Ethiopia

Central Statistical Agency, Ministry of Finance and Economic Development

Agricultural Sample Survey 2010-2011 (2003 E.C)

Study Documentation

June 6, 2011

Metadata Production

Metadata Producer(s)	Central Statistical Agency (CSA) , Ministry of Finance and Economic Development , Production and documentation of the study
Production Date	April 25, 2011
Version	Version 1.0
Identification	DDI-ETH-CSA-AgSS-2010-v1.0

Table of Contents

Ethiopia (2010-2011)
Agricultural Sample Survey 2010-2011 (2003 E.C) (AgSS 2010-2011)

Overview

Type	Agricultural Survey [ag/oth]
Identification	ETH-CSA-AgSS-2010-v1.0
Version	Version 1.0: Edited and non anonymized dataset, for internal use only.

Abstract

The general objective of CSA's Agricultural Sample Survey (AgSS) is to collect basic quantitative information on the country's agriculture that is essential for planning, policy formulation, monitoring and evaluation of mainly food security and other agricultural activities. The AgSS is composed of four components: Crop Production Forecast Survey, Meher Season Post Harvest Survey (Area and production, land use, farm management and crop utilization), Livestock Survey and Belg Season Survey.

The specific objectives of Meher Season Post Harvest Survey are to estimate the total crop area, volume of crop production and yield of crops for Meher Season agriculture in Ethiopia. The report is based on private peasant holdings in rural sedentary areas of the country and part of companion reports on the performance of agriculture in the country. The report is compiled at regional and zonal level.

Kind of Data	Sample survey data [ssd]
Unit of Analysis	Agricultural household/ Holder/ Crop

Scope & Coverage

Scope

The scope of annual Agricultural Sample Survey included:
- Area identification and characteristics of agricultural holder's. This included household's geographic locations, holder's age, holder's sex and educational status.
- List of fields and agricultural practices for pure stand and mixed crops.
- List of permanent crops and number of tress.
- Records of quantity of improved seed, fertilizers and information on crop protection.
- Records of results of area measurements.
- List and selection of fields for crop cutting and details of record of crop cutting.

The range of data items that the 2010/11 (2003 E.C.) Annual Agricultural Sample Survey (Meher Season) dealt with includes all cereals, pulses and oilseeds and the most commonly grown vegetables, root crops and permanent (perennial) crops. Holders growing at least one or more of these and / or other crops are enumerated and data on crop area and yield condition recorded, hence data on production of these crops acquired.

The 2010/11 (2003 E.C.) Annual Agricultural Sample Survey (Meher season) covered the entire rural parts of the country except the non-sedentary population of three zones of Afar & six zones of Somali regions.

Geographic Coverage

The 2010/11 (2003 E.C.) Annual Agricultural Sample Survey (Meher season) covered the entire rural parts of the country except the non-sedentary population of three zones of Afar & six zones of Somali regions.

To be covered by the survey, a total of 2,280 Enumeration Areas (EAs) were selected. However, due to various reasons that are beyond control, in 25 EAs the survey could not be successful and hence interrupted. Thus, all in all the survey succeeded to cover 2,236 EAs (98.5 %) throughout the regions. The Annual Agricultural Sample survey (Meher season) was conducted on the basis of 20 agricultural households selected from each

EA. Regarding the ultimate sampling units, it was intended to cover a total of 45,600 agricultural households, however, 44,871 (98.3 %) were actually covered by the survey.

Universe
Agricultural households

Producers & Sponsors

Primary Investigator(s)	Central Statistical Agency, Ministry of Finance and Economic Development
Funding Agency/ies	Government of Ethiopia (GoE)

Sampling

Sampling Procedure
SAMPLING FRAME
The list containing EAs of all regions and their respective households obtained from the 1999 E.C cartographic census frame was used as the sampling frame in order to select the primary sampling units (EAs). Consequently, all sample EAs were selected from this frame based on the design proposed for the survey. The second stage sampling units, households, were selected from a fresh list of households that were prepared for each EA at the beginning of the survey.

SAMPLE DESIGN
In order to select the sample a stratified two-stage cluster sample design was implemented. Enumeration areas (EAs) were taken to be the primary sampling units (PSUs) and the secondary sampling units (SSUs) were agricultural households. The sample size for the 2010/11 agricultural sample survey was determined by taking into account of both the required level of precision for the most important estimates within each domain and the amount of resources allocated to the survey. In order to reduce non-sampling errors, manageability of the survey in terms of quality and operational control was also considered.
All regions were taken to be the domain of estimation for which major findings of the survey are reported.

SELECTION SCHEME
Enumeration areas from each stratum were selected systematically using probability proportional to size sampling technique; size being number of agricultural households. The sizes for EAs were obtained from the 2007 E.C Population and Housing census frame. From the fresh list of households prepared at the beginning of the survey 20 agricultural households within each sample EA were selected systematically.

Estimation procedure of totals, ratios, sampling error and the measurement of precision of estimates (CV) are given in Appendix-I and II respectively. Distribution of sampling units (sampled and covered EAs and households) by stratum is also presented in Appendix-III.

Response Rate
A total of 2,280 Enumeration Areas (EAs) were selected. However, due to various reasons that are beyond control, in 25 EAs the survey could not be successful and hence interrupted. Thus, all in all the survey succeeded to cover 2,236 EAs (98.5 %) throughout the regions. The Annual Agricultural Sample survey (Meher season) was conducted on the basis of 20 agricultural households selected from each EA. Regarding the ultimate sampling units, it was intended to cover a total of 45,600 agricultural households, however, 44,871 (98.3 %) were actually covered by the survey.

Data Collection

Data Collection Dates	start 2010 end 2011

Data Collection Mode	Face-to-face [f2f]

Data Collection Notes

ORGANIZATION OF FIELD WORK

The conduct of a survey cannot be executed without the arrangement of fieldwork. In recognition of this, the organization of fieldwork has been entrusted to the Desks that liaises between the Head Office and the 25 Branch Statistical Offices spread across the regions. All Branch Offices took part in the survey execution especially in recruiting the enumerators, organizing the 2nd stage training, assigning the field staff to their sites of enumeration, supervising the data collection and retrieving completed questionnaires and submitting them to the Head Office for data processing.

The Branch Offices were also responsible for administering the financial and logistic aspects of the survey within their areas of operation. A total of 2,394 enumerators, 529 field supervisors and 66 statisticians were involved in the data collection where on the average one supervisor was assigned to five enumeration areas for supervision of data collection. All the enumerators were supplied with the necessary survey equipment after the completion of the training to ensure the smooth operation of the survey. To facilitate the data collection activities, a total of 194 four-wheel drive vehicles were used.

TRAINING OF FIELD STAFF

The execution of a survey and quality of data acquired from the survey highly depend on the type of training given to the enumerators and supervisors and the consequent understanding of the tasks to be performed and the standard procedures to be followed by the enumerators and supervisors in the survey undertaking. The quality and completeness of data are ensured when the training meets its objective of producing responsible and fervent enumerators and supervisors.

In light of this point, the training was given to the field staff in two stages. The first stage training, which took place at the Ambo University and lasted 7 days targeted staff from the Head Office, statisticians and senior field supervisors from Branch Statistical Offices. The staff that took part in the first stage training was then assigned to conduct similar training for the enumerators and other supervisors for 15 days in all the twenty- five Branch Statistical Offices distributed across the country.

In the training the field staff was given detailed classroom instruction on how to collect data, method of area measurement, interviewing procedures, etc. The training also included field practice to reinforce the understanding of concepts, definitions and theories discussed in the classroom with regard to field measurement, crop cutting, GPS reading and interviewing methods.

METHOD OF DATA COLLECTION

The agricultural data for the year 2010/11 (2003 E.C.) was collected from sedentary rural peasant households by interviewing the selected agricultural holders and physically measuring their fields to obtain data on crop yields and other items of interest.

