

Appendix 1
FAO-Netherlands Partnership Programme
Seed System Impact on Household Welfare and Agricultural Biodiversity

Household Survey - VISIT 1: August 2002

Introduce yourself and explain the purpose of your visit. Note that the survey is being done by the United Nations, Alemaya University and HCS and the purpose is to understand how rural households live in Ethiopia. Note that there are no right and wrong answers and that no names will be put in the data base.

1	Name of enumerator		
2	Complete name of the household head <i>Include three names of the household head. Questionnaire should be submitted to Head of Household but is meant to inquire about the entire family.</i>		
3	Household head's sex	0=MALE 1=FEMALE	CODE
4	Woreda code		CODE
5	PA code		CODE
6	Household code		CODE
7	Date of Interview (DD/MM/YY) <i>Use Gregorian calendar</i>		____/____/____
8	Time interview started <i>Use Western time</i>		____:____ AM/PM
9	Time interview completed <i>Use Western time</i>		____:____ AM/PM

WOREDAS' CODES:	PAs' CODES			
1=CHIRO	01=Beka Bela 02=Lalo Gudo 03=Ija Fara	04=Oda Moti 05=Odda Roba 06=Welda Jallela	07=Yabdo Shenbko 08=Teyfe	09=Fungendima 10=Yabdobobaku
2=META	01=Itosa Kollo 02=Wolkebdu Misoma 03=Oda Chiafe 04=Chelenko Iola	05=Hawi Bilisuma 06=Biftu Genema 07=Wolenso 08=Bekelcha Oromea	09=Harew 10=Doke 11=Tatayti 12=Chelenk Hara	13=Woltha 14=Elaabro 15=Ifa Jallela 16=Dudela
3=DIRE DAWA	01=Awale	02=Biyo Awale	03=Kalicha	04=Addada

HOUSEHOLD SURVEY NUMBER

Household survey number should result from: first 1 digit: woreda's code; second 2 digits PA's code; and third 3 digits household number. For example, household survey number 101001 means woreda 1 PA 01 and household 001.

SECTION 1. HOUSEHOLD IDENTIFICATION**TABLE 1.1 HOUSEHOLD MEMBERS***We would like to know about you and your family. Can you please tell us about all the members of your family starting with yourself?*

HH MEMBER CODE	1. List the names of all of the members of the household starting with the household head		2. What is the relationship between the household head and each member of the household?	3. What is the sex of the household member?	4. What is the age of the household member?	5. How many years of formal schooling have been completed by this household member?
	FIRST NAME	SECOND NAME	CODE	CODE	YEARS	NUMBER OF YEARS
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						

The house is the unit which eats together and generally shares income and expenses. Household members include anyone that lived in the household for more than three months of the year.

Be sure that the farmers has completed that level of schooling

If no schooling completed put zero

SECTION 2 HOUSEHOLD ASSETS**Can you please tell us about the assets owned by all household members?****TABLE 2.1: AGRICULTURAL ASSETS**

AGRIC. ASSET CODE	AGRICULTURAL ASSET	1. How many of these assets do you own?	2. What is the value of your total portion of the assets?
		<i>If partial ownership put fraction owned</i>	<i>Consider the value if the asset was sold today</i>
		NUMBER	TOTAL BIRR
1	Plow		
2	Dongora		
3	Sickle		
4	Mencha		
5	Hoe/Gesso		
6	Harar spade		
7	Tractor		
8	Axe		
9	Machete/ Konchora		
10	Backpack sprayer		
11	Motorized backpack sprayer		
12	Chisel		
13	Kraal		
14	Stable		
15	Other		

TABLE 2.2 NON-AGRICULTURAL ASSETS

NON- AGRIC. ASSET CODE	NON-AGRICULTURAL ASSET	1. How many of these assets do you own?	2. What is the value of your total portion of the assets?
		<i>If partial ownership put fraction owned</i>	<i>Consider the value if the asset was sold today</i>
		NUMBER	TOTAL BIRR
1	Thermos		
2	Radio		
3	Tape recorder		
4	TV		
5	Kerosene stove		
6	Kerosene lamp (Masho)		
7	Kerosene lamp (Fanos)		
8	Kerosene Lamp (Lamba)		
9	Bed: mattress		
10	Torch/Trika		
11	Stools (Berchuma)		
12	Chairs		
13	Table		
14	Bicycle		
15	Sewing machine		

TABLE 2.3 PRIMARY RESIDENCE

1. For your primary residence, what is the roof made of? 1=TIN 2=GRASS/LEAVES/BAMBOO 3=WOOD/EARTH 4=OTHER (SPECIFY)	2. What is the floor made of? 1=EARTH 2=BRICK 3=BOARD/WOODEN 4=CEMENT/TILE 5=OTHER (SPECIFY)	3. What are the walls made of? 1=EARTH 2=BRICK 3=BOARD 4=CEMENT 5=STONE 6=OTHER (SPECIFY)	4. Are the walls painted? 0=NO 1=YES	5. Does the house have a latrine? 0=NO 1=YES	6. Does the house have electricity access? 0=NO 1=YES	7. How many rooms are there in your house for household members? 0=IN HOUSE/COMPOUND 1=NEARBY WELL/PUBLIC TAP ¹ 2=DISTANT WELL/PUBLIC TAP 3=NEARBY RIVER, SPRING, POND 4=DISTANT RIVER, SPRING, POND	8. What type of water access does the house have? 0=IN HOUSE/COMPOUND 1=NEARBY WELL/PUBLIC TAP ¹ 2=DISTANT WELL/PUBLIC TAP 3=NEARBY RIVER, SPRING, POND 4=DISTANT RIVER, SPRING, POND
CODE	CODE	CODE	CODE	CODE	CODE	NUMBER OF ROOMS	CODE

¹ Nearby means that the source of water is within 1 hour distance round trip while distant means that the source of water takes more than 1 hour to be reached.

