

**APPENDIX IV**

**QUESTIONNAIRE**

Part 1 - Identification Particulars									
1		2		3		4		5	
Region		Zone		Wereda		Farmers' Association		Enumeration Area	

[illegible]

	Name	Signature	Date
Enumerator's			
Supervisor's			
Branch Office Head			

### 3. Random Start

118

## Part II – List of Households, Agricultural Holders and order of selection

[illegible]

	Name	Signature	Date
Enumerator's			
Supervisor's			
Branch Office Head			

1.Total Number of Agricultural Households\_\_\_\_\_

## 2. Random Interval \_\_\_\_\_

### 3. Random Start \_\_\_\_\_

\_\_\_\_\_ Page(s) out of \_\_\_\_\_ pages

Part I - Identification Particulars									
1		2		3		4		5	
Region		Zone		Wereda		Farmers' Association		Enumeration Area	

[illegible]

	Name	Signature	Date
Enumerator's			
Supervisor's			
Branch Office Head			

120

## Part II – List of Selected Agricultural Households and Holders

[illegible]

	Name	Signature	Date
Enumerator's			
Supervisor's			
Branch Office Head			

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CENTRAL STATISTICAL AUTHORITY  
ETHIOPIAN AGRICULTURAL SAMPLE SURVEY 2010/2011 (2003 E.C)

## PART I – IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Region	Zone	Wereda	PA / REST.AR	EA LOCAL	HH ID	HH HEAD SEX 1=M 2=F	HOLDER ID	HOLDER'S		SEX M=1 F=2	HIGHEST GRADE COMPLETED	HOLDER'S HH SIZE	FARMING TYPE CROP=1 LIVEST=2 BOTH=3
								NAME	AGE				

## PART II – CROP FIELD / OTHER LAND USE

15	16						17						
SER. NO.	QUESTIONS FOR THE HOLDER						PARCEL NO.		FIELD NO.				
							IS THE FIELD PURE STAND =1						
							MIXED CROP =2				OTHER LAND USE=3		
							CROP/OTHER NAME		CROP NAME		CROP NAME		
							CODE		CODE		CODE		
0	1	Ownership Own = 1 Rented in =2 Other =3											
0	2	Is field under Extension Program? Yes =1 No = 2											
0	3	Is Field Irrigated? Yes =1 No =2											
0	4	If Field Irrigated source of water River =1 Lake =2 Pond =3 Harvested water =4 other =5											
0	5	Is Field Prevented form Erosion Yes = 1 No =2											
0	6	If yes in #5, common way of prevention Terracing = 1 Other =5 Water catchments =2 Afforestation = 3 Plough along the cont. = 4											
0	7	Percent share of mixed crops											
0	8	Number of Fruit Trees (excluding chat, pineapple, sugarcane)											
0	9	Number of Fruit Bearing Trees (excluding chat, pineapple, sugarcane)											
1	0	Percentage share of Fruit Bearing Trees (excluding chat, pineapple, sugarcane)											
1	1	Seed / Seedling Type Improved Seed = 1 indigenous seed = 2											
		For Cereals, Pulses & Oilseeds only						Kilo	Gram	Kilo	Gram	Kilo	Gram
1	2	Quantity of improved seeds used											
		For Cereals, Pulses & Oilseeds only						Birr	Cents	Birr	Cents	Birr	Cents
1	3	Price of improved seeds used											
		For Cereals, Pulses & Oilseeds only						Kilo	Gram	Kilo	Gram	Kilo	Gram
1	4	Quantity of indigenous seeds used											
1	5	Was crop damaged ? Yes = 1 No =2											
		If yes in question number 14, Cause of damage											
1	6	Code											
1	7	Percent of damaged crop											
1	8	Prevention/precaution measure taken? Yes =1 No =2											
1	9	Type of measure if any? Chemical = 1 Non – chemical = 2 Both = 3											
		Chemical type used if any Pesticide =1 herbicide =2 Fungicide =3 1&2 = 4 1 & 3 = 5 2 & 3 = 6 All = 7											
2	0	Is Fertilizer Used? Yes =1 No = 2											
2	2	Type of fertilizer used if any? Natural = 1 Chemical = 2 Both = 3											
		If chemical fertilizer used											
		23.1 Type UREA = 1 DAP = 2 Both = 3											
								Kilo		Gram			
2	3	23.2 Quantity of chemical fertilizer used											
		If natural fertilizer used, type											
		Manure = 1 Compost = 2 Organic = 3 1 & 2 = 4 1&3 = 5 2 & 3 = 6 All = 7 others = 8											
2	4												
2	5	How often is temporary crop field used in Meher (main) season?											
		If twice in #24 which crop is the 2 <sup>nd</sup> harvest?						Crop name	code	Crop name	code	Crop name	code
2	6												
2	7	What was the previous state of the field ? Fallow =1 crop field =2 Virgin =3 Rented in cropfield =4 other =5											