The data obtained were recorded in various forms designed for this purpose. Instruments like measuring tape; compass, kitchen balance, scientific calculators, GPS (Oromiya region only) and others were used during data collection for a timely and smooth acquisition of accurate data. The procedures for measuring area under crop and area of non - crop fields operated by the holders were performed for the 30 selected households from each sampled E.A. using measuring tapes and compasses as well as GPS.

Questionnaires

The 2010-2011 annual Agricultural Sample Survey used structured questionnaires to collect agricultural information from selected sample households.
List of forms in the questionnaires:

- AgSS Form 2003/0: It contains forms that used to list all households in the sample areas.
- AgSS Form 2003/1: It contains forms that used to list selected agricultural households and holders in the sample areas.
- AgSS Form 2003/2A: It contains forms that used to collect information about crops, results of area measurements covered by crops and other land uses.
- AgSS Form 2003/2B: It contains forms that used to collect information about miscellaneous questions for the holders.
- AgSS Form 2003/4: It contains forms that used to collect information about list of temporary crop fields for selecting crop cutting plots.
- AgSS Form 2003/5: It contains forms that used to collect information about list of temporary crop cutting results.

Data Collector(s)	Central Statistical Agency of Ethiopia (CSA) , Ministry of Finance and Economic Development

Data Processing & Appraisal

Data Editing

Editing, Coding and Verification

Statistical data editing plays an important role in ensuring the quality of the collected survey data. It minimizes the effects of errors introduced while collecting data in the field, hence the need for data editing, coding and verification. Although coding and editing are done by the enumerators and supervisors in the field, respectively, verification of this task is done at the Head Office.

An editing, coding and verification instruction manual was prepared and reproduced for this purpose. Then 66 editors-coders and verifiers were trained for two days in editing, coding and verification using the aforementioned manual as a reference and teaching aid. The completed questionnaires were edited, coded and later verified on a 100 % basis before the questionnaires were passed over to the data entry unit. The editing, coding and verification exercise of all questionnaires took 18 days.

) Data Entry, Cleaning and Tabulation

Before data entry, the Agriculture, Natural Resources and Environment Statistics Directorate of the CSA prepared edit specification for the survey for use on personal computers for data consistency checking purposes. The data on the edited and coded questionnaires were then entered into personal computers. The data were then checked and cleaned using the edit specifications prepared earlier for this purpose. The data entry operation involved about 70 data encoders, 10 data encoder supervisors, 12 data cleaning operators and 55 personal computers. The data entered into the computers using the entry module of the CSPRO (Census and Survey Processing System) software, which is a software package developed by the United States Bureau of the Census. Following the data entry operations, the data was further reviewed for data inconsistencies, missing data … etc. by the regular professional staff from Agriculture, Natural Resources and Environment Statistics Directorate. The final stage of the data processing was to summarizing the cleaned data and produce statistical tables that present the results of the survey using the tabulation component of the PC based CSPRO software produced by professional staff from Agriculture, Natural Resources and Environment Statistics Directorate.

Estimates of Sampling Error

Estimation procedure of totals, ratios, sampling error and the measurement of precision of estimates (CV) are given in Appendix-I and II respectively. Distribution of sampling units (sampled and covered EAs and households) by stratum is also presented in Appendix-III.

Accessibility

Access Authority	Central Statistical Agency of Ethiopia (Ministry of Finance and Economic Development) , http://www.csa.gov.et , csa@csa.gov.et
Contact(s)	Data Administrator (Central Statistical Agency) , http://www.csa.gov.et , data@csa.gov.et

Access Conditions

The Central Statistical Agency (CSA) is committed to achieving excellence in the provision of timely, reliable and affordable official statistics for informed decision making in order to maximize the welfare of all Ethiopians. This is

achieved through the collection and analysis of censuses, surveys and the use of administrative data as well as the dissemination a range of statistical products and providing assistance and services to users.

A microdata dissemination policy is established by CSA to address the conditions and the manner in which anonymized microdata files may be released to users for research purposes. It also strives to identify the different levels of anonymization for different categories of data use. This policy is available at CSA website (http://www.csa.gov.et).

CSA will release microdata files for use by researchers for scientific research purposes when:
The Director General is satisfied that all reasonable steps have been taken to prevent the identification of individual respondents.

The release of the data will substantially enhance the analytic value of the data that have been collected For all but purely public files, researchers disclose the nature and objectives of their intended research, It can be demonstrated that there are no credible alternative sources for these data, and

The researchers have signed an appropriate undertaking.

Terms and conditions of use of public data files are the following:

The data and other materials provided by CSA will not be redistributed or sold to other individuals, institutions, or organizations without the written agreement of CSA.

The data will be used for statistical and scientific research purposes only. They will be used solely for reporting of aggregated information, and not for investigation of specific individuals or organizations.

No attempt will be made to re-identify respondents, and no use will be made of the identity of any person or establishment discovered inadvertently. Any such discovery would immediately be reported to the CSA.

No attempt will be made to produce links among datasets provided by CSA, or among data from the CSA and other datasets that could identify individuals or organizations.

Any books, articles, conference papers, theses, dissertations, reports, or other publications that employ data obtained from CSA will cite the source of data in accordance with the Citation Requirement provided with each dataset.

An electronic copy of all reports and publications based on the requested data will be sent to CSA.

The original collector of the data, CSA, and the relevant funding agencies bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

Cost Recovery Policy:
It is the policy of CSA to encourage broad use of its products by making them affordable for users. Accordingly, CSA attempts to ensure that the costs of creating anonymized microdata files are built-in to the survey budget.

At the same time, CSA attempts to recover costs associated with the provisions of special services that benefit only a specific group. Information on the price of each dataset is available at CSA website (www.csa.gov.et)

Citation Requirements

The following statement must be used as citation: "Central Statistical Authority of Ethiopia (CSA). Agricultural Sample Survey (AgSS 2010-2011) "

Rights & Disclaimer

Disclaimer

The user of the data acknowledges that the original collector of the data, the authorized distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses.	
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Files Description

Dataset contains 3 file(s)

Holder Information 2003 EC	
# Cases	46773
# Variable(s)	15

Field Information 2003 EC	
# Cases	487246
# Variable(s)	42

Mescellaneous	
# Cases	46723
# Variable(s)	28

Variables List

Dataset contains 85 variable(s)

File Holder Information 2003 EC

#	Name	Label	Type	Format	Valid	Invalid	Question
1	REG	Region	discrete	numeric-2.0	46773	0	Region
2	ZONE	Zone	discrete	numeric-2.0	46773	0	Zone
3	DIST	District	continuous	numeric-2.0	46773	0	District
4	FA	Farmers Association	continuous	numeric-3.0	46773	0	Farmers Association
5	EA	Enumeration Area	discrete	numeric-2.0	46773	0	Enumeration Area
6	HH	Household Id	continuous	numeric-3.0	46773	0	Household Id
7	HHSEX	Head sex	discrete	numeric-1.0	46773	0	Head sex
8	HID	Holder id	discrete	numeric-1.0	46773	0	Holder id
9	HWEIGHT	Sampling Weight	continuous	numeric-7.2	46773	0	Sampling Weight
10	AGE	Age	continuous	numeric-2.0	46773	0	Age
11	SEX	Sex	discrete	numeric-1.0	46773	0	Sex
12	EDUC	Education (Highest Grade)	discrete	numeric-2.0	46664	109	Education (Highest Grade)
13	V12	Household Size	continuous	numeric-2.0	46773	0	Household Size
14	HTYPE	Type of Holding	discrete	numeric-1.0	46773	0	Type of Holding
15	HRATIO	Rate	continuous	numeric-9.7	46773	0	-