TABLE 2.4 LIVESTOCK/ANIMALS

ANIMAL CODE	LIVESTOCK/ ANIMALS	1. How many of these livestock /animals do you own at present? NUMBER	2. If sold today, what would be the value of these livestock/animals? TOTAL BIRR
1	Beef cattle		
2	Dairy cattle		
3	Calf		
4	Heifer		
5	Oxen		
6	Bull		
7	Donkey		
8	Horse		
9	Mule		
10	Camel		
11	Goats		
12	Sheep		
13	Chicken		

SECTION 3: ORGANIZATIONAL AFFILIATION*Can you please tell us about the organizational affiliation of all household members?***TABLE 3.1 HCS**

1. Did you or any member of your HH participate in HCS' regular or multiplication seed program?

0=NO (→2)
1=YES (→3)

2. Why didn't you participate with HCS?

See code sheet NON-PARTICIPATION CODE

TABLE 3.2 ➔

3. How many years ago did you first start collaborating with HCS? <u>Use 0 if started in 2002.</u>	4. Did you collaborate with the regular seed program? 0=NO 1=YES	5. Did you collaborate with the seed multiplication program? 0=NO 1=YES	6. Were any of the varieties you received from HCS new to you? 0=NO 1=YES	7. Was the seed you obtained from HCS of better quality than your own seed? 0=NO (→ 9) 1=YES (→ 8)	8. Why did you think the seed was better? 1=HIGHER GERMINATION RATE, 2=BETTER PEST OR DISEASE RESISTANCE 3=HIGHER YIELD 4=HIGHER MARKET VALUE 5=BETTER FOOD QUALITY 6=BETTER CROP RESIDUALS 7=IMPROVED SOIL ADAPTABILITY 8=EARLY MATURING 9=UNIFORM MATURITY 10=LATE MATURING/LONG SEASON 11=DROUGHT RESISTANT 12=OTHER (SPECIFY) <u>List in order of importance. Maximum three options.</u>	9. Why did you start collaborating with HCS? <u>See code sheet</u>	10. Are you still actively working with the project? 0=NO → 11 1=YES → 12
NUMBER OF YEARS	CODE	CODE	CODE	CODE	CODE 1 st 2 nd 3 rd	PARTICIPATION CODE	CODE

11. Why did you stop collaborating with HCS? <u>See code sheet</u>	12. On average, how many times per year do you or someone in your household attend meetings, or workshops with HCS? STOP COLLABORATION CODE	13. What types of assistance has HCS provided directly to your family? List in order of importance. 1=Sorghum seed provision 2=Wheat seed provision 3=Other seed provision 4=Technical assistance 5=Input provision 6=Training, workshop 7=Other (Specify)	14. For your household, has HCS been beneficial? 0=NO 1=YES	15. Did you have any problem with repayment? 0=NO 1=YES
	NUMBER OF TIMES	CODE 1 st 2 nd 3 rd 4 th 5 th	CODE	CODE

TABLE 3.2 ORGANIZATIONAL CONTACTS (OTHER THAN HCS)

1. Have you or some other member of your family had contact with any technical assistance, extension service or outside organization in the last 10 years up to now?

0=NO (→TABLE 3.3)
1=YES (→2)

ORGANIZATION CODE	NAME	CODE	HH MEMBER CODE FROM TABLE 1.1	NUMBER OF YEARS	NUMBER OF YEARS	CODE	CODE		
							1ST	2ND	3RD
							1ST	2ND	3RD
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									

TABLE 3.3 ASSOCIATIONS**1. Does anyone in your household belong to any form of association or village group?**

0=NO (→TABLE 3.4)
1=YES (→ 2)

ASSOCIATION CODE	2. What is the name of the association/organization?	3. What type of associations/group? 1=FARMERS/PRODUCTION GROUP 2=SELF- HELP (EDIR) GROUP 3=IRRIGATION GROUP 4=WOMEN'S GROUP 5=PEASANT ASSOCIATION 6=SOCIAL GROUP 7=COOPERATIVES 8=POLITICAL GROUP 9=SPORTS GROUP 10=CREDIT GROUP 11=OTHER (SPECIFY)	4. Who participates from your family? <u>Use code listed in the first column of Table 1.1: HH member code</u> <u>If more than one family member participated use different rows per each.</u>	5. For how many years has the household member participated with this group?	6. In general, how often does this group meet? 0=NEVER 1=MORE THAN ONCE A WEEK 2=ONCE A WEEK 3=EVERY SECOND WEEK 4=ONCE A MONTH 5=MORE THAN ONCE A MONTH 5=EVERY TWO MONTHS 6=EVERY THREE MONTHS 7=1-3 TIMES PER YEAR 8=WHEN REQUIRED	7. Has the household member ever had a leadership role in this group? 0=NO 1=YES	
1							
2							
3							
4							
5							
6							
7							

