(yeset).....	62
Tilik kemba.....	95
Bags.....	96
Other.....	13
(specify).....	

SECTION 5. SHOCKS AND EXPENDITURE
SECTION 5.1. HOUSEHOLD CONSUMPTION EXPENDITURE

SECTION 5.1.1. Food, beverages and tobacco

On average, how many people were present in the household and participated in the meals in the last 7 days? Also indicate the number of visitors who participated in the meals and the number of days they did so. This information will be recorded in the following table.

Q1	Household Members		Visitors			
	(1) Adults	(2) Children	(3) Adult	(4) # days	(5) Children	(6) # days
(A) Male						
(B) Female						

We would like to ask you how much of each of the following food items the household (including meals prepared for visitors) has consumed over the past 7 days. Note to enumerators - let wife assist as she may be more familiar with food consumption than the man. **Note also that the unit for quantities for each item should be the same in all columns. Further note that you need to be cautious of cultural contexts to pose some of the questions. For example you shouldn't ask about tobacco consumption in a culture where such practices are non-existent or condemned. Make sure that the sum of q. 5, 7 and 8 equals q. 3 while recording quantities in the following table.**

Item Description	Code	Total amount consumed		Purchased (incl. food bought while temporarily away from home by household members and visitors over past 7 days.		Consumption out of home produce	Obtained as gift
		Quantity	Unit (code A)	Quantity.	Value (ETB)	Quantity	Qty (use the same unit as(4)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Teff	101						
Barley (Gebis)	102						
Wheat/ Durahh (Sinde)	103						
Maize (Bekolo/Bahismashla)	104						
Sorghum (Mashila; dagusa)	105						
Millet (Zengada)	106						
Lentils (Misir)	107						
Horse Beans (Bakela)	108						
Cow Peas (Ater)	109						
Chick Peas (Shimbra)	110						
Milk/yoghourt (ergo)	112						
Eggs	111						
Butter/cheese	113						
Tella/tej	114						
Birra (bottled)	115						
Chat	116						
Araqi/kathikala	117						
Soft drinks	118						
Coffee	119						
Sugar	120						
Honey	121						

CODE A: Unit Of Measurement (Weight)

Kilograms.....1
 Quintal.....2
 Chinet.....3
 Dawla.....4
 Kunna.....5
 Medeb.....6
 Kurbets.....7
 Silicha.....8
 Akmada.....9
 Esir.....10
 Bobo.....11
 Baldi.....12
 Packets.....14
 Pieces.....15
 Bars.....16
 Boxes.....17
 Leaves.....18
 Litres.....19
 Kil.....20
 Gan.....21
 Ensira.....22
 Gurzigne.....23
 Tassa.....24
 Kubaya/kelasa.....25
 Birchiko.....26
 Sini.....27
 Gembo.....28
 Bottles.....29
 Birr.....30
 Big madaberia.....31
 Small madaberia.....32
 Dirib.....33

Sahin/lotery.....34
 Mankorkoria.....35
 Plastic bag/festal....36
 Zurba.....37
 Akara.....38
 Small plastic bag(mika).....39
 Kerchat/kemba.....40
 Bunch(bananas).....41
 Melekia/lik.....42
 Guchiye.....43
 Bekole.....44
 Enkib.....45
 Number.....46
 Gotera.....47
 Lemba.....48
 Shirimeri.....49
 Egir.....50
 Wesla.....51
 Mesferia.....52
 Kurfo.....53
 Kolela.....54
 Kesha.....55
 Parts/leg(of meat)....56
 Yegebeya kimba.....57
 Tilik kimba(yeglgl medfia).....58
 Bira.....59
 Shekim(yewond).....60
 Shekim(yeset).....61
 Tilik kemba.....95
 Bags.....96
 Other.....13
 (specify)_____

Salt	123						
Cooking oil	124						
Spices/karia/berbere	125						
Bread (dabo)	126						
Macaroni/spaghetti	127						
Potatoes	128						
kocho	129						
Sweet potatoes	130						
Green leaf vegetables	131						
Cigarettes	138						
Other Tobacco	139						
Expenditure in Restaurants on:	140						
1- Food							
2-Soda	141						
3-Beer	142						

SECTION 5.1.2: Non-Durable Goods And Frequently Purchased Services (during last 30 days)

Item	Code	Unit of Quantity Code (A)	Purchases		Home Produced		Obtained as gift	
			Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Housing expenditures								
Housing Rent	201							
Maintenance and repair expenses	202							
Water	203							
Electricity	204							
Kerosene	205							
Charcoal	206							
Firewood	207							
Others	208							
Personal care								
Matches	210							

CODE A: Unit Of Measurement (Weight)

Kilograms.....	1
Quintal.....	2
Chinet.....	3
Dawla.....	4
Kunna.....	5
Medeb.....	6
Kurbets.....	7
Silicha.....	8
Akmada.....	9
Esir.....	10
Bobo.....	11
Baldi.....	12
Packets.....	14
Pieces.....	15
Bars.....	16
Boxes.....	17
Leaves.....	18
Litres.....	19
Kil.....	20
Gan.....	21
Ensira.....	22
Gurzigne.....	23
Tassa.....	24
Kubaya/kelasa.....	25
Birchiko.....	26
Sini.....	27
Gembo.....	28
Bottles.....	29
Birr.....	30
Big madaberia.....	31
Small madaberia.....	32
Dirib.....	33
Sahin/lotery.....	34
Mankorkoria.....	35