File Field Information 2003 EC

#	Name	Label	Type	Format	Valid	Invalid	Question
1	REG	Region	discrete	numeric-2.0	487246	0	Region
2	ZONE	Zone	discrete	numeric-2.0	487246	0	Zone
3	DIST	District	continuous	numeric-2.0	487246	0	District
4	FA	Farmers Association	continuous	numeric-3.0	487246	0	Farmers Association
5	EA	Enumeration Area	discrete	numeric-2.0	487246	0	Enumeration Area
6	HH	Household Id	continuous	numeric-3.0	487246	0	Household Id
7	HHSEX	Head sex	discrete	numeric-1.0	487246	0	Head sex
8	HID	Holder id	discrete	numeric-1.0	487246	0	Holder id
9	PARCEL	Parcel	continuous	numeric-2.0	487245	1	Parcel
10	FLD	Field	continuous	numeric-2.0	487246	0	Field
11	FWEIGHT	Sampling Weight	continuous	numeric-7.2	487246	0	Sampling Weight
12	FLDTYPE	Field Type	discrete	numeric-1.0	487246	0	Field Type
13	CROP	CROP	discrete	numeric-3.0	487246	0	CROP
14	OWNTYPE	Ownership	discrete	numeric-1.0	487246	0	Ownership
15	EXT	Is field under Extension Program?	discrete	numeric-1.0	365219	122027	Is field under Extension Program?
16	IRRG	Is Field Irrigated?	discrete	numeric-1.0	365053	122193	Is Field Irrigated?

File Field Information 2003 EC

#	Name	Label	Type	Format	Valid	Invalid	Question
17	SIRRG	If Field Irrigated source of water	discrete	numeric-1.0	11793	475453	If Field Irrigated source of water
18	SERRO	Is Field Prevented form Erosion	discrete	numeric-1.0	435120	52126	Is Field Prevented form Erosion
19	MERRO	Common way of prevention	discrete	numeric-1.0	226666	260580	Common way of prevention
20	TREES	Number of Fruit Trees	continuous	numeric-6.0	78732	408514	Number of Fruit Trees
21	TREESBA	Number of Fruit Bearing Trees	continuous	numeric-5.0	76339	410907	Number of Fruit Bearing Trees
22	SEEDTYPE	Seed / Seedling Type	discrete	numeric-1.0	364923	122323	Seed / Seedling Type
23	WTIMSEED	Quantity of improved seeds used	discrete	numeric-8.3	8392	478854	Quantity of improved seeds used
24	COSTIMPS	Price of improved seeds used	discrete	numeric-9.2	8386	478860	Price of improved seeds used
25	WTNISEED	Quantity of indigenous seeds used	discrete	numeric-8.3	295030	192216	Quantity of indigenous seeds used
26	DAMAGE	Was crop damaged?	discrete	numeric-1.0	364449	122797	Was crop damaged?
27	DREASON	If yes, cause of damage	discrete	numeric-2.0	103345	383901	If yes, cause of damage
28	DPERCENT	Percent of damaged crop	discrete	numeric-3.0	103459	383787	Percent of damaged crop
29	DMEASURE	Prevension/precaution measure taken?	discrete	numeric-1.0	364249	122997	Prevension/precaution measure taken?
30	DMTYPE	Type of measure	discrete	numeric-1.0	355788	131458	Type of measure
31	DMCHEM	Chemical type used if any	discrete	numeric-1.0	25208	462038	Chemical type used if any
32	FERT	Is Fertilizer Used?	discrete	numeric-1.0	441294	45952	Is Fertilizer Used?
33	FERTTYPE	Type of fertilizer used if any?	discrete	numeric-1.0	182603	304643	Type of fertilizer used if any?
34	D22A	If chemical fertilizer used	discrete	numeric-1.0	65013	422233	If chemical fertilizer used
35	D22B	Quantity of chemical fertilizer used	discrete	numeric-8.3	65112	422134	Quantity of chemical fertilizer used
36	D23	If natural fertilizer used, type	discrete	numeric-1.0	128724	358522	If natural fertilizer used, type
37	D24	How often is temporary crop field used in Meher (main) season?	discrete	numeric-1.0	303420	183826	How often is temporary crop field used in Meher (main) season?
38	D25	Crops	discrete	numeric-3.0	2354	484892	Crops
39	D26	What was the previous state of the field?	discrete	numeric-1.0	487173	73	What was the previous state of the field?
40	AREAH	Area in Hectare	continuous	numeric-8.6	487125	121	Area in Hectare
41	LANDUSE	LANDUSE	discrete	numeric-1.0	487246	0	Landuse
42	PRODQ	PRODUCTION IN QUINTALS	continuous	numeric-8.4	341342	145904	Production in Quintal

File Mescellaneous

#	Name	Label	Type	Format	Valid	Invalid	Question
1	REG	Region	discrete	numeric-2.0	46723	0	Region

File Mescellaneous

#	Name	Label	Type	Format	Valid	Invalid	Question
2	ZONE	Zone	discrete	numeric-2.0	46723	0	Zone
3	DIST	District	continuous	numeric-2.0	46723	0	District
4	FA	Farmers Association	continuous	numeric-3.0	46723	0	Farmers Association
5	EA	Enumeration Area	discrete	numeric-2.0	46723	0	Enumeration Area
6	HH	Household Id	continuous	numeric-3.0	46723	0	Household Id
7	HHSEX	Head sex	discrete	numeric-1.0	46723	0	Head sex
8	HID	Holder id	discrete	numeric-1.0	46723	0	Holder id
9	PARCEL	Parcel	discrete	numeric-2.0	46723	0	Parcel
10	FLD	Field	discrete	numeric-2.0	46723	0	Field
11	AWGT	Sampling Weight	continuous	numeric-7.2	46723	0	Sampling Weight
12	F1	Do you exercise crop rotation on your land holing?	discrete	numeric-1.0	45133	1590	Do you exercise crop rotation on your land holing?
13	F2	Reason for not using chemical fertilizers on any one of your crop fields	discrete	numeric-1.0	25639	21084	Reason for not using chemical fertilizers on any one of your crop fields
14	F3	Reason for not participating in Extension Program	discrete	numeric-1.0	34225	12498	Reason for not participating in Extension Program
15	F4	Do you get credit services?	discrete	numeric-1.0	46714	9	Do you get credit services?
16	F5	If no in # 4 Why?	discrete	numeric-1.0	37379	9344	If no in # 4 Why?
17	F6	Do you get advisory services?	discrete	numeric-1.0	46711	12	Do you get advisory services?
18	F7	If no in # 6 Why?	discrete	numeric-1.0	20048	26675	If no in # 6 Why?
19	F8	Your major supplier of fertilizer is	discrete	numeric-1.0	44393	2330	Your major supplier of fertilizer is
20	F9A	Total Chemical fertilizers (Urea+Dap) purchased for main season in 2003 E.C	continuous	numeric-8.3	19431	27292	Total Chemical fertilizers (Urea+Dap) purchased for main season in 2003 E.C
21	F9B	Total Dap fertilizers purchased for main season in 2003 E.C	continuous	numeric-8.3	23526	23197	Total Dap fertilizers purchased for main season in 2003 E.C
22	F9C	Total Urea fertilizers purchased for main season in 2003 E.C	continuous	numeric-8.3	22949	23774	Total Urea fertilizers purchased for main season in 2003 E.C
23	F10	How many oxen do you have in this Meher season?	discrete	numeric-2.0	40710	6013	How many oxen do you have in this Meher season?
24	F11	If you have one or no ox how do you plough?	discrete	numeric-1.0	30980	15743	If you have one or no ox how do you plough?
25	F12	Total number of fields recorded for the holder	continuous	numeric-2.0	46526	197	Total number of fields recorded for the holder
26	F13	Total number of crop fields recorded for the holder	continuous	numeric-2.0	46420	303	Total number of crop fields recorded for the holder
27	F14	Has the holder ploughed additional fields over that of the previous year?	discrete	numeric-1.0	44693	2030	Has the holder ploughed additional fields over that of the previous year?