TABLE 3.4 PARTICIPATION, RELIGION, ETHNICITY, KINSHIP

1. Has anyone in the household participated in public works in the community in the last three years? i.e building schools, roads, tree plantation etc.. 0=NO 1=YES	2. Have you as a family exchanged labor with other households on a regular basis in the last three years? 0=NO 1=YES	3. Has anyone in the household ever provided assistance to neighbors in times of need in the last three years? i.e. food, seed, cash, loaned tools... 0=NO 1=YES	4. Do you exchange seeds with a group of farmers on a regular basis? 0=NO 1=YES	5. Is there any specific farmer you could get seeds from in times of emergency? 0=NO 1=YES	6. To what religious group do you belong? 1=MUSLIM 2=CATHOLIC 3=PROTESTANT 4=ORTHODOX 5=OTHER (SPECIFY)	7. With which ethnic/clan group do you identify? 1=OROMO 2=AMHARA 3=SOMALI 4=ISSA 5=AFAR 7=GURGURA 8=OTHER (SPECIFY)
CODE	CODE	CODE	CODE	CODE	CODE	CODE

SECTION 4. LAND IDENTIFICATION**TABLE 4.1 TOTAL LAND OPERATED**

We would like to ask you about all the land your household owns and operates. Can you please identify the different plots of land that your household has operated since January 2002?

		Number of plots		Total Hectares of all plots
1. In total, how many plots and hectares of land do you own? <i>Owned includes land in which the household has long-term usufruct rights</i>	(A1)		(A2)	
2. How many of these plots and how many hectares are rented or loaned out to other farmers? <i>If only a portion of a plot is rented or loaned out treat it as a separate plot and change the number of plots in A1 accordingly</i>	(A3)	—	(A4)	—
3. How many additional plots did you use or rent in but not own since the beginning of 2002? And how many hectares?	(A5)	+	(A6)	+
4. Total plots operated since January 2002	(A7)	=	(A8)	=
	<i>Check that A7=A1- A3+A5</i>	_____	<i>Check that A8=A2-A4+A6</i>	_____

TABLE 4.2 OWNED PLOTS: DESCRIPTION*Let's now move into plots details. Can you please describe all owned plots that we just identified in table 4.1?*

1. Plot Number		2. How many hectares is this plot?	3. Is this plot rented out or loaned out to other farmers? <i>If the plot is only partially rented/loaned then it should be treated as a separate plot here and in table 4.1</i>	4. Is this plot irrigated?	5. What is the texture of the soil of this plot?	6. What is the color of the soil of this plot?	7. How fertile is the soil on this plot?	8. What is the altitude of this plot relative to the village?	9. What is the slope of this plot?	10. How far away is this plot from your home?	
		<i>Write down plots' names if farmers give any or just tick in the row.</i>									
		PLOT CODE	NAMES (B1)	HECTARES (B2)	CODE (B3)	HECTARES (B4)	CODE	CODE	CODE	CODE	TIME REQUIRED TO WALK
OWNED	1		.		.						
	2		.		.						
	3		.		.						
	4		.		.						
	5		.		.						
	6		.		.						
	7		.		.						
	8		.		.						
	9		.		.						
		<i>Check that the total number of rows filled in B1=A1.</i>	<i>Check that the sum of B2=A2</i>	<i>Check that the sum of this column (B3)=A3</i>	<i>Check that the sum of B4=A4</i>	<i>If farmers use or rent in other plots than the ones they own → to Table 4.3., otherwise → to Section 5.</i>					
	_____	_____	_____	_____							

Complete this table only if the HH reported rented in or borrowed land in table 4.1 question n. 3.

TABLE 4.3 PLOTS USED AND RENTED (NOT OWNED): DESCRIPTION

Can you please describe all the plots you use or rent but not own as identified in table 4.1?

1. Plot Number		2. How many hectares is this plot?	3. Is this plot irrigated?	4. What is the texture of the soil of this plot?	5. What is the color of the soil of this plot?	6. How fertile is the soil on this plot?	7. What is the altitude of this plot relative to the village?	8. What is the slope of this plot?	9. How far away is this plot from your home?
RENTED IN	<u>Write down plots' names if farmers give any or just tick in the row</u>		0=NO 1=YES	1=CLAY 2=LOAM 3=SAND 4=SANDY/LOAM 5=SILT	1=BLACK 2=BROWN 3=RED 4=RED/BROWN 5=GREY/BROWN 6=GREY	1=POOR 2=Moderate 3=Good	1=LOWER 2=SAME 3=HIGHER	1=TERRACED 2=GENTLE SLOPE 3=Moderate SLOPE 4=STEEP SLOPE 5=DEPRESSION	TIME REQUIRED TO WALK
	PLOT CODE	NAMES (B5)	HECTARES (B6)	CODE	CODE	CODE	CODE	CODE	MINUTES
	10	.	.						
	11	.	.						
	12	.	.						
	13	.	.						
	14	.	.						
	15	.	.						
	16	.	.						
	17	.	.						
	18	.	.						
<u>Check that the total number of rows filled in B5=A5</u>		<u>Check that the sum of B6=A6</u>							

Complete this table only if the HH reported rented in or borrowed land in table 4.1 question n. 3.

TABLE 4.4 LAND TENURE – AND CONTRACTS IN PRODUCTION

Let's discuss further the plots you rent or use but do not own as identified in the previous section (table 4.3).