Plastic bag/festal.....	36
Zurba.....	37
Akara.....	38
Small plastic bag(mika).....	39
Kerchat/kemba.....	40
Bunch(bananas).....	41
Melekia/lik.....	42
Guchiye.....	43
Bekole.....	44
Enkib.....	45
Shekim.....	46
Number.....	47
Gotera.....	48
Lemba.....	49
Shirimeri.....	50
Egir.....	51
Wesla.....	52
Mesferia.....	53
Kurfo.....	54
Kolela.....	55
Kesha.....	56
Parts/leg(of meat).....	57
Yegebeya kimba.....	58
Tilik kimba(yegl gel medfia).....	59
Bira.....	60
Shekim(yewond).....	61
Shekim(yeset).....	62
Tilik kemba.....	95
Bags.....	96
Other.....	13
(specify).....	

Candles	211							
Soap and detergent	212							
Cosmetics	213							
Batteries	214							
Others	215							
	216							
	217							
	218							
Transport& communication								
Tyres, Tubes, spares etc	220							
	221							
Taxi and/or bus fares	222							
Envelopes, etc	223							
Rent for mule and donkey	224							
	225							
Others	226							
Health expenditures								
Consultation Fees	230							
Medicines etc.	231							
Hospital/Clinic charges	232							
Traditional doctors fees/medicines	233							
Others	234							
Other service								
Housemaids	240							
Expenses in hotels, lodging places	241							
Milling expenses	242							
	243							
	244							
	245							

CODE A: Unit Of Measurement (Weight)

Kilograms.....	1
Quintal.....	2
Chinet.....	3
Dawla.....	4
Kunna.....	5
Medeb.....	6
Kurbets.....	7
Silicha.....	8
Akmada.....	9
Esir.....	10
Bobo.....	11
Baldi.....	12
Packets.....	13
Pieces.....	14
Bars.....	15
Boxes.....	16
Leaves.....	17
Litres.....	18
Kil.....	19
Gan.....	20
Ensira.....	21
Gurzigne.....	22
Tassa.....	23
Kubaya/kelasa.....	24
Birchiko.....	25
Sini.....	26
Gembo.....	27
Bottles.....	28
Birr.....	29
Big madaberia.....	30
Small madaberia.....	31
Dirib.....	32

Sahin/lotery.....	33
Mankorkoria.....	34
Plastic bag/festal.....	35
Zurba.....	36
Akara.....	37
Small plastic bag(mika).....	38
Kerchat/kemba.....	39
Bunch(bananas).....	40
Melekia/lik.....	41
Guchiye.....	42
Bekole.....	43
Enkib.....	44
Shekim.....	45
Number.....	46
Gotera.....	47
Lemba.....	48
Shirimeri.....	49
Egir.....	50
Wesla.....	51
Mesferia.....	52
Kurfo.....	53
Kolela.....	54
Kesha.....	55
Parts/leg(of meat).....	56
Yegebeya kimba.....	57
Tilik kimba(yegl gel medfia).....	58
Bira.....	59
Shekim(yewond).....	60
Shekim(yeset).....	61
Tilik kemba.....	95
Bags.....	96
Other.....	13
(specify).....	

SECTION 5.1.3: Semi-Durable And Durable Goods And Services (During Last 365 days)

Item Description (1)	Code (2)	Purchases Value ETB (3)	Free (obtained as gift) Value (4)	For own consumption (5)
Meats				
Beef (yekebit siga)	501			
Mutton (yebeg)/goat meat(yefiyel siga)	502			
Chicken	503			
Clothing				
Men's clothing	301			
Women's clothing	302			
Children's wear	303			
Clothing Material and tailoring	304			
Men's Footwear	305			
Women's Footwear	306			
Children's Footwear	307			
Other Footwear and Repairs	308			
Furniture, Carpet, Furnishings etc				
Furniture Items (chairs, sofas, tables,beds,cupboards, chest of drawers, wardrobes, book cases)	401			
Carpets, Mats, etc.	402			
	403			
Bedding Mattresses	404			
Blankets and bed sheets, etc.	405			
Mosquito nets	406			
Other and Repairs	409			
Household Appliances and Equipment				
Electric iron/Kettles/cooking pots etc.	421			
Charcoal and Kerosene stoves	422			
Radio/cassette player/stereo equipment	423			
Bicycles	424			
Motorcar, pick-ups, etc.	425			
Motor cycles	426			
Agricultural equipment	427			
Other equipment and repairs	430			
Jewelry, Watches etc.	431			
Glass/Table Ware, Utensils & Electric goods				
Plastic Basins	441			
Plastic plates/tumblers	442			
Jerry cans and Plastic buckets	443			
Enamel and metallic utensils	444			
Switches, plugs, cables, bulbs etc	445			
Others and repairs	449			

CODE A: Unit Of Measurement (Weight)