File Mescellaneous

#	Name	Label	Type	Format	Valid	Invalid	Question
28	F15	If yes in question # 13, what was the previous state of the additional fields?	discrete	numeric-1.0	5777	40946	If yes in question # 13, what was the previous state of the additional fields?

Variables Description

Dataset contains85 variable(s)

File Holder Information 2003 EC

#1 REG: Region

Information	[Type= discrete] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=46773 /-] [Invalid=0 /-] [Mean=4.992 /-] [StdDev=2.636 /-]
Literal question	Region

Value	Label	Cases	Percentage
1		3246	6.9%
2		903	1.9%
3		8837	18.9%
4		14973	32.0%
5		1433	3.1%
6		1902	4.1%
7		12842	27.5%
12		1665	3.6%
13		486	1.0%
15		486	1.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#2 ZONE: Zone

Information	[Type= discrete] [Format=numeric] [Range= 1-21] [Missing=*]
Statistics [NW/ W]	[Valid=46773 /-] [Invalid=0 /-] [Mean=7.199 /-] [StdDev=5.411 /-]
Literal question	Zone

Value	Label	Cases	Percentage
1		5872	12.6%
2		4721	10.1%
3		4501	9.6%
4		4308	9.2%
5		3153	6.7%
6		2996	6.4%
7		2511	5.4%
8		2169	4.6%
9		2751	5.9%
10		2342	5.0%
11		1738	3.7%
12		1582	3.4%
13		1218	2.6%
14		1173	2.5%
15		402	0.9%
16		400	0.9%
17		1525	3.3%
18		1168	2.5%
19		1192	2.5%
20		632	1.4%

File Holder Information 2003 EC

#2 ZONE: Zone

Value	Label	Cases	Percentage
21		419	0.9%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#3 DIST: District

Information	[Type= continuous] [Format=numeric] [Range= 1-24] [Missing=*]
Statistics [NW/ W]	[Valid=46773 /-] [Invalid=0 /-] [Mean=5.742 /-] [StdDev=4.659 /-]
Literal question	District

#4 FA: Farmers Association

Information	[Type= continuous] [Format=numeric] [Range= 1-403] [Missing=*]
Statistics [NW/ W]	[Valid=46773 /-] [Invalid=0 /-] [Mean=14.791 /-] [StdDev=20.063 /-]
Literal question	Farmers Association

#5 EA: Enumeration Area

Information	[Type= discrete] [Format=numeric] [Range= 1-17] [Missing=*]
Statistics [NW/ W]	[Valid=46773 /-] [Invalid=0 /-] [Mean=3.019 /-] [StdDev=2.113 /-]
Literal question	Enumeration Area

Value	Label	Cases	Percentage
1		13106	28.0%
2		10659	22.8%
3		7984	17.1%
4		5591	12.0%
5		3764	8.0%
6		2430	5.2%
7		1379	2.9%
8		733	1.6%
9		533	1.1%
10		205	0.4%
11		163	0.3%
12		144	0.3%
13		42	0.1%
16		20	0.0%
17		20	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#6 HH: Household Id

Information	[Type= continuous] [Format=numeric] [Range= 1-987] [Missing=*]
Statistics [NW/ W]	[Valid=46773 /-] [Invalid=0 /-] [Mean=86.751 /-] [StdDev=59.377 /-]
Literal question	Household Id

#7 HHSEX: Head sex

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=46773 /-] [Invalid=0 /-]
Literal question	Head sex

File Holder Information 2003 EC

#7 HHSEX: Head sex

Value	Label	Cases	Percentage
1	Male	38098	81.5%
2	Female	8675	18.5%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#8 HID: Holder id

Information	[Type= discrete] [Format=numeric] [Range= 0-9] [Missing=*]
Statistics [NW/ W]	[Valid=46773 /-] [Invalid=0 /-] [Mean=1.055 /-] [StdDev=0.299 /-]
Literal question	Holder id

Value	Label	Cases	Percentage
0		1	0.0%
1		44730	95.6%
2		1662	3.6%
3		285	0.6%
4		54	0.1%
5		22	0.0%
6		11	0.0%
7		4	0.0%
9		4	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#9 HWEIGHT: Sampling Weight

Information	[Type= continuous] [Format=numeric] [Range= 14.29-1773.81] [Missing=*]
Statistics [NW/ W]	[Valid=46773 /-] [Invalid=0 /-] [Mean=320.696 /-] [StdDev=206.897 /-]
Literal question	Sampling Weight

#10 AGE: Age

Information	[Type= continuous] [Format=numeric] [Range= 0-99] [Missing=*]
Statistics [NW/ W]	[Valid=46773 / 14999933.46] [Invalid=0 / 0] [Mean=42.55 / 42.877] [StdDev=15.673 / 15.846]
Literal question	Age

#11 SEX: Sex

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=46773 / 14999933.46] [Invalid=0 / 0]
Literal question	Sex

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Male	38130	12311020.3	82.1%
2	Female	8643	2688913.2	17.9%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#12 EDUC: Education (Highest Grade)

Information	[Type= discrete] [Format=numeric] [Range= 1-15] [Missing=*/99]
Statistics [NW/ W]	[Valid=46664 / 14975193.99] [Invalid=109 / 24739.47]
Literal question	Education (Highest Grade)

File Holder Information 2003 EC

#12 EDUC: Education (Highest Grade)

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Illiterate	29469	9306935.9	62.1%
2	Literate	3394	1286091.3	8.6%
3	Grade 1	1019	323441.9	2.2%
4	Grade 2	1786	561344.2	3.7%
5	Grade 3	2053	669016.7	4.5%
6	Grade 4	1926	612049.6	4.1%
7	Grade 5	1682	550228.7	3.7%
8	Grade 6	1626	506296.7	3.4%
9	Grade 7	1180	361576.4	2.4%
10	Grade 8	945	299797.0	2.0%
11	Grade 9	452	136266.2	0.9%
12	Grade 10	673	216064.8	1.4%
13	Grade 11	53	16165.5	0.1%
14	Grade 12 Completed	189	63077.9	0.4%
15	Above Grade 12	217	66841.2	0.4%
99	Missing	109	24739.5	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#13 V12: Household Size

Information	[Type= continuous] [Format=numeric] [Range= 0-73] [Missing=*]
Statistics [NW/ W]	[Valid=46773 / 14999933.46] [Invalid=0 / 0] [Mean=5.401 / 5.378] [StdDev=2.432 / 2.364]
Literal question	Household Size

#14 HTYPE: Type of Holding

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=46773 / 14999933.46] [Invalid=0 / 0]
Literal question	Type of Holding

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Crop only	4856	1515919.8	10.1%
2	Livestock only	2512	594657.5	4.0%
3	Both	39405	12889356.1	85.9%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#15 HRATIO: Rate

Information	[Type= continuous] [Format=numeric] [Range= 0.0059758-0.7264691] [Missing=*]
Statistics [NW/ W]	[Valid=46773 /-] [Invalid=0 /-] [Mean=0.0651 /-] [StdDev=0.0914 /-]

File Field Information 2003 EC

#1 REG: Region

Information	[Type= discrete] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=487246 /-] [Invalid=0 /-] [Mean=5.128 /-] [StdDev=2.49 /-]
Literal question	Region

File Field Information 2003 EC

#1 REG: Region

Value	Label	Cases	Percentage
1		26775	5.5%
2		2719	0.6%
3		91882	18.9%
4		156776	32.2%
5		4741	1.0%
6		16759	3.4%
7		166297	34.1%
12		11220	2.3%
13		5189	1.1%
15		4888	1.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#2 ZONE: Zone

Information	[Type= discrete] [Format=numeric] [Range= 1-21] [Missing=*]
Statistics [NW/ W]	[Valid=487246 /-] [Invalid=0 /-] [Mean=7.345 /-] [StdDev=5.48 /-]
Literal question	Zone