1. Plot number and name if available		2. Who is the owner of this plot?		3. For what period is the contract for this plot?		4. What type of contract regulates the land you use/rent?		If Fixed Rent		If Share crop		If Borrowed or other contracts		
<u>Please list all plots as identified in table 4.3. The plot code/number used in the previous section should remain the same.</u>		1=BROTHER OR SISTER 2=OTHER RELATIVE 3=FRIEND OR NEIGHBOUR SAME VILLAGE 4=FRIEND OR ACQUAINTANCE OTHER VILLAGE	1=BELG 2=MEHER 3=1 YEAR 4=1-3 YEARS 5=MORE THAN 3 YEARS	1=FIXED RENT →5 2=SHARE CROP →7 3=BORROWED →11 4=OTHER (SPECIFY) → 11	1=KIND 2=CASH 3=BOTH	5. Is the rent in kind or in cash?	6. What is the amount you have to pay per annum? → SKIP 7-12	7. Who decides on what to plant?	8. What is the share of seeds provided by renter and by the owner?	9. What is the share of other inputs (fertilizers, pesticides, traction)?	10. What is the share of the harvest? → SKIP 11-12	11.What do you offer to the owner for using his/her land?	12. Do you expect to keep the land for foreseeable future?	
PLOT CODE	NAME							1=OWNER 2=RENTER 3=BOTH	RENTER	OWNER	RENTER	OWNER	RENTER	OWNER
10														
11														
12														
13														
14														
15														
16														
17														
18														

SECTION 5: CROP PRODUCTION

TABLE 5.1 FARM PRODUCTION

We are now focusing just on operated land as identified in the previous section.

TABLE 5.2 SORGHUM PRODUCTION: VARIETIES PLANTED BY PLOT

We are now going to focus on sorghum and wheat production in particular. Let's start with sorghum.

(Go back to table 5.1, pick up just plots with sorghum and write them down in the first column with the same code used in table 5.1)

You said that on the following plots you are growing sorghum. Can you please detail which variety of sorghum are you growing in each plot or share of the plot?

TABLE 5.3 SORGHUM PRODUCTION: INPUTS*Please tell us about the inputs used in each stage of production for each plot of sorghum.*

1. Plot <i>Please refer to table 5.1 and select just those plots where farmers are growing sorghum.</i>	A. LAND PREPARATION									
	2. In what month did you prepare the land for this plot? 0=BEFORE JANUARY 1=JANUARY 2=FEBRUARY... 12=DECEMBER	3. How many days of person labor were used for land preparation?	4. Were any of these days paid? 0=NO→6 1=YES	5. How much adult male, adult female and child labor in total was paid (in birr or in kind) for land preparation?			6. How much adult male, adult female and child family or exchange (unpaid) labor in total was used for land preparation? <i>If none put 0</i>	7. How many days of animal labor were used for land preparation? <i>If none put 0</i>	8. How many days of tractor services were used for land preparation? <i>If none put 0</i>	
PLOT CODE	CODE	TOTAL NUMBER OF PERSON DAYS	CODE	ADULT MALE NO OF DAYS	ADULT FEMALE NO OF DAYS	CHILD (<14) NO OF DAYS	ADULT MALE NO OF DAYS	ADULT FEMALE NO OF DAYS	CHILD (<14) NO OF DAYS	NUMBER OF DAYS

1. Plot	B. PLANTING								
	2. How many days of person labor were used for planting?	3. Were any of these days paid? 0=NO→5 1=YES	4. How much adult male, adult female and child labor in total was paid (in Birr or in kind) for planting?			5. How much adult male, adult female and child family or exchange (unpaid) labor in total was used for planting? <i>If none put 0</i>		6. How many days of animal labor were used for planting? <i>If none put 0</i>	7. How many days of tractor services were used for planting? <i>If none put 0</i>
PLOT CODE	TOTAL NUMBER OF PERSON DAYS	CODE	ADULT MALE N OF DAYS	ADULT FEMALE NO OF DAYS	CHILD (<14) N OF DAYS	ADULT MALE N OF DAYS	ADULT FEMALE N OF DAYS	CHILD (<14) NUMBER OF DAYS	NUMBER OF DAYS

TABLE 5.4 WHEAT PRODUCTION: VARIETIES PLANTED BY PLOT**We are now going to focus on wheat.**

(Go back to table 5.1, pick up just plots with wheat and write them down in the first column with the same code used in table 5.1)

You said that on the following plots you are growing wheat. Can you please detail which variety of wheat are you growing in each plot or share of the plot?

1. Plot <i>Refer to table 5.1 and select plots where farmers are growin g wheat.</i>	2. What variety or varieties of wheat did you plant on this plot since January 2002? <i>See code sheet</i>		3. In what month did you plant it? 1=JANUARY 2=FEBRUARY ... 12=DECEMBER	4. How much seed was sowed for this variety on this plot? <i>If none then put 0</i>	5. How much of your own seed of this variety did you plant on this plot? <i>If none then put 0</i>	6. How much seed of this variety did you purchase for this plot (including delayed payment)? <i>If none then put 0 → 9</i>	7. How much did you pay for the purchased seed of this variety?	8. Where did you purchase the seed for this variety? <i>See code sheet</i>	9. How much seed of this variety did you obtain from another source (as a gift, in exchange for labor, etc.) for this plot? <i>If none then put 0 → last column</i>	10. Where did you obtain the seed for this variety? <i>See code sheet</i>	11. What did you have to provide in return for this seed?	CHECK TO VERIFY THAT COLUM NS 5+6+9= 4			
	PLOT CODE	NAME											VARIETY CODE	CODE	KG

TABLE 5.5 WHEAT PRODUCTION: INPUTS*Please tell us about the inputs used in each stage of production for wheat.*