Kilograms.....	1
Quintal.....	2
Chinet.....	3
Dawla.....	4
Kunna.....	5
Medeb.....	6
Kurbets.....	7
Silicha.....	8
Akmada.....	9
Esir.....	10
Bobo.....	11
Baldi.....	12
Packets.....	13
Pieces.....	14
Bars.....	15
Boxes.....	16
Leaves.....	17
Litres.....	18
Kil.....	19
Gan.....	20
Ensira.....	21
Gurzigne.....	22
Tassa.....	23
Kubaya/kelasa.....	24
Birchiko.....	25
Sini.....	26
Gembo.....	27
Bottles.....	28
Birr.....	29
Big madaberia.....	30
Small madaberia.....	31

Dirib.....	32
Sahin/lotery.....	33
Mankorkoria.....	34
Plastic bag/festal.....	35
Zurba.....	36
Akara.....	37
Small plastic bag(mika).....	38
Kerchat/kemba.....	39
Bunch(bananas).....	40
Melekia/lik.....	41
Guchiye.....	42
Bekole.....	43
Enkib.....	44
Shekim.....	45
Number.....	46
Gotera.....	47
Lemba.....	48
Shirimeri.....	49
Egir.....	50
Wesla.....	51
Mesferia.....	52
Kurfo.....	53
Kolela.....	54
Kesha.....	55
Parts/leg(of meat).....	56
Yegebeya kimba.....	57
Tilik kimba(yeglgel medfia).....	58
Bira.....	59
Shekim(yewond).....	60
Shekim(yeset).....	61
Tilik kemba.....	95
Bags.....	96
Other.....	13
(specify).....	

Item Description	Code	Purchases Value ETB	Free (obtained as gift) Value
(1)	(2)	(3)	(4)
Education			
Schools fees including PTA	601		
Boarding and Lodging	602		
School uniform	603		
Books and supplies	604		
Other educational expenses	609		
Other services			
Expenditure on household functions (e.g. occasions)	801		
Insurance Premiums	802		
Other services	809		

SECTION 5.1.4. Non-Consumption Expenditure

Items Description	Code	Value during 12 months
(1)	(2)	(3)
Taxes and duties paid	901	
Contribution to Iddir	905	
Contribution to Equb	906	
Other pension and social security contribution	902	
Remittances, gifts and other transfers including title	903	
Other social and religious contributions	904	
Interest on consumer debts	909	

SECTION 5.1.5: Production Expenditure (On Agricultural Inputs) per YEAR

Input code	1. Type of expenditure during the 2000/01 production year	2. Total expenditure in Birr Estimated value in Birr
1	Fertilizer – DAP	
2	Fertilizer – UREA	
3	Fertilizer (OTHER, SPECIFY)	
4	Pesticides (including fungicides and herbicides)	
5	Improved seed	
6	Local seed	
7	Hired labor for land preparation and sowing	
8	Hired labor for weeding and pruning	
9	Hired labor for harvesting	
10	Purchased manure	
11	Rent for oxen	
12	Transport related to fertilizer	
13	Transport related to other crop production activities	
14	Tractor, harvester, or combine services	
15	Other (specify)	

CODE (A), How Widespread Was Shock?

1. Only affected my household
2. Affected some households in this village
3. Affected all households in this village
4. Affected this village and other villages nearby
5. Affected areas beyond this kebele.

SECTION 5.2. HOUSEHOLD SHOCKS AND COPING MECHANISMS

SECTION 5.2.1. Type and Frequency Of Shocks

	Type of Shocks	1. Since TIR 1999, have the living conditions of household members been affected by [SHOCK]? 1 Yes, 2 No If 2 go to next category	2. How many times did [SHOCK] occur in past 2 years?	3. When was the last time [SHOCK] occurred (month +Year)		4. How did [SHOCK] affect the food consumption of the household 1. Very negatively 2. Negatively 3. Not at all	5. Who else in the community experienced this [SHOCK]? (Code a)	6. How many times do you expect [SHOCK] to happen in the coming two years?
				Month	Year			
1	Drought							
2	Too much rain or flood							
3	Erosion and gully formation							
4	Frosts or hailstorm							
5	Pests or diseases that affected crops before they were harvested							
6	Pests or diseases that led to storage losses							
7	Theft of crops							
8	Loss of livestock (death, theft, illness)							
9	Death of husband							
10	Death of wife							
11	Death of other person							
12	Illness of husband							
13	Illness of wife							
14	Illness of other person							
15	Lack of access to inputs							
16	Large increase in input prices							
17	Large decrease in output prices							
18	Land redistribution in the PA							
19	Fire							
20	Resettlement, villagization or forced migration							
21	Forced contributions or arbitrary taxation							
22	Discrimination for social or ethnic reasons							
23	Contract disputes regarding land contracts							
24	Other contract disputes (e.g. credit)							

CODE A: Consequence

Social disruption (e.g. immorality, drug, alcohol abuse).....1
Family breakdown (e.g. orphan hood, early marriage, inheritance).....2
Emotional breakdown (e.g. depression, mental illness).....3
Educational breakdown (e.g. interrupted school, lack of concentration).....4
Other5
(specify)_____

As a direct consequence of this [SHOCK] ...