Value	Label	Cases	Percentage
1		54860	11.3%
2		44387	9.1%
3		52746	10.8%
4		46098	9.5%
5		33006	6.8%
6		37156	7.6%
7		22512	4.6%
8		20660	4.2%
9		29013	6.0%
10		26804	5.5%
11		16821	3.5%
12		15471	3.2%
13		14257	2.9%
14		9826	2.0%
15		3550	0.7%
16		3392	0.7%
17		14444	3.0%
18		15412	3.2%
19		13468	2.8%
20		8237	1.7%
21		5126	1.1%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#3 DIST: District

Information	[Type= continuous] [Format=numeric] [Range= 1-24] [Missing=*]
Statistics [NW/ W]	[Valid=487246 /-] [Invalid=0 /-] [Mean=5.886 /-] [StdDev=4.689 /-]
Literal question	District

File Field Information 2003 EC

#4 FA: Farmers Association

Information	[Type= continuous] [Format=numeric] [Range= 1-403] [Missing=*]
Statistics [NW/ W]	[Valid=487246 /-] [Invalid=0 /-] [Mean=14.904 /-] [StdDev=18.773 /-]
Literal question	Farmers Association

#5 EA: Enumeration Area

Information	[Type= discrete] [Format=numeric] [Range= 1-17] [Missing=*]
Statistics [NW/ W]	[Valid=487246 /-] [Invalid=0 /-] [Mean=3.016 /-] [StdDev=2.057 /-]
Literal question	Enumeration Area

Value	Label	Cases	Percentage
1		131942	27.1%
2		111916	23.0%
3		86552	17.8%
4		59924	12.3%
5		39974	8.2%
6		24811	5.1%
7		14259	2.9%
8		7119	1.5%
9		5475	1.1%
10		1687	0.3%
11		1909	0.4%
12		1127	0.2%
13		264	0.1%
16		95	0.0%
17		192	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#6 HH: Household Id

Information	[Type= continuous] [Format=numeric] [Range= 1-987] [Missing=*]
Statistics [NW/ W]	[Valid=487246 /-] [Invalid=0 /-] [Mean=86.773 /-] [StdDev=57.676 /-]
Literal question	Household Id

#7 HHSEX: Head sex

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=487246 /-] [Invalid=0 /-]
Literal question	Head sex

Value	Label	Cases	Percentage
1	Male	415296	85.2%
2	Female	71950	14.8%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#8 HID: Holder id

Information	[Type= discrete] [Format=numeric] [Range= 0-9] [Missing=*]
Statistics [NW/ W]	[Valid=487246 /-] [Invalid=0 /-] [Mean=1.013 /-] [StdDev=0.165 /-]
Literal question	Holder id

File Field Information 2003 EC

#8 HID: Holder id

Value	Label	Cases	Percentage
0		11	0.0%
1		482672	99.1%
2		3721	0.8%
3		479	0.1%
4		142	0.0%
5		72	0.0%
6		78	0.0%
7		42	0.0%
9		29	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#9 PARCEL: Parcel

Information	[Type= continuous] [Format=numeric] [Range= 0-90] [Missing=*]
Statistics [NW/ W]	[Valid=487245 /-] [Invalid=1 /-] [Mean=2.115 /-] [StdDev=2.224 /-]
Literal question	Parcel

#10 FLD: Field

Information	[Type= continuous] [Format=numeric] [Range= 1-99] [Missing=*]
Statistics [NW/ W]	[Valid=487246 /-] [Invalid=0 /-] [Mean=3.904 /-] [StdDev=4.03 /-]
Literal question	Field

#11 FWEIGHT: Sampling Weight

Information	[Type= continuous] [Format=numeric] [Range= 14.29-1773.81] [Missing=*]
Statistics [NW/ W]	[Valid=487246 /-] [Invalid=0 /-] [Mean=333.371 /-] [StdDev=204.846 /-]
Literal question	Sampling Weight

#12 FLDTYPE: Field Type

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=487246 /-] [Invalid=0 /-]
Literal question	Field Type

Value	Label	Cases	Percentage
1	Pure stand	252421	51.8%
2	Mixed crop	112634	23.1%
3	Other Land use	122191	25.1%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#13 CROP: CROP

Information	[Type= discrete] [Format=numeric] [Range= 1-127] [Missing=*]
Statistics [NW/ W]	[Valid=487246 / 162433893.65] [Invalid=0 / 0]
Literal question	CROP

Frequency table not shown (125 Modalities)

#14 OWNTYPE: Ownership

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=487246 / 162433893.65] [Invalid=0 / 0]

File Field Information 2003 EC

#14 OWNTYPE: Ownership

Literal question	Ownership

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Private	451770	149892445.7	92.3%
2	Rent/leased	20508	7677700.1	4.7%
3	Other	14965	4863536.4	3.0%
9	NR	3	211.4	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#15 EXT: Is field under Extension Program?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=365219 / 121791257.17] [Invalid=122027 / 40642636.48]
Literal question	Is field under Extension Program?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	30852	12327596.8	10.1%
2	No	334367	109463660.4	89.9%
Sysmiss		122027	40642636.5	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#16 IRRG: Is Field Irrigated?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=365053 / 121726062.14] [Invalid=122193 / 40707831.51]
Literal question	Is Field Irrigated?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	11784	3555198.9	2.9%
2	No	353269	118170863.2	97.1%
Sysmiss		122193	40707831.5	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#17 SIRRG: If Field Irrigated source of water

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=11793 / 3555448.35] [Invalid=475453 / 158878445.3]
Literal question	If Field Irrigated source of water

Value	Label	Cases	Weighted	Percentage (Weighted)
1	River	8598	2685366.9	75.5%
2	Lake	137	47583.0	1.3%
3	Pond	843	292640.0	8.2%
4	Harvested water	573	180265.6	5.1%
5	Other	1642	349592.9	9.8%
Sysmiss		475453	158878445.3	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#18 SERRO: Is Field Prevented form Erosion

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=435120 / 145816407.83] [Invalid=52126 / 16617485.82]
Literal question	Is Field Prevented form Erosion

File Field Information 2003 EC

#18 SERRO: Is Field Prevented form Erosion

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	226353	79520036.4	54.5%
2	No	208767	66296371.5	45.5%
Sysmiss		52126	16617485.8	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#19 MERRO: Common way of prevention

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=226666 / 79640241.24] [Invalid=260580 / 82793652.41]
Literal question	Common way of prevention

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Terracing	72208	25951124.1	32.6%
2	Water catchment	28856	10551207.5	13.2%
3	Afforestation	3810	1345110.5	1.7%
4	Plough along the contour	78680	26236165.8	32.9%
5	Others	43112	15556633.4	19.5%
Sysmiss		260580	82793652.4	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#20 TREES: Number of Fruit Trees

Information	[Type= continuous] [Format=numeric] [Range= 0-250000] [Missing=*]
Statistics [NW/ W]	[Valid=78732 / 25056598.82] [Invalid=408514 / 137377294.83] [Mean=210.057 / 250.011] [StdDev=1229.281 / 1800.848]
Literal question	Number of Fruit Trees

#21 TREESBA: Number of Fruit Bearing Trees

Information	[Type= continuous] [Format=numeric] [Range= 0-35105] [Missing=*]
Statistics [NW/ W]	[Valid=76339 / 24163938.72] [Invalid=410907 / 138269954.93] [Mean=121.293 / 131.591] [StdDev=546.744 / 546.572]
Literal question	Number of Fruit Bearing Trees

#22 SEEDTYPE: Seed / Seedling Type

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=364923 / 121694545.41] [Invalid=122323 / 40739348.24]
Literal question	Seed / Seedling Type

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Improved seed	9094	3540736.1	2.9%
2	Indigenous seed	355829	118153809.3	97.1%
Sysmiss		122323	40739348.2	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#23 WTIMSEED: Quantity of improved seeds used

Information	[Type= discrete] [Format=numeric] [Range= 0-9999.999] [Missing=*]
Statistics [NW/ W]	[Valid=8392 / 3274557.38] [Invalid=478854 / 159159336.27]
Literal question	Quantity of improved seeds used