1. Plot <i>Please refer to table 5.1 and select just those plots where farmers are growing wheat</i>	A. LAND PREPARATION										
	2. In what month did you prepare the land for this plot? 0=BEFORE JANUARY 1=JANUARY 2=FEBRUARY... 12=DECEMBER	3. How many days of person labor were used for land preparation?	4. Were any of these days paid? 0=NO→6 1=YES	5. How much adult male, adult female and child labor in total was paid (in birr or in kind) for land preparation?			6. How much adult male, adult female and child family or exchange (unpaid) labor in total was used for land preparation? <i>If none put 0</i>		7. How many days of animal labor were used for land preparation? <i>If none put 0</i>	8. How many days of tractor services were used for land preparation? <i>If none put 0</i>	
PLOT CODE	CODE	TOTAL NUMBER OF PERSON DAYS	CODE	ADULT MALE NO OF DAYS	ADULT FEMALE NO OF DAYS	CHILD (<14) NO OF DAYS	ADULT MALE NO OF DAYS	ADULT FEMALE NO OF DAYS	CHILD (<14) NO OF DAYS	NUMBER OF DAYS	NUMBER OF DAYS

1. Plot	B. PLANTING									
	2. How many days of person labor were used for planting?	3. Were any of these days paid? 0=NO→5 1=YES	4. How much adult male, adult female and child labor in total was paid (in Birr or in kind) for planting?			5. How much adult male, adult female and child family or exchange (unpaid) labor in total was used for planting? <i>If none put 0</i>		6. How many days of animal labor were used for planting? <i>If none put 0</i>	7. How many days of tractor services were used for planting? <i>If none put 0</i>	
PLOT CODE	TOTAL NUMBER OF PERSON DAYS	CODE	ADULT MALE N OF DAYS	ADULT FEMALE NO OF DAYS	CHILD (<14) N OF DAYS	ADULT MALE N OF DAYS	ADULT FEMALE N OF DAYS	CHILD (<14) NUMBER OF DAYS	NUMBER OF DAYS	NUMBER OF DAYS

SECTION 6. SEED SYSTEMS AND VARIETY DESCRIPTIONS**TABLE 6.1 SORGHUM VARIETIES***Please tell us more about the sorghum varieties you have planted this year.*

SORGHUM VARIETY			VARIETY ADVANTAGES CODE			VARIETY DISADVANTAGES CODE			CODE	NUMBER OF YEARS	CODE	SOURCE CODE	CODE	CODE	SOURCE CODE	CODE	CODE	SOURCE CODE
NO.	NAME	CODE	1 ST	2 ND	3 RD	1 ST	2 ND	3 RD										
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Please refer to sorghum varieties listed in table 5.2 question 2

Maximum three options
See code sheet

Maximum three options
See code sheet

1=IMPROVED
2=TRADITIONAL
3=MIXED

We are referring to variety and not seeds

0=NO
1=YES

See code sheet

1=MALE
2=FEMALE
3=BOTH

0=NO
1=YES

See code sheet

0=NO (→14)
1=YES (→12)

1=POOR SEED QUALITY
2=REDUCED YIELD
3=LOST STORED SEED
4=INCREASED SUSCEPTIBILITY TO PEST
5=NO RAIN/DID NOT GERMINATE
6=OTHER (SPECIFY)

See code sheet

TABLE 6.1 SORGHUM (continued)

<i>List AGAIN the variety name and code of sorghum as listed in the previous page</i>		14. Did you retain, renew or use a combination of both retained and new seeds of this variety last planting season?	NOT RETAINED (RENEWED) LAST PLANTING SEASON						RETAINED LAST PLANTING SEASON						
			15. How did you acquire it?	16. How far away from your home is the seed source?	17. How did you transport the seed?	18. Is there a source you would prefer to get the seed from?	19. What is the preferred alternative source?	20. Why didn't you use this alternative source?	21. Who selects the seeds for this variety?	22. When do you select the seed for this variety?	23. What are the physical characteristics the selector looks at in selecting the seed				
1=RENEWED→ 15	1=PURCHASED	TIME REQUIRED TO WALK	1=OWNED DONKEY	0=NO → 21 (<i>if retained seed</i>) <i>otherwise skip 19-23</i>	<i>See code sheet</i>	1=TOO EXPENSIVE 2=TOO FAR/ COULDN'T TRANSPORT 3=COULDN'T GET CREDIT 4=DIDN'T KNOW THE RIGHT PERSON 5=WAS UNABLE TO PAY LOAN BACK 6=OTHER (SPECIFY)	1=MALE 2=FEMALE 3=BOTH	1=IN THE FIELD/ BEFORE HARVEST 2=AT HARVEST 3=AFTER HARVEST/AT THRESHING 4=DURING STORAGE	<i>Maximum three options</i> <i>See code sheet</i>						
2=RETAINED→ 21	2=LOAN		2=HIRED DONKEY												
3=BOTH→15+ 21	3=EXCHANGE		3=CARRYING WHILE WALKING												
	4=GIFT		4=OTHER (SPECIFY)												
	5=OTHER (SPECIFY)														
PHYSICAL CHARACTERISTICS CODE															
NO.	NAME	CODE	CODE	CODE	MINUTES	CODE	CODE	SOURCE CODE	CODE	CODE	CODE	CODE	1 ST	2 ND	3 RD
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															

TABLE 6.2 WHEAT VARIETIES*Please tell us more about the wheat varieties you have planted this year.*