	7. Of the shocks identified on the previous page, which three shocks are the most serious ones? (Provide shock Number from previous table)	8.As a result of[SHOCK] did you lose (part of) your harvest 1=Yes 2=No → q. 10	9. How much did you lose 1=90-100% 2=50-90% 3=25-50% 4=less 25%	10. As a result of[SHOCK] did you incur major expenses (e.g. funeral, medical bills) 1=yes 2=no → q12	11. How much did you spend in Birr	12. Did you lose any livestock? 1=yes 2=no → q16	13. How many oxen did you lose?	14. How many other cattle did you lose?	15. How many goats, pigs or sheep did you lose?	16. Did [SHOCK] have any non-material consequences? 1=Yes 2=No if No go to 19	17.What kind of consequences? Consequence (code A)
Most Serious											
Second Shock											
Third Shock											

To reduce the consequences of this [SHOCK] (e.g. for the household's food consumption) or to recover from the [SHOCK] (e.g. to rebuild a house) ...

	Shock Number from previous table	18. Did you use savings? Or did you sell, barter or exchange land, animals or other assets? 1=Yes 2=No	19. Did you receive (or seek) assistance from family members? 1=Yes 2=No	20. Did you receive aid or assistance or from others (friends, NGO, Government) etc? 1=Yes 2=No	21. Did you engage in new ways of generating income? <i>e.g. send children to work, make crafts</i> 1=Yes 2=No	22. Did you take any other actions to deal with [SHOCK]? 1. Yes 2. No
Most Serious						
Second Shock						
Third Shock						

**CODE A: Reasons For Not Seeking
Other Work/Self-Employment**

- No employment opportunities.....1
- Needed on farm.....2
- Jobs too far away.....3
- Wages too low for kind of work.....4
- Lack of experience.....5
- Shortage of working capital.....6
- Other.....7
(specify)_____

CODE A: Type Of Employment

Farm worker (for pay).....	1
Traditional labour Sharing (farm work).....	2
Professional (teacher, government Worker, administration, health Worker, clerical).....	3
Skilled Laborer in forest related activities e.g carpentry.....	4
Laborer (skilled i.e. builder, thatcher.....	5
Salesman.....	6
Soldier.....	7
Driver/mechanic.....	8
Unskilled worker.....	9
Domestic servant (Yebet agelgaynet).....	10
Food-for-work (emergency).....	11
Productive safety net program.....	12
other.....	13

(Specify)

CODE B: Location Of Employment

This village.....	1
Other village in Peasant association.....	2
This woreda.....	3
This neighboring woreda.....	4
Other (specify).....	5

CODE C: Crop Codes (For Crop In Which In Kind Payment Is Done)

Cereals

White teff.....	1
Mixed teff.....	2
Black/Red teff.....	3
Wheat.....	4
Barley (gebs).....	5
Maize.....	6
Sorghum (mashila).....	7
Zengada.....	8
Oats (aja).....	9
Dagussa.....	10
Rice, paddy.....	11
Sinar/gerima.....	12
Others(specify).....	991

Pulses

Horse beans (bakela).....	21
Cow peas (ater).....	22
Soya beans (akuri ater).....	23

Lentils (misir).....	24
Adenguare.....	25
Guaya (vetch).....	26
Haricot beans (boloke).....	27
Chick peas (shimbra).....	28
Gibto.....	29
Others(specify).....	992

Oil-seeds

Nuug.....	42
Sesame (selit).....	43
Sunflower.....	44
Linseed (telba).....	45
Groundnuts (lewz).....	46
Others (specify).....	993

Vegetables

Potatoes.....	51
Onions.....	52
Spinach (quosta).....	53
Garlic (nech shinkurt).....	54
Sweet potatoes.....	55
Tomato.....	56
Beet root (key sir).....	57
Cabbage (gomen).....	58
Selata (lettuce).....	59
Tikil gommen.....	60
Pumpkin (duba).....	61
Carrot.....	62
Godere.....	63
Fasolia.....	64
Others (SPECIFY).....	994

Fruits

Orange.....	71
Banana.....	72
Pawpaw (papaya).....	73
Avocado.....	74
Mango.....	75
Lemon.....	76
Sugarcane.....	77
Pineapple.....	78
Others(specify).....	995

spices

Pepper(berbere, karia).....	81
Black pepper(kundo).....	82
Fenugreek (abish).....	83
Ginger (jinjibil).....	84
Black cumin (tikur azmud).....	85
White cumin (nech azmud).....	86
Others. (specify).....	996

perennial-crops

Gesho.....	91
Coffee.....	92
Chat.....	93
Enset.....	94
Kocho.....	95
Grass.....	96
Eucalyptus.....	97
Others(specify).....	997

CODE D: Unit Of Measurement (Weight)

Kilograms.....	1
Quintal.....	2
Chinet.....	3
Dawla.....	4
Kunna.....	5
Medeb.....	6
Kurbets.....	7
Silicha.....	8
Akmada.....	9
Esir.....	10
Bobo.....	11
Baldi.....	12
Packets.....	14
Pieces.....	15
Bars.....	16
Boxes.....	17
Leaves.....	18
Litres.....	19
Kil.....	20
Gan.....	21
Ensira.....	22
Gurzigne.....	23
Tassa.....	24
Kubaya/kelasa.....	25
Birchiko.....	26
Sini.....	27
Gembo.....	28
Bottles.....	29
Birr.....	30
Big madaberia.....	31
Small madaberia.....	32
Dirib.....	33
Sahin/lotery.....	34
Mankorkoria.....	35
Plastic bag/festal.....	36
Zurba.....	37