Frequency table not shown (865 Modalities)

File Field Information 2003 EC

#24 COSTIMPS: Price of improved seeds used

Information	[Type= discrete] [Format=numeric] [Range= 0-999999.99] [Missing=*]
Statistics [NW/ W]	[Valid=8386 / 3272740.2] [Invalid=478860 / 159161153.45]
Literal question	Price of improved seeds used

Value	Label	Cases	Percentage
99999.99	Not stated		

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#25 WTNISEED: Quantity of indigenous seeds used

Information	[Type= discrete] [Format=numeric] [Range= 0-9999.999] [Missing=*]
Statistics [NW/ W]	[Valid=295030 / 99148833.86] [Invalid=192216 / 63285059.79]
Literal question	Quantity of indigenous seeds used

Value	Label	Cases	Percentage
9999.999	Not stated		

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#26 DAMAGE: Was crop damaged?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=364449 / 121498714.97] [Invalid=122797 / 40935178.68]
Literal question	Was crop damaged?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	103356	36361956.0	29.9%
2	No	261093	85136759.0	70.1%
Sysmiss		122797	40935178.7	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#27 DREASON: If yes, cause of damage

Information	[Type= discrete] [Format=numeric] [Range= 1-99] [Missing=*]
Statistics [NW/ W]	[Valid=103345 / 36359321.52] [Invalid=383901 / 126074572.13]
Literal question	If yes, cause of damage

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Too much rain	23238	8102577.2	22.3%
2	Too little rain	1975	748585.9	2.1%
3	Insects	3560	1260204.0	3.5%
4	Crop disease	143	34867.3	0.1%
5	Weeds	10767	3521729.5	9.7%
6	Hail	18588	6466721.0	17.8%
7	Frost	15981	6371205.6	17.5%
8	Floods	4267	1144993.3	3.1%
9	Wild animals	740	222951.8	0.6%
10	Locust	4288	1698256.0	4.7%
11	Birds	5516	1807808.5	5.0%
12	Shortage of seed	462	146909.2	0.4%
13	Depletion of soi	7219	2484371.1	6.8%
14	Security problem	14	2473.2	0.0%

File Field Information 2003 EC

#27 DREASON: If yes, cause of damage

Value	Label	Cases	Weighted	Percentage (Weighted)
15	Other	6586	2345643.7	6.5%
99	NR	1	24.2	0.0%
Sysmiss		383901	126074572.1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#28 DPERCENT: Percent of damaged crop

Information	[Type= discrete] [Format=numeric] [Range= 0-999] [Missing=*]
Statistics [NW/ W]	[Valid=103459 / 36398438.23] [Invalid=383787 / 126035455.42]
Literal question	Percent of damaged crop

Frequency table not shown (90 Modalities)

#29 DMEASURE: Prevension/precaution measure taken?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=364249 / 121377846.98] [Invalid=122997 / 41056046.67]
Literal question	Prevension/precaution measure taken?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	355724	118540215.6	97.7%
2	No	8525	2837631.4	2.3%
Sysmiss		122997	41056046.7	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#30 DMTYPE: Type of measure

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=355788 / 118564331.66] [Invalid=131458 / 43869561.99]
Literal question	Type of measure

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Chemical	6666	2387696.4	2.0%
2	Non_chemical	331872	109981340.0	92.8%
3	Both	17248	6194600.9	5.2%
9	NR	2	694.4	0.0%
Sysmiss		131458	43869562.0	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#31 DMCHEM: Chemical type used if any

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=25208 / 9075665.54] [Invalid=462038 / 153358228.11]
Literal question	Chemical type used if any

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Pesticide	2772	945879.5	10.4%
2	Herbicide	19718	7125062.3	78.5%
3	Fungicide	1090	380123.6	4.2%
4	Pesticide & Herbicide	451	164198.7	1.8%
5	Pesticide & Fungicide	263	97084.0	1.1%
6	Herbicide & Fungicide	649	262212.7	2.9%

File Field Information 2003 EC

#31 DMCHEM: Chemical type used if any

Value	Label	Cases	Weighted	Percentage (Weighted)
7	All	23	9883.6	0.1%
9	Not stated	242	91221.1	1.0%
Sysmiss		462038	153358228.1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#32 FERT: Is Fertilizer Used?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=441294 / 148026511.28] [Invalid=45952 / 14407382.37]
Literal question	Is Fertilizer Used?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	182387	66640985.7	45.0%
2	No	258907	81385525.6	55.0%
Sysmiss		45952	14407382.4	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#33 FERTTYPE: Type of fertilizer used if any?

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=182603 / 66731475.27] [Invalid=304643 / 95702418.38]
Literal question	Type of fertilizer used if any?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Natural	117777	41879052.1	62.8%
2	Chemical	55445	21352710.8	32.0%
3	Both	9381	3499712.3	5.2%
Sysmiss		304643	95702418.4	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#34 D22A: If chemical fertilizer used

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=65013 / 24945999.11] [Invalid=422233 / 137487894.54]
Literal question	If chemical fertilizer used

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Urea	5558	2163687.7	8.7%
2	DAP	27759	10358206.1	41.5%
3	Both	31484	12341542.7	49.5%
9	Not Stated	212	82562.7	0.3%
Sysmiss		422233	137487894.5	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#35 D22B: Quantity of chemical fertilizer used

Information	[Type= discrete] [Format=numeric] [Range= 0-9999.99] [Missing=*]
Statistics [NW/ W]	[Valid=65112 / 24988027.64] [Invalid=422134 / 137445866.01]
Literal question	Quantity of chemical fertilizer used

Value	Label	Cases	Percentage
9999.99	Not stated		

File Field Information 2003 EC

#35 D22B: Quantity of chemical fertilizer used

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#36 D23: If natural fertilizer used, type

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=128724 / 45968910.18] [Invalid=358522 / 116464983.47]
Literal question	If natural fertilizer used, type

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Manure	97708	34430803.7	74.9%
2	Compost	9073	3426168.2	7.5%
3	Organic	245	86738.9	0.2%
4	Manure and Compost	16686	6300145.8	13.7%
5	Manure and Organic	130	48776.7	0.1%
6	Compost and organic	22	10885.1	0.0%
7	All	59	34197.4	0.1%
8	Others	3610	1194691.1	2.6%
9	NR	1191	436503.3	0.9%
Sysmiss		358522	116464983.5	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#37 D24: How often is temporary crop field used in Meher (main) season?

Information	[Type= discrete] [Format=numeric] [Range= 0-8] [Missing=*]
Statistics [NW/ W]	[Valid=303420 / 101062034.06] [Invalid=183826 / 61371859.59] [Mean=1.008 / 1.011] [StdDev=0.0942 / 0.105]
Literal question	How often is temporary crop field used in Meher (main) season?

Value	Label	Cases	Weighted	Percentage (Weighted)
0		11	3030.0	0.0%
1		300871	99957721.8	98.9%
2		2522	1099323.8	1.1%
3		2	509.1	0.0%
4		12	1014.5	0.0%
5		1	391.0	0.0%
8		1	43.9	0.0%
Sysmiss		183826	61371859.6	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#38 D25: Crops

Information	[Type= discrete] [Format=numeric] [Range= 1-120] [Missing=*]
Statistics [NW/ W]	[Valid=2354 / 1044065.52] [Invalid=484892 / 161389828.13]
Literal question	Crops

Frequency table not shown (120 Modalities)

#39 D26: What was the previous state of the field?

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=487173 / 162409837.84] [Invalid=73 / 24055.81]
Literal question	What was the previous state of the field?