### PART 3A: RESULTS OF AREA MEASUREMENTS using GPS

18	19	20	21	22	23	24	25
GPS Accuracy during field measurem ent	Is the field measured? yes =1 No =2 →						Comments
	Area of measured field		Is the field Flat =1 Partially Sloppy = 2 Sloppy = 3	Code	If the field covered? None = 1 With plant / permanent crop = 2 With house = 3 Partially covered = 4 Others = 5	Code	
	Area in square meters (Clockwise)	Area in square meters (Anti-Clockwise)					
Field measurement			Date		Month		

### PART 3B – RESULTS OF AREA MEASUREMENTS USING COMPASS-ROPE

18	19	20	21	22	23	24	25	26
Is the field measured? Yes =1 No = 2 Code →								
Side	1 - 2	2 - 3	3 -	4 -	5 -	6 -	7 -	8 -
Bearing (0)								
Length								
Side	9 -	10 -	11 -	12 -	13 -	14 -	15 -	16 -
Bearing(0)								
Length								
Side	17 -	18 -	19 -	20 -	21 -	22 -	23 -	24 -
Bearing (0)								
Length								
Side	25 -	26 -	27 -	28 -	29 -	30 -	31 -	32 -
Bearing (0)								
Length								
Field Measurement	date	month	Closure error		Area in square meters			
For fields selected	Selected corner number		Shortest side length		Random number			
For crop cutting	Shortest side Bearing		Longest side length		Random number			

	Name	Signature	Date
Data collector			
Field Supervisor			

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## PART II – MISCELLANEOUS QUESTIONS FOR THE HOLDER

15	16	17
SER.NO.	QUESTIONS	CODE
1	Do you exercise crop rotation on your land holding? Yes = 1 No = 2	
2	Reason for not using chemical fertilizers on any one of your crop fields Ignorance = 1 High price = 2 Lack of Money = 3 Non – availability of supply = 4 lack of credit service = 5 Skeptical of the outcome = 6 Others (specify) = 7	
3	Reason for not participating in Extension Program Ignorance = 1 Lack of Money = 2 Skeptical of the outcome = 3 Non – availability of the program = 4 Lack of adequate crop fields = 5 Others (specify) = 6	
4	Do you get credit services? Yes = 1 No = 2	
5	If no in # 4 Why? Non availability of the service = 1 Unable to pay the loan = 2 Inadequate services provided = 3 Ignorance = 4 Does not yield any results = 5 Others = 6	
6	Do you get advisory services? Yes = 1 No = 2	
7	If no in # 6 Why? Non availability of the service = 1 Inadequate services provided = 2 Inadequate services provided = 2 Ignorance = 3 Does not yield any results = 4 Others = 5	
8	Your major supplier of fertilizer is Government organizations = 1 Private organizations = 2 Merchants = 3 Others (Specify) = 4 Never used fertilizer = 5	
9	Total Chemical fertilizers (Urea+Dap) purchased for main season in 2003 E.c ( it includes gifts, loans, supports)	Killo gram
9.1	Total Dap fertilizers purchased for main season in 2003 E.c ( it includes gifts, loans, supports)	
9.2	Total Urea fertilizers purchased for main season in 2003 E.c ( it includes gifts, loans, supports)	
10	How many oxen do you have in this Meher season?	
11	If you have one or no ox how do you plough? By renting ox = 1 By pairing mine with someone's ox = 2 By pairing mine with cow/ horse = 3 Using horses or cows = 4 Hand digging = 5 Using borrowed oxen = 6 others = 7	
12	Total number of fields recorded for the holder	
13	Total number of crop fields recorded for the holder	
14	Has the holder ploughed additional fields over that of the previous year? Yes = 1 No = 2	
15	If yes in question # 13, what was the previous state of the additional fields? Holder's virgin land = 1 Public/ Community virgin land = 2 Borrowed fallow land = 3 Other = 4	



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## Part I – Identification Particular

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Region	Zone	Wereda	Farmers' Association	E.A	Household ID	Household Head Sex M = 1 F = 2	Holder ID	Holder's			Educational Level Highest grade Completed	Household Size	Holding type Crop = 1 Livestock = 2 Both = 3
								Name	Age	Sex M = 1 F = 2			

## Part II – List of temporary crop fields for selecting crop cutting plots

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Parcel No.	Field No.	Crop name	code	Crop name																			
				Field No.	Selected Field No.	Field No.	Selected Field No.	Field No.	Selected Field No.	Field No.	Selected Field No.	Field No.	Selected Field No.	Field No.	Selected Field No.	Field No.	Selected Field No.	Field No.	Selected Field No.	Field No.	Selected Field No.	Field No.	Selected Field No.

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