Akara.....	38
Small plastic bag(mika).....	39
Kerchat/kemba.....	40
Bunch(bananas).....	41
Melekia/lik.....	42
Guchiye.....	43
Bekole.....	44
Enkib.....	45
Shekim.....	46
Number.....	47
Gotera.....	48
Lemba.....	49
Shirimeri.....	50
Egir.....	51
Wesla.....	52
Mesferia.....	53
Kurfo.....	54
Kolela.....	55
Kesha.....	56
Parts/leg(of meat).....	57
Yegebeya kimba.....	58
Tilik kimba(yeglgl medfia).....	59
Bira.....	60
Shekim(yewond).....	61
Shekim(yeset).....	62
Tilik kemba.....	95
Bags.....	96
Other (specify).....	13

(E) Activity

Weaving/spinning.....	1
Milling.....	2
Carpentry.....	3
Basketry.....	4
Other Handicrafts, incl. pottery.....	5
Selling fuelwood (firewood, charcoal, leaves, etc.).....	6
Selling dung cakes.....	7
Trade in livestock /livestock products.....	8
Trade in grain and others(incl. honey, papper, etc.).....	9
Traditional healer.....	10
Religious teacher.....	11
Transport (by pack animals).....	12
Selling beverages (tella, tej).....	13
Other.....	14

(Specify)

SECTION 6.1.2: Income From Wage Employment And Non-Farm Self-Employment

We would like to ask you about your work during the past 12 months for which you received wage or any kind of payment or as part of labor sharing arrangements. **Enumerators:** Check the answers of **questions 1 and 4 in section 6.1.1** above. If any **‘YES’**, give details in the following table.

ID COD E of HH member	1. Specify the kind of work	2. Location of employment	3. Days worked in the last year? If traditional labor sharing, mention number of days participated.		4. Total amount earned in the last year. If in kind, give amount, form of payment and unit.			
	Code (a)	Code (b)	Days worked for pay (cash or in kind)	Traditional labor sharing (debbo) (No. of days participated)	amount in birr	amount in kind	in kind form Code (c)	Unit Code (d)

SECTION 6.1.3. Income From Non-Farm Self-Employment

To the Enumerator: Fill the following table if members of the household involved in non-farm self-employment activities such as weaving, pottery, trading, selling of firewood, etc. Check the answers of **question 5 in section 6.1.1** above. If any **‘YES’**, give details below.

ID code of household member	6. Activity	7. How many days has the household member worked at this activity in the last year?	8. How much has the household earned from this activity in the last year?			
	Code (e)		Amount in Birr	Amount in kind	Form in kind Code (c)	Unit Code (d)

SECTION 6.2: TRANSFER AND OTHER INCOMES TO THE HOUSEHOLD

We would like to ask you if your household (any member of your household) received any other income (such as remittances, gifts, or other transfers) in the past 12 months.

Type of income	Income code	Has the household received any [] in the past 12 months? 1=Yes 2=No>>Next Category	Amount received during the past 12 months. If amount was in-kind, give the estimated cash value in Birr	
			Cash BIRR	In-kind (Estimated cash value) BIRR
Remittance, gifts, or transfers received locally (within Ethiopia)	1			
Remittance, gifts, or assistance received from abroad (outside Ethiopia)	2			
Food aid/relief assistance	3			
Income from the sale of assets excluding livestock	4			
Pension	5			
Other (specify__)	6			

CODE A: Reason For Not Taking Credit

No need for a loan.....	1
Tried to get a loan but was refused.....	2
No-one available to get a loan from...3	
Expected to be rejected,	
So did not try to get one	4
I have no assets for collateral.....	5
Afraid of losing collateral	6
Afraid that i cannot pay back.....	7
Interest rates too high.....	8
Other (specify).....	9

CODE B: Source Of Loan

Moneylender/arata.....	1
Relative.....	2
Friend/neighbor.....	3
From equb.....	4
From iddir	5
From the cooperative ...	6
Loan from other local org....	7
From a bank	8
From government/ministry/kebele	9
From microcredit program / NGOs---	10
other (specify)	11

CODE C: Reason Of Loan

To buy Farm or other tools/implements.....	1
To buy inputs	2
To buy livestock.....	3
To pay for hired labour	4
To pay rent/taxes.....	5
To start an off-farm business (like weaving)....	6
To buy food/goods for the household.....	7
To pay for travel expenses.....	8
To pay for building materials...9	
To pay for health expenses.....	10

To pay for education expenses.11	
For wedding.....	12
For funeral.....	13
Repay other debts.....	14
Other (specify).....	15

CODE D: Crop/Food Item

Cereals

White teff	1
Mixed teff	2
Black/Red teff.....	3
Wheat	4
Barley (gebs).....	5
Maize	6
Sorghum (mashila)	7
Zengada	8
Oats (aja).....	9
Dagussa	10
Rice, paddy	11
Sinar/gerima	12
Others.....	991
(specify).....	