File Field Information 2003 EC

#39 D26: What was the previous state of the field?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Fallow land	10031	3279945.1	2.0%
2	Crop field	369082	122519239.0	75.4%
3	Virgin	40469	14682298.6	9.0%
4	Rented in crop field	6441	2315221.4	1.4%
5	Others	61150	19613133.8	12.1%
Sysmiss		73	24055.8	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#40 AREAH: Area in Hectare

Information	[Type= continuous] [Format=numeric] [Range= 0-9.998276] [Missing=*]
Statistics [NW/ W]	[Valid=487125 / 162393037.95] [Invalid=121 / 40855.7] [Mean=0.104 / 0.104] [StdDev=0.225 / 0.223]
Literal question	Area in Hectare

#41 LANDUSE: LANDUSE

Information	[Type= discrete] [Format=numeric] [Range= 1-6] [Missing=*]
Statistics [NW/ W]	[Valid=487246 / 162433893.65] [Invalid=0 / 0]
Literal question	Landuse

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Temporary crop land	266427	89837969.6	55.3%
2	Permanent crop land	97559	31718331.4	19.5%
3	Grazing land	26554	9896058.5	6.1%
4	Fallow Land	11735	3493119.4	2.2%
5	Wood land	12322	4626347.9	2.8%
6	Other land use	72649	22862066.8	14.1%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#42 PRODQ: PRODUCTION IN QUINTALS

Information	[Type= continuous] [Format=numeric] [Range= 0-602.7233] [Missing=*]
Statistics [NW/ W]	[Valid=341342 / 116164962.56] [Invalid=145904 / 46268931.09] [Mean=2.203 / 2.231] [StdDev=5.137 / 5.289]
Literal question	Production in Quintal

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#1 REG: Region

Information	[Type= discrete] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=46723 /-] [Invalid=0 /-] [Mean=4.992 /-] [StdDev=2.635 /-]
Literal question	Region

Value	Label	Cases	Percentage
1		3246	6.9%
2		893	1.9%
3		8831	18.9%
4		14958	32.0%
5		1431	3.1%
6		1901	4.1%

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#1 REG: Region

Value	Label	Cases	Percentage
7		12831	27.5%
12		1660	3.6%
13		486	1.0%
15		486	1.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#2 ZONE: Zone

Information	[Type= discrete] [Format=numeric] [Range= 1-21] [Missing=*]
Statistics [NW/ W]	[Valid=46723 /-] [Invalid=0 /-] [Mean=7.202 /-] [StdDev=5.412 /-]
Literal question	Zone

Value	Label	Cases	Percentage
1		5859	12.5%
2		4717	10.1%
3		4488	9.6%
4		4303	9.2%
5		3151	6.7%
6		2995	6.4%
7		2509	5.4%
8		2168	4.6%
9		2748	5.9%
10		2342	5.0%
11		1737	3.7%
12		1579	3.4%
13		1217	2.6%
14		1172	2.5%
15		402	0.9%
16		400	0.9%
17		1525	3.3%
18		1168	2.5%
19		1192	2.6%
20		632	1.4%
21		419	0.9%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#3 DIST: District

Information	[Type= continuous] [Format=numeric] [Range= 1-24] [Missing=*]
Statistics [NW/ W]	[Valid=46723 /-] [Invalid=0 /-] [Mean=5.742 /-] [StdDev=4.659 /-]
Literal question	District

#4 FA: Farmers Association

Information	[Type= continuous] [Format=numeric] [Range= 1-403] [Missing=*]
Statistics [NW/ W]	[Valid=46723 /-] [Invalid=0 /-] [Mean=14.792 /-] [StdDev=20.073 /-]
Literal question	Farmers Association

File Mescellaneous

#5 EA: Enumeration Area

Information	[Type= discrete] [Format=numeric] [Range= 1-17] [Missing=*]
Statistics [NW/ W]	[Valid=46723 /-] [Invalid=0 /-] [Mean=3.02 /-] [StdDev=2.113 /-]
Literal question	Enumeration Area

Value	Label	Cases	Percentage
1		13078	28.0%
2		10649	22.8%
3		7978	17.1%
4		5591	12.0%
5		3763	8.1%
6		2428	5.2%
7		1378	2.9%
8		733	1.6%
9		533	1.1%
10		204	0.4%
11		163	0.3%
12		143	0.3%
13		42	0.1%
16		20	0.0%
17		20	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#6 HH: Household Id

Information	[Type= continuous] [Format=numeric] [Range= 1-987] [Missing=*]
Statistics [NW/ W]	[Valid=46723 /-] [Invalid=0 /-] [Mean=86.767 /-] [StdDev=59.386 /-]
Literal question	Household Id

#7 HHSEX: Head sex

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=46723 /-] [Invalid=0 /-]
Literal question	Head sex

Value	Label	Cases	Percentage
1	Male	38056	81.5%
2	Female	8667	18.5%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#8 HID: Holder id

Information	[Type= discrete] [Format=numeric] [Range= 0-9] [Missing=*]
Statistics [NW/ W]	[Valid=46723 /-] [Invalid=0 /-] [Mean=1.055 /-] [StdDev=0.296 /-]
Literal question	Holder id

Value	Label	Cases	Percentage
0		1	0.0%
1		44705	95.7%
2		1645	3.5%
3		281	0.6%

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#8 HID: Holder id

Value	Label	Cases	Percentage
4		51	0.1%
5		21	0.0%
6		11	0.0%
7		4	0.0%
9		4	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#9 PARCEL: Parcel

Information	[Type= discrete] [Format=numeric] [Range= 99-99] [Missing=*]
Statistics [NW/ W]	[Valid=46723 /-] [Invalid=0 /-] [Mean=99 /-] [StdDev=0 /-]
Literal question	Parcel

Value	Label	Cases	Percentage
99		46723	100.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#10 FLD: Field

Information	[Type= discrete] [Format=numeric] [Range= 99-99] [Missing=*]
Statistics [NW/ W]	[Valid=46723 /-] [Invalid=0 /-] [Mean=99 /-] [StdDev=0 /-]
Literal question	Field

Value	Label	Cases	Percentage
99		46723	100.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#11 AWGT: Sampling Weight

Information	[Type= continuous] [Format=numeric] [Range= 14.29-1773.81] [Missing=*]
Statistics [NW/ W]	[Valid=46723 /-] [Invalid=0 /-] [Mean=320.76 /-] [StdDev=206.866 /-]
Literal question	Sampling Weight

#12 F1: Do you exercise crop rotation on your land holing?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=45133 / 14580993.08] [Invalid=1590 / 405890.41]
Literal question	Do you exercise crop rotation on your land holing?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	34452	11665323.8	80.0%
2	No	10681	2915669.3	20.0%
Sysmiss		1590	405890.4	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#13 F2: Reason for not using chemical fertilizers on any one of your crop fields

Information	[Type= discrete] [Format=numeric] [Range= 1-7] [Missing=*]
Statistics [NW/ W]	[Valid=25639 / 7419440.9] [Invalid=21084 / 7567442.59]
Literal question	Reason for not using chemical fertilizers on any one of your crop fields

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Ignorance	1869	490452.2	6.6%

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#13 F2: Reason for not using chemical fertilizers on any one of your crop fields

Value	Label	Cases	Weighted	Percentage (Weighted)
2	High price	2614	826210.1	11.1%
3	Lack of money	9173	2962465.5	39.9%
4	Non-availability of supply	3157	635588.8	8.6%
5	Lack of credit service	448	147151.0	2.0%
6	Skeptical of the outcome	1819	594055.4	8.0%
7	Others	6559	1763517.9	23.8%
Sysmiss		21084	7567442.6	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#14 F3: Reason for not participating in Extension Program

Information	[Type= discrete] [Format=numeric] [Range= 1-6] [Missing=*]
Statistics [NW/ W]	[Valid=34225 / 10642017.86] [Invalid=12498 / 4344865.63]
Literal question	Reason for not participating in Extension Program

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Ignorance	4447	1408009.0	13.2%
2	Lack of Money	11444	3644914.0	34.3%
3	Skeptical of the outcome	3272	1018842.9	9.6%
4	Non-availability of the service	6719	1788619.1	16.8%
5	Lack of adequate crop fields	5117	1744194.2	16.4%
6	Others	3226	1037438.7	9.7%
Sysmiss		12498	4344865.6	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#15 F4: Do you get credit services?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=46714 / 14984159.05] [Invalid=9 / 2724.44]
Literal question	Do you get credit services?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	9319	3345024.6	22.3%
2	No	37395	11639134.4	77.7%
Sysmiss		9	2724.4	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#16 F5: If no in # 4 Why?