<p>1. List wheat varieties planted this year since January 2002.</p> <p><i>Please refer to wheat varieties listed in table 5.2 question 2</i></p>			<p>2. What characteristics of this variety do you like most?</p> <p><i>Maximum three options</i> <i>See code sheet</i></p>			<p>3. What characteristics of this variety don't you like?</p> <p><i>Maximum three options</i> <i>See code sheet</i></p>			<p>4. Do you consider this variety improved, traditional, or mixed?</p> <p>1=IMPROVED 2=TRADITION AL 3=MIXED</p>			<p>5. For how many years have you been planting this variety?</p> <p><i>We are referring to variety and not seeds</i></p>			<p>6. Do you plant this variety every year even under different rainy conditions?</p> <p>0=NO 1=YES</p>			<p>7. Where did you hear about this variety the first time?</p> <p><i>See code sheet</i></p>			<p>8. Who decided about planting this variety?</p> <p>1=MALE 2=FEMALE 3=BOTH</p>			<p>9. Have you always been able to get the seed of this variety when you wanted it?</p> <p>0=NO 1=YES</p>			<p>10. Where did you get the seed for this variety the first time?</p> <p><i>See code sheet</i></p> <p>0=NO (→14) 1=YES (→12)</p>			<p>11. In the years you've planted this variety, have you renewed it or replaced it from sources other than your own harvest?</p>			<p>12. What is the main reason you decided to replace the seed for this variety?</p>			<p>13. What was the primary source you used to renew or replace the variety?</p>		
WHEAT VARIETY			VARIETY ADVANTAGES CODE			VARIETY DISADVANTAGES CODE			CODE	NUMBER OF YEARS	CODE	SOURCE CODE	CODE	CODE	SOURCE CODE	CODE	CODE	CODE	CODE	CODE	CODE	CODE	CODE															
NO.	NAME	CODE	1 ST	2 ND	3 RD	1 ST	2 ND	3 RD																														
1																																						
2																																						
3																																						
4																																						
5																																						
6																																						
7																																						
8																																						
9																																						
10																																						

TABLE 6.2 WHEAT (continued)

<u>List AGAIN the variety name and code of wheat as listed in the previous page</u>			14. Did you renew, retain or use a combination of both retained and new seeds of this variety last planting season?	NOT RETAINED (RENEWED) LAST PLANTING SEASON						RETAINED LAST PLANTING SEASON					
			15. How did you acquire it?	16. How far away from your home is the seed source?	17. How did you transport the seed?	18. Is there a source you would prefer to get the seed from?	19. What is the preferred alternative source?	20. Why didn't you use this alternative source?	21. Who selects the seeds for this variety?	22. When do you select the seed for this variety?	23. What are the physical characteristics the selector looks at in selecting the seed	<u>Maximum three options</u> <u>See code sheet</u>			
1=RENEWED→ 15 2=RETAINED→ 21 3=BOTH→15+ 21	1=PURCHASED 2=LOAN 3=EXCHANGE 4=GIFT 5=OTHER (SPECIFY)	TIME REQUIRED TO WALK	1=OWNED DONKEY 2=HIRED DONKEY 3=CARRYING WHILE WALKING 4=OTHER (SPECIFY)	0=NO → 21 (<i>if retained seed</i>) <i>otherwise skip 19-23</i> 1=YES→19	<i>See code sheet</i>	1=TOO EXPENSIVE 2=TOO FAR/ COULDN'T TRANSPORT 3=COULDN'T GET CREDIT 4=DIDN'T KNOW THE RIGHT PERSON 5=WAS UNABLE TO PAY LOAN BACK 6=OTHER (SPECIFY) <i>If retained some seed →21 otherwise →skip 21-23</i>	1=MALE 2=FEMALE 3=BOTH	1=IN THE FIELD/ BEFORE HARVEST 2=AT HARVEST 3=AFTER HARVEST/AT THRESHING 4=DURING STORAGE	<u>PHYSICAL CHARACTERISTICS CODE</u>						
NO.	NAME	CODE	CODE	CODE	MINUTES	CODE	CODE	SOURCE CODE				CODE	CODE	CODE	CODE
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															

TABLE 6.3: VARIETIES PLANTED IN THE PAST UNDER DIFFERENT RAINY CONDITIONS

1. Did you plant different varieties of sorghum and wheat other than the ones you have planted this year under different rainy conditions over the past five years?

0=NO (→ TABLE 6.4)

1=YES (→ 2)

2. Can you list these different varieties of (name of crop) that you would have planted under different conditions? <i>See code sheet varieties code</i>		3. Under what kind of rainy conditions did you plant this variety?		4. Do you consider this variety improved, traditional, or mixed?		5. Where did you hear about this variety the first time?		6. Have you always been able to get the seed of this variety when you wanted it?		7. Where did you get the seed for this variety the first time?		8. Where did you get the seed for this variety last time you planted it?		9. In the years you've planted this variety, have you renewed or replaced it from sources other than your own harvest?		10. What is the main reason you decided to replace the seed?		11. What was the primary source you used to renew or replace the variety? <i>See code sheet</i>	
		STARTING TIME OF RAIN	QUANTITY OF RAIN	1=IMPROVED 2=TRADITIONAL 3=MIXED		<i>See code sheet</i>		0=NO 1=YES	<i>See code sheet</i>		<i>See code sheet</i>		0=NO (→ TABLE 6.4) 1=YES (→ 10)		1=POOR SEED QUALITY 2=REDUCED YIELD 3=LOST STORED SEED 4=INCREASED SUSCEPTIBILITY TO PEST 5=NO RAIN/DID NOT GERMINATE 6=OTHER (SPECIFY)		<i>See code sheet</i>		
		1=EARLIER RAIN 2=SAME RAIN 3=LATER RAIN	1=LESS 2=SAME 3=MORE																
SORGHUM AND WHEAT VARIETY CODES		CODE	CODE	CODE		SOURCE CODE		CODE	SOURCE CODE		SOURCE CODE		CODE		CODE		SOURCE CODE		
SORGHUM	1																		
	2																		
	3																		
	4																		
	5																		
	CODE=1	6																	
WHEAT	1																		
	2																		
	3																		
	4																		
	5																		
	CODE=2	6																	