pulses

Horse beans (bakela)..21	
Cow peas (ater).....	22
Soya beans (akuri ater)..23	
Lentils (misir).....	24
Adengware.....	25
Guaya (vetch).....	26
Haricot beans (boloke)..27	
Chick peas (shimbra)....28	
Gibto.....	29
Others.....	992
(specify).....	

oil-seeds

Nuug.....	42
Sesame (selit).....	43
Sunflower.....	44
Linseed (telba).....	45
Groundnuts (lewz)....46	
Others.....	993
(specify).....	

vegetables

Potatoes.....	51
Onions.....	52
Spinach (quosta).....	53
Garlic (nech shinkurt)..54	
Sweet potatoes.....	55
Tomato.....	56
Beet root (key sir)....57	

Cabbage (gomen).....	58
Selata (lettuce).....	59
Tikil gommen.....	60
Pumpkin (duba).....	61
Carrot.....	62
Godere.....	63
Fasolia.....	64
Others.....	994
(specify).....	
fruits	
Orange.....	71
Banana.....	72
Pawpaw (papaya)....73	
Avocado.....	74
Mango.....	75
Lemon.....	76
Sugarcane	77
Pineapple.....	78
Others.....	995
(specify).....	

spices

Pepper(berbere, karia)..81	
Black pepper(kundo)..82	
Fenugreek (abish)....83	
Ginger (jinjibil)....84	
Black cumin (tikur azmud) .85	
White cumin (nech azmud) .86	
others.....	996
(specify).....	

perennial-crops

Gesho.....	91
Coffee.....	92
Chat.....	93
Enset.....	94
Kocho.....	95
Grass.....	96
Eucalyptus	97
Others.....	997
(specify).....	

CODE E: Unit Of Measurement (Weight)

Kilograms.....	1
Quintal.....	2
Chinet.....	3
Dawla.....	4
Kunna.....	5
Medeb.....	6
Kurbets.....	7
Silicha.....	8
Akmada	9
Esir.....	10
Bobo.....	11
Baldi.....	12

Packets.....	14
Pieces.....	15
Bars.....	16
Boxes.....	17
Leaves.....	18
Litres.....	19
Kil.....	20
Gan.....	21
Ensira.....	22
Gurzigne.....	23
Tassa.....	24
Kubaya/kelasa.....	25
Birchiko.....	26
Sini.....	27
Gembo.....	28
Bottles.....	29
Birr.....	30
Big madaberia.....	31
Small madaberia.....	32
Dirib.....	33
Sahin/lotery.....	34
Mankorkoria.....	35
Plastic bag/festal...36	
Zurba.....	37
Akara.....	38
Small plastic bag(mika).....39	
Kerchat/kemba.....	40
Bunch(bananas).....	41
Melekia/lik.....	42
Guchiye.....	43
Bekole.....	44
Enkib.....	45
Shekim.....	46
Number.....	47
Gotera.....	48
Lemba.....	49
Shirimeri.....	50
Egir.....	51
Wesla.....	52
Mesferia.....	53
Kurfo.....	54
Kolela.....	55
Kesha.....	56
Parts/leg(of meat)....57	
Yegebeya kimba.....	58
Tilik kimba(yeglgel medfia).....59	
Bira.....	60
Shekim(yewond).....	61
Shekim(yeset).....	62
Tilik kemba.....	95
Bags.....	96
Other.....	13
(specify).....	

SECTION 7: CREDIT

1. Have you or any member of your household ever wanted to apply for a loan to formal or informal institutions during the last 3 years? 1=Yes, 2=No _____
2. Since the TIR 1999 Ethiopian calendar, have you or a member of your household ever taken out a loan of at least 50 Birr, in cash or IN KIND? Yes...1, No....2 _____ **IF YES, GO TO Q.4 TO OBTAIN DETAILS.**
3. Why did you not take a loan? Main reason **Code (A)** _____ **GO TO Q.10.**

IF THE ANSWER IS YES, to question 2, please give details about these loans. Include those you have paid back, as well as loans you have not paid back as yet.

Loan No.	4. ID Code of person receiving loan	5. When?	6. Source of loan Code (B)	7. Why did you want to obtain a loan? Code (C)	8. Give the amount borrowed. Give amount in Birr; if in kind, please give amount in kind, form of payment and unit.				9. Do/did you have difficulty repaying this loan? YES ...1 NO.....2
					Cash	In kind quantity	In kind Code (D)	Unit Code (E)	
1									
2									
3									
4									
5									

10. SINCE 1999, have you ever given a loan of at least 50 BIRR, in kind or in cash, to another household? YES...1, NO...2 _____ **IF NO, GO TO Q.13. IF YES, GIVE DETAILS BELOW.**

Loan No.	11. When?	12. Amount given. Give amount in Birr or if in kind, give amount in kind, form of payment and unit			
		Amount in birr	Amount in kind	In kind crop Code (D)	Unit Code (E)
1					
2					
3					

13. If you had to borrow ETB 100 today, how much would you have to pay back after one year? -----ETB (that is the sum of ETB 100+interest). ?
14. If you have to borrow ETB 100 today, what will be the maximum sum that you will be willing to pay back in a year from now ?-----ETB (that is the sum of ETB 100+interest). ?
15. If your family had to borrow Birr 100 can you get willing lenders within a week? 1. Yes, 2. No _____
16. How would the family obtain it? (**Code B**)