Information	[Type= discrete] [Format=numeric] [Range= 1-6] [Missing=*]
Statistics [NW/ W]	[Valid=37379 / 11636902.4] [Invalid=9344 / 3349981.09]
Literal question	If no in # 4 Why?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Non-availability of the service	8229	1885815.1	16.2%
2	Unable to pay the loan	13490	4532225.9	38.9%
3	Inadequate services provided	9069	2908925.1	25.0%
4	Ignorance	2261	728437.4	6.3%
5	Doesn't yield any results	4330	1581498.9	13.6%
6	Others	0	0.0	0.0%

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#16 F5: If no in # 4 Why?

Value	Label	Cases	Weighted	Percentage (Weighted)
Sysmiss		9344	3349981.1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#17 F6: Do you get advisory services?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=46711 / 14983966.15] [Invalid=12 / 2917.34]
Literal question	Do you get advisory services?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	26657	9057338.4	60.4%
2	No	20054	5926627.7	39.6%
Sysmiss		12	2917.3	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#18 F7: If no in # 6 Why?

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=20048 / 5925505.04] [Invalid=26675 / 9061378.45]
Literal question	If no in # 6 Why?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Non-availability of the service	5295	1208642.9	20.4%
2	Inadequate services provided	8719	2829810.5	47.8%
3	Ignorance	3910	1187596.6	20.0%
4	Doesn't yield any results	665	202320.2	3.4%
5	Others	1459	497135.0	8.4%
Sysmiss		26675	9061378.4	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#19 F8: Your major supplier of fertilizer is

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=44393 / 14328701.92] [Invalid=2330 / 658181.57]
Literal question	Your major supplier of fertilizer is

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Government organizations	10043	3565121.0	24.9%
2	Private organizations	2564	958835.7	6.7%
3	Merchants	3272	1301263.3	9.1%
4	Others	2965	1275367.0	8.9%
5	Never used fertilizer	25549	7228114.9	50.4%
Sysmiss		2330	658181.6	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#20 F9A: Total Chemical fertilizers (Urea+Dap) purchased for main season in 2003 E.C

Information	[Type= continuous] [Format=numeric] [Range= 0-8779.02] [Missing=*]
Statistics [NW/ W]	[Valid=19431 / 7263750.14] [Invalid=27292 / 7723133.35] [Mean=88.125 / 90.608] [StdDev=159.429 / 164.49]
Literal question	Total Chemical fertilizers (Urea+Dap) purchased for main season in 2003 E.C

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#21 F9B: Total Dap fertilizers purchased for main season in 2003 E.C

Information	[Type= continuous] [Format=numeric] [Range= 0-8773.02] [Missing=*]
Statistics [NW/ W]	[Valid=23526 / 8976491.24] [Invalid=23197 / 6010392.25] [Mean=48.062 / 47.716] [StdDev=107.307 / 106.492]
Literal question	Total Dap fertilizers purchased for main season in 2003 E.C

#22 F9C: Total Urea fertilizers purchased for main season in 2003 E.C

Information	[Type= continuous] [Format=numeric] [Range= 0-3125] [Missing=*]
Statistics [NW/ W]	[Valid=22949 / 8823127.98] [Invalid=23774 / 6163755.51] [Mean=26.033 / 26.578] [StdDev=68.189 / 70.779]
Literal question	Total Urea fertilizers purchased for main season in 2003 E.C

#23 F10: How many oxen do you have in this Meher season?

Information	[Type= discrete] [Format=numeric] [Range= 0-20] [Missing=*]
Statistics [NW/ W]	[Valid=40710 / 13229936.93] [Invalid=6013 / 1756946.56] [Mean=1.056 / 1.09] [StdDev=1.144 / 1.129]
Literal question	How many oxen do you have in this Meher season?

Value	Label	Cases	Weighted	Percentage (Weighted)
0		16434	5024939.5	38.0%
1		10322	3508450.3	26.5%
2		11389	3856250.1	29.1%
3		1195	410163.5	3.1%
4		1056	335067.2	2.5%
5		101	29472.3	0.2%
6		134	41004.4	0.3%
7		13	4215.4	0.0%
8		27	8435.6	0.1%
9		5	2024.6	0.0%
10		16	4549.7	0.0%
11		4	832.1	0.0%
12		9	2786.9	0.0%
14		2	914.4	0.0%
20		3	831.2	0.0%
Sysmiss		6013	1756946.6	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#24 F11: If you have one or no ox how do you plough?

Information	[Type= discrete] [Format=numeric] [Range= 1-7] [Missing=*]
Statistics [NW/ W]	[Valid=30980 / 9868896.51] [Invalid=15743 / 5117986.98]
Literal question	If you have one or no ox how do you plough?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	By renting ox	2772	854965.9	8.7%
2	By pairing mine with someone's ox	8893	3019173.7	30.6%
3	By pairing mine with cow/ horse	481	167467.8	1.7%
4	Using horses or cows	474	166770.5	1.7%
5	Hand digging	9035	2647923.9	26.8%
6	Using borrowed oxen	7503	2451877.5	24.8%
7	Others	1822	560717.3	5.7%

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#24 F11: If you have one or no ox how do you plough?

Value	Label	Cases	Weighted	Percentage (Weighted)
Sysmiss		15743	5117987.0	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#25 F12: Total number of fields recorded for the holder

Information	[Type= continuous] [Format=numeric] [Range= 0-99] [Missing=*]
Statistics [NW/ W]	[Valid=46526 / 14931746.28] [Invalid=197 / 55137.21] [Mean=9.096 / 9.468] [StdDev=6.139 / 6.143]
Literal question	Total number of fields recorded for the holder

#26 F13: Total number of crop fields recorded for the holder

Information	[Type= continuous] [Format=numeric] [Range= 0-86] [Missing=*]
Statistics [NW/ W]	[Valid=46420 / 14902456.74] [Invalid=303 / 84426.75] [Mean=6.486 / 6.756] [StdDev=4.892 / 4.814]
Literal question	Total number of crop fields recorded for the holder

#27 F14: Has the holder ploughed additional fields over that of the previous year?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=44693 / 14481750.73] [Invalid=2030 / 505132.76]
Literal question	Has the holder ploughed additional fields over that of the previous year?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	5736	1992585.2	13.8%
2	No	38957	12489165.5	86.2%
Sysmiss		2030	505132.8	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#28 F15: If yes in question # 13, what was the previous state of the additional fields?

Information	[Type= discrete] [Format=numeric] [Range= 1-4] [Missing=*]
Statistics [NW/ W]	[Valid=5777 / 2002609.13] [Invalid=40946 / 12984274.36]
Literal question	If yes in question # 13, what was the previous state of the additional fields?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Holder's virgin land	1503	482049.7	24.1%
2	Public/ Community virgin land	929	281988.3	14.1%
3	Borrowed fallow land	3027	1128173.8	56.3%
4	Others	318	110397.4	5.5%
Sysmiss		40946	12984274.4	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Documentation

Reports and analytical documents

Agricultural Sample Survey 2010-2011 (2003 E.C) Volume I, Area and Production of Crops, *Private Peasant Holdings, "Meher" Season*, Central Statistical Agency, May 2011, Ethiopia [eth], English [eng], "Doc\Reports \Area_and_Production_Report.pdf"

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Questionnaires

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Technical documents

Form for Requesting Access to Raw Data, Central Statistical Agency, Ethiopia [eth], English [eng], "Doc \Technical\CSA_data_request_form.pdf"