TABLE 6.4: VARIETIES THAT YOU WOULD LIKE TO PLANT**1. Are there any varieties of sorghum and/or wheat that you would like to plant or are planning to plant?**

0=No (➔ TABLE 6.5)
1=YES (➔ 2)

2. Which varieties of sorghum or wheat would you like to plant if you had the chance?

See code sheet

3. What are the three main reasons why you would like to plant this variety?

See code sheet
Maximum three reasons

VARIETY ADVANTAGES CODE

SORGHUM AND WHEAT VARIETY
NAME CODE

1ST REASON 2ND REASON 3RD REASON

4. Why didn't you plant this variety?

1=COULDN'T FIND
2= THERE'S NO
AVAILABILITY HERE NEED
TO GO FAR AWAY
3= TOO EXPENSIVE
4= DON'T HAVE ENOUGH
LAND
5= I DIDN'T KNOW ABOUT IT
BEFORE PLANTING;

CODE

5. How do you know about this variety?

See code sheet

SOURCE CODE

Sorg hum CODE=	1					
	1					
	2					
	3					
	4					
	5					
	6					
Wheat CODE=	1					
	2					
	3					
	4					
	5					
	6					

TABLE 6.5 RAINFALL PATTERN.

1. According to your expectations, did the first rain come on time to the fields this year (2002) for Belg and for Meher?

0=NO RAIN
1=EARLY
2=NORMAL
3=LATE

2. Was there enough rain on your field at the beginning of Belg and Meher planting season?

0=NONE
1=LITTLE
2=NORMAL
3=EXCESSIVE

3. How do you judge this year production conditions as regard to the rain?

1=VERY BAD
2=BAD
3=MEDIUM
4=GOOD
5=VERY GOOD

BELG CODE	MEHER CODE	BELG CODE	MEHER CODE	CODE

END OF VISIT 1: Thank the farmer!

Checklist

Put an X in each cell and sign below

Item to check	Enumerator	Team leader
Did you write the date, time the interview began and the time completed on the cover page using the Gregorian calendar and Western time?		
Did you completely fill Tables 2.1, 2.2, 2.3, 2.4, 3.4 and 6.5 putting zeroes when appropriate?		
Did you complete Tables 3.1, 3.2, 3.3, 6.3 and 6.4 if the answer to question 1 was YES? Did you leave these tables blank if the answer to question 1 was NO?		
Did you complete the checks on Tables 4.1, 4.2 and if rented in plots 4.3?		
Did you convert timad and other local area measures into hectares in Tables 4.1, 4.2, 4.3, ?		
Did you fill Tables 4.3 and 4.4 only if there was a rented in or borrowed plot?		
Did you check the last column of Table 5.2 and 5.4 to confirm that the total KGs of seed added up?		
Did you convert local measures of weight into KGs, particularly in Tables 5.2 and 5.4?		
If you used the code “other” for a question, did you write the answer in the appropriate cell, particularly for the varieties in Tables 5.2 and 5.4?		
Does the number of person days in question 3 of Tables 5.3A and 5.5A match the person days reported in questions 5 and 6? Does the number of person days in question 2 of Tables 5.3B and 5.5B match the person days reported in questions 4 and 5?		

Signature verifying the accuracy of the survey

Enumerator

Team leader

FAO-Netherlands Partnership Programme Household Survey, VISIT 1: August 2002, CODE SHEET