SECTION 8. LIVESTOCK/POULTRY OWNERSHIP AND INCOME

SECTION 8.1. LIVESTOCK/POULTRY PRODUCTION AND INCOME EARNED

Type of livestock	CODE	1. Number owned and present currently (if none record 0).	2. If you would sell one of the ...[.]. how much would you receive from the sale?	3. Number not owned but cared for	4. Number owned but kept away	5. Did you buy any ..[.]. last year?		6. Did you sell any ..[.]. during the last year?	
						Number bought (if none, write 0)	Total purchase value of all bought	Number sold (if none, write 0)	Total sales value of all sold
Lls/oxen	1								
Young bulls	2								
Cows	3								
Heifer	4								
Calves	5								
Sheep	6								
Goats	7								
Horses	8								
Mules	9								
Donkeys	10								
Hen/chicken	11								
Other(Specify)	12								

7. Do you have beehives? (Yes ...1, No ...2) _____ If Yes how much? _____, If no go →**q. 10.**

8. If you have any honey sold during last 12 months, how much did you earn from it? _____ (in Birr)

CODE A: Place for Keeping Domestic Animals

In the main house.....1
In the kitchen.....2
In the barn.....3
In the open space inside the compound.....4
Other.....9
Specify--

CODE B: Unit (Weight)

Kilograms.....1
Quintal.....2
Chinet.....3
Dawla.....4
Kunna.....5
Medeb.....6
Kurbets.....7
Silicha.....8
Akmada.....9
Esir.....10
Bobo.....11

Baldi.....12
Packets.....14
Pieces.....15
Bars.....16
Boxes.....17
Leaves.....18
Litres.....19
Kil.....20
Gan.....21
Ensira.....22
Gurzigne.....23
Tassa.....24
Kubaya/kelasa.....25
Birchiko.....26
Sini.....27
Gembo.....28
Bottles.....29
Birr.....30
Big madaberia.....31
Small madaberia.....32
Dirib.....33

Sahin/lotery.....34
Mankorkoria.....35
Plastic bag/festal...36
Zurba.....37
Akara.....38
Small plastic bag(mika).....39
Kerchat/kemba.....40
Bunch(bananas).....41
Melekia/lik.....42
Guchiye.....43
Bekole.....44
Enkib.....45
Shekim.....46
Number.....47
Gotera.....48
Lemba.....49
Shirimeri.....50
Egir.....51
Wesla.....52
Mesferia.....53
Kurfo.....54

Kolela.....55
Kesha.....56
Parts/leg(of meat)...57
Yegebeya kimba.....58
Tilik kimba(yegl gel medfia).....59
Bira.....60
Shekim(yewond).....61
Shekim(yeset).....62
Tilik kemba.....95
Bags.....96
Other.....13
(specify)_____

CODE C: Availability Of Grazing Land

Good.....1
Sufficient.....2
Sometimes there is shortage.....3
Always there shortage.....4

Code D: Type of livestock

Bulls/oxen-----1
Young bulls-----2
Cows-----3
Heifer-----4
Calves-----5
Sheep-----6
Goats-----7
Horses-----8
Mule-----9
Donkey-----10

Code E: Source of Grazing

Communal area-----1
Private-----2
State-----3
Open Access-----4
Bought from market-----5
Other -(specify)-----6

CODE F: Season

Kiremt-----1
Bega-----2

Code G: Activities

Fuel wood collection.....1
Dung collection.....2
Fodder collection for sale.....3
Collection of other Non-timber forest products.....4
Monitor forest.....5
Shurab sira.....6
Studying.....7
Other (specify).....8

Code H: Type of management

Rotation-----1
Burning-----2
Slashing-----3
Weeding-----4
Other (specify)-----5

9. How much honey did you produce in the previous year? Amount _____ Unit _____ code (B)

10. Where do you keep domestic animals at night? (Multiple answers are possible)

Place 1: _____, Place 2: _____ Code (A)

11. Who takes care of the livestock? Household member ID code: _____; If not hh member use CODE= 99: _____; Hired labor: (yes=1, No=2): _____

12. How is the availability of grazing land these days? (Code C)

Section 8.1.1: Gross income from the sale of household's animal products during the last year(last 12 months).

Type	CODE	1. Did you sell any . during last 12 months.[...]? YES.....1, NO.....2 , If NO, GO TO NEXT PRODUCT TYPE	2.Amount sold	3. Unit Code (B)	4. Total revenue obtained from the sale of ..[...]??
Hides/skins	10				
Butter	11				
Milk/Cheese/Cream	12				
Eggs	13				
Meat	14				
Other (specify)	15				

5. Did you get any income from hiring out oxen during this *belg* and *meher*? 1=Yes, 2=No _____ If **No**, go the NEXT SECTION.

6. Total amount received (give estimated value in Birr if received in kind) _____

SECTION 8.2. LIVESTOCK GRAZING AND MANAGEMENT

1. Please fill out the following table on livestock grazing and management

ID code of member	1. Livestock Code (D)	2. Source code (E)	3. Season code (F)	4. No. of Trips/ Week	5. Grazing time Spent (hours) per day	6. Other activities while grazing code (G)

7. How long do you have to travel to and from the common lands for animal grazing? _____ Minutes.

8. Do you make any contribution to grazing land management? Yes.....(1), No.....(2), _____

If yes how much did you contribute per annum-----Birr.

9. What type of grazing management do you adopt?(Code H) _____

CODE A: Source Of Water

River.....	1
Stream	2
Pipe.....	3
Protected spring.....	4
Other (specify)	5

CODE B: Season

Kiremt.....	1
Bega.....	2
Other (specify).....	3

CODE C: Unit (Weight)

Kilograms.....	1
Quintal.....	2
Chinet.....	3
Dawla.....	4
Kunna.....	5
Medeb.....	6
Kurbets.....	7
Silicha.....	8
Akmada.....	9
Esir.....	10
Bobo.....	11
Baldi.....	12
Packets.....	13
Pieces.....	14
Bars.....	15
Boxes.....	16

Leaves.....	17
Litres.....	18
Kil.....	19
Gan.....	20
Ensira.....	21
Gurzigne.....	22
Tassa.....	23
Kubaya/kelasa.....	24
Birchiko.....	25
Sini.....	26
Gembo.....	27
Bottles.....	28
Birr.....	29
Big madaberia.....	30
Small madaberia.....	31
Dirib.....	32
Sahin/lotery.....	33
Mankorkoria.....	34
Plastic bag/festal....	35
Zurba.....	36
Akara.....	37
Small plastic bag(mika).....	38
Kerchat/kemba.....	39
Bunch(bananas).....	40
Melekia/lik.....	41
Guchiye.....	42
Bekole.....	43
Enkib.....	44
Shekim.....	45

Number.....	46
Gotera.....	47
Lemba.....	48
Shirimeri.....	49
Egir.....	50
Wesla.....	51
Mesferia.....	52
Kurfo.....	53
Kolela.....	54
Kesha.....	55
Parts/leg(of meat)....	56
Yegebeya kimba.....	57
Tilik kimba(yegl gel medfia)....	58
Bira.....	59
Shekim(yewond).....	60
Shekim(yeset).....	61
Tilik kemba.....	95
Bags.....	96
Other.....	13
(specify).....	

CODE D

Was better-----	1
Was the same-----	2
Was less-----	3

SECTION 9: WATER COLLECTIONS AND PURCHASE

1. ID code of member	2. Source code (A)	3. Season code (B)	4. Trips/week	Quantity/ Trip		7. Travel time (both ways in Minutes)	8. Collection time (Minutes)	9. If purchased, Price/unit in birr
				5. Quantity	6. Quantity Unit code (C)			

10. How do you rate the availability of water used for domestic use before 5 years? _____ (Code D) _____



11. Availability of water for domestic use during this period has 1. Increased 2. Not changed 3. Has reduced

SECTION 10: RISK PREFERENCES

We would now like to know how you would choose between different agricultural plots with different characteristics. Imagine that you have two plots. The production on the plots differ depending on if the rains are good or bad. There are equal chances (50%) of good or bad rains. (Exemplify with a coin that is tossed - head represent bad harvest and tail represent good harvest.) [Enumerator: Circle the number for the choice made for each pair.]

WHICH OF THESE PLOTS WOULD YOU LIKE TO HAVE?



1.a

Bad harvest 80ETB	or	Bad harvest 60ETB
		
Good harvest 240ETB		Good harvest 300ETB

THEN IMAGINE THAT YOU CAN CHOOSE BETWEEN TWO OTHER PLOTS



IF LEFT CHOICE (1.A) THEN ASK

2.a

Bad harvest 80ETB	or	Bad harvest 90ETB
		
Good harvest 240ETB		Good harvest 180ETB


IF RIGHT CHOICE(1.B) THEN ASK

3.a

Bad harvest 60ETB	or	Bad harvest 20ETB
		
Good harvest 300ETB		Good harvest 380ETB

THEN IMAGINE THAT YOU CAN CHOOSE BETWEEN TWO OTHER PLOTS
IF RIGHT CHOICE (2.b) THEN ASK



4.a

Bad harvest 80ETB	OR	Bad harvest 90ETB
		
Good harvest 180ETB		Good harvest 180ETB



4.b

Bad harvest 90ETB	OR	Bad harvest 20ETB
		
Good harvest 180ETB		Good harvest 380ETB

5.a



Bad harvest 20ETB	OR	Bad harvest 0ETB
		
Good harvest 380ETB		Good harvest 140ETB

5.b



Bad harvest 0ETB	OR	Bad harvest 80ETB
		
Good harvest 140ETB		Good harvest 180ETB

THEN IMAGINE THAT YOU CAN CHOOSE BETWEEN TWO OTHER PLOTS
IF RIGHT CHOICE (4.b) THEN STOP ASKING, IF LEFT CHOICE (4.A) THEN ASK

6a

Bad harvest 100ETB	OR	Bad harvest 80ETB
		
Good harvest 100ETB		Good harvest 180ETB

6b

Bad harvest 80ETB	OR	Bad harvest 80ETB
		
Good harvest 180ETB		Good harvest 180ETB