Non-participation code	Sorghum variety codes			Wheat variety codes	Months
1=DIDN'T KNOW ABOUT IT	01=ABDELOTA 'ALAA'	19=MASUGI DIIMA	36=WACHEELA	1=BOOHAI	0=BEFORE JANUARY 2002
2=WAS NOT PERMITTED TO JOIN	02=AHMED ISEE	20=MEKO (IMPROVED)	37=WAHELU	2=COCORIT-71	1=JANUARY (TIR)
3=WAS NOT INTERESTED	03=ALISO	21=MESENGO	38=WORABI	3=DERESELIGN	2=FEBRUARY (YEKATIT)
4=TOO MANY PARTICIPANTS	04=AMAJIGTA	22=MUYERA	39=YEMENI	4=ENKOY	3=MARCH (MEGABIT)
5=DIDN'T HAVE ENOUGH LAND	05=CHALEE	23=MUYERA ALISO	40=76 TI#23 (MV)	5=FETAN	4=APRIL (MIAZIA)
6=DIDN'T LIKE THEIR SEEDS	06=CHEKORE	24=MUYERA CHEKORE	41=OTHER (SPECIFY)	6=GERARDO	5=MAY (GINBOT)
7=DIDN'T LIKE THEIR VARIETIES	07=DASLEE	25=MUYERA RED		7=HAR 604 (GALAMA)	6=JUNE (SENIE)
8=TOO MANY MEETINGS	08=DIMA	26=MUYRA DINI		8=HAR 710 (WABE)	7=JULY (HAMLE)
9=OTHER (SPECIFY)	09=DINI	27=QILLEE		9=HAR 1407 (TUSIE)	8=AUGUST (NELASIE)
Participation code	10=FENDISHA	28=QIRIMINDAHI		10=HAR 1522	9=SEPTEMBER (MESKEREM)
1=BETTER QUALITY SEEDS	11=FESHE	29=QIRIMINDAHI 'BLUE'		11=HAR 1595	10=OCTOBER (TIKMET)
2=COULDN'T GET SEEDS FROM OTHER SOURCES	12=FILATTA	30=QIRIMINDAHI 'ORANGE'		12=HAR 1685 (KUBSA)	11=NOVEMBER (HIDAR)
3=BETTER VARIETY	13=GAMBELLA (MV)	31=QIRIMINDAHI 'RED'		13=HAR 1668 (SHINNA)	12=DECEMBER (TAHISAS)
4=GOOD INTEREST RATE	14=GELDI	32=SARUDE (MV)		14=MAMBA	
5=BETTER HARVEST	15=IS 9302 (MV)	33=SARUDE ADII (MV)		15=PAVON 76	
6=BETTER RESISTANCE TO STRESS	16=JAMMAL ABDALLA	34=SARUDE DIIMA (MV)		16=OTHER (SPECIFY)	
7=OTHER (SPECIFY)	17=MASUGI ADII	35=TEJO			
Stop collaboration	Source code	Physical characteristics		Variety advantages	Variety disadvantages
1=REACHED THE MAXIMUM AMOUNT OF TIME ALLOWED	1=RETAINED/FAMILY HERITAGE	1=SIZE OF HEADS	0=NO ADVANTAGES	0=NO DISADVANTAGES	
2=COULD NOT REPAY THE LOAN	2=RELATIVE	2=COLOUR	1=GOOD YIELD IN GRAIN	1=BAD YIELD IN GRAIN	
3=FOUND BETTER VARIETY	3=FRIEND/NEIGHBOR SAME VILLAGE	3=HEIGHT OF PLANT	2=GOOD YIELD IN RESIDUALS	2=BAD YIELD IN RESIDUALS	
4=FOUND BETTER QUALITY SEEDS	4=FRIEND/ACQUAINTANCE OTHER VILLAGE	4=SIZE OF SEEDS	3=GOOD FODDER QUALITY	3=BAD FODDER QUALITY	
5=TECHNICAL ASSISTANCE WAS TOO SCARCE	5=REGULAR SEED SUPPLIER	5=COMPACTNESS OF THE HEAD	4=GOOD GRAIN QUALITY	4=BAD GRAIN QUALITY	
6=DIDN'T LIKE THE QUALITY OF SEEDS	6=VILLAGE MARKET	6=NOT AFFECTED BY PEST/DISEASE	5=TASTE OF FOOD, CONSUMPTION QUALITY	5=BAD TASTE OF FOOD AND CONSUMPTION QUALITY	
7=DIDN'T LIKE THE VARIETY	7=OTHER MARKET	7=NOT ATTACKED BY BIRDS	6=COOKING OR PROCESSING QUALITY	6=COOKING OR PROCESSING QUALITY	
8=THE HARVEST WAS TOO SCARCE	8=GOVERNMENT EXTENSION PACKAGE	8=NOT AFFECTED BY WEEDS	7=GOOD MARKET ACCEPTANCE	7=BAD MARKET ACCEPTANCE	
9=NOT INVITED FOR FURTHER PARTICIPATION	9=GOVERNMENT SUPPORT	9=OWN/OWNLESS	8=RESISTANCE TO DROUGHT	8=NOT RESISTANT TO DROUGHT	
10=OTHER (SPECIFY)	10=LANDOWNER (IF RENTED LAND)	10=BREAD QUALITY	9=RESISTANCE TO FROST	9=NOT RESISTANT TO FROST	
Crop Codes	11=HCS	11=LODGING/NONLODGING	10=RESISTANCE TO PEST	10=NOT RESISTANT TO PEST	
1=Sorghum	12=LWF	12=TILLERING	11=DISEASE RESISTANCE	11=NOT RESIST TO DISEASE	
2=Wheat	13=CARE	13=WEIGHT OF HEAD	12=WEEVIL RESISTANT IN STORAGE	12=NOT WEEVIL RESISTANT IN STORAGE	
3=Maize	14=CISP	14=HEAD TYPE-LOOSE/COMPACT	13=RESISTANT TO BIRD ATTACK	13=NOT RESISTANT TO BIRDS ATTACK	
4=Barely	15=OTHER NGOS;	15=OTHER (SPECIFY)	14=GOOD ADAPTABILITY	14=POOR ADAPTABILITY	
5=Haricot Bean	16=OTHER (SPECIFY)		15=EASY TO THRESH	15=DIFFICULT TO THRESH	
6=Chick Pea			16=EARLY MATURITY	16=LATE MATURITY	
7=Millet			17=LATE MATURITY	17=EARLY MATURITY	
8=Teff			18=UNIFORM MATURITY	18=NOT UNIFORM MATURITY	
9=Chat			19=OTHER (SPECIFY)	19=OTHER (SPECIFY)	
10=Forest					
Conversion factors					
1 HECTARE=8 TIMADS					
1 SMALL KUNNA=5 KG					
1 LARGE KUNNA (SEFI)=25 KG					
1 TANIKA=20 KG					