Ethiopia

Central Statistical Agency, Ministry of Finance and Economic Development

Agricultural Sample Survey 2008-2009 (2001 E.C)

Study Documentation

December 24, 2010

Metadata Production

Metadata Producer(s)	Central Statistical Agency (CSA) , Ministry of Finance and Economic Development , Production and documentation of the study International Household Survey Network (IHSN) , Review of the metadata
Production Date	June 10, 2009
Version	Version 1.1: Edited on December 2010.
Identification	DDI-ETH-CSA-AgSS-2008-v1.1

Table of Contents

Ethiopia (2008)
Agricultural Sample Survey 2008-2009 (2001 E.C) (AgSS 2008-2009)

Overview

Type	Agricultural Survey [ag/oth]
Identification	ETH-CSA-AgSS-2008-v1.1
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, 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.

Geographic Coverage

The 2008-2009 (2001 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. Accordingly the survey took into account of all parts of Harari, Dire Dawa, and 68 Zones / special weredas (that are treated as zones) of other regions

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 2008/09 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. Except Harari, and Dire Dawa, where each region as a whole was taken to be the domain of estimation; each zone of a region / special wereda was adopted as a stratum 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 1999 E.C cartographic 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.

Response Rate
A total of 2,290 Enumeration Areas (EAs) were selected. However, due to various reasons that are beyond control, in 48 EAs the survey could not be successful and hence interrupted. Thus, all in all the survey succeeded to cover 2242 EAs (97 %) 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 45,800 agricultural households, however, 44,922 (98 %) were actually covered by the survey.

Data Collection

Data Collection Dates	start 2008-09 end 2008-12
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 Department of Regional Offices and Field Operations 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 2384 enumerators, 529 field supervisors, 46 coordinators and 62 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 Head Quarters of CSA 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 12 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 and interviewing methods.

METHOD OF DATA COLLECTION:
The agricultural data for the year 2008/09(2001 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 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.

Questionnaires

The 2008-2009 annual Agricultural Sample Survey used structured questionnaires to collect agricultural information from selected sample households.
List of forms in the questionnaires:
- AgSS Form 2001/0: It contains forms that used to list all households in the sample areas.
- AgSS Form 2001/1: It contains forms that used to list selected agricultural households and holders in the sample areas.
- AgSS Form 2001/2A: It contains forms that used to collect information about crops, results of area measurements covered by crops and other land uses.
- AgSS Form 2001/2B: It contains forms that used to collect information about miscellaneous questions for the holders.
- AgSS Form 2001/4: It contains forms that used to collect information about list of temporary crop fields for selecting crop cutting plots.
- AgSS Form 2001/5: It contains forms that used to collect information about list of temporary crop cutting results.

Note: The questionnaires are presented in the Appendix IV of the 2008-2009 Agricultural Sample Survey report, Volume I which is provided as external resource.

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

Data Processing & Appraisal

Data Editing

a) 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 54 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 21 days.

b) Data Entry, Cleaning and Tabulation
Before data entry, the Natural Resources and Agricultural Statistics Department 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 90 data encoders, 10 data encoder supervisors, 13 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 Natural Resources and Agricultural Statistics Department. 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 Data processing Department.

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 of Agricultural Sample Survey 2008-2009 report, Volume I which is provided as external resource. 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 2008-2009) "

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)

AreaProd_data2001EC	
# Cases	0
# Variable(s)	47

Holder_data_2001EC	
# Cases	0
# Variable(s)	15

Miscellaneous2001EC	
# Cases	0
# Variable(s)	25

Variables List

Dataset contains 87 variable(s)

File AreaProd_data2001EC

#	Name	Label	Type	Format	Valid	Invalid	Question
1	REG	Region	continuous	numeric-2.0	0	0	Region
2	ZONE	Zone	continuous	numeric-2.0	0	0	Zone
3	DIST	District	continuous	numeric-2.0	0	0	District
4	FA	Farmers Association	continuous	numeric-3.0	0	0	Farmers Association
5	EA	Enumeration Area	continuous	numeric-2.0	0	0	Enumeration Area
6	HH	Household Id	continuous	numeric-3.0	0	0	Household Id
7	HHSEX	Head sex	continuous	numeric-1.0	0	0	Head sex
8	HID	Holder id	continuous	numeric-1.0	0	0	Holder id
9	PARCEL	Parcel	continuous	numeric-2.0	0	0	Parcel
10	FLD	Field	continuous	numeric-2.0	0	0	Field
11	FWEIGHT	Sampling Weight	continuous	numeric-7.2	0	0	Sampling Weight
12	PART	Field Part	continuous	numeric-1.0	0	0	Field Part
13	FLDTYPE	Field Type	continuous	numeric-1.0	0	0	Field Type
14	CROP	Crop or Landuse	continuous	numeric-3.0	0	0	Crop or Landuse
15	OWNTYPE	Owner type	continuous	numeric-1.0	0	0	Owner type
16	EXT	Extension	continuous	numeric-1.0	0	0	Extension
17	IRRG	Irrigation Used	continuous	numeric-1.0	0	0	Irrigation Used
18	SIRRG	Source of water for irrigation	continuous	numeric-1.0	0	0	Source of water for irrigation
19	SERRO	Soil Erosion	continuous	numeric-1.0	0	0	Soil Erosion
20	MERRO	Measure taken to soil erosion	continuous	numeric-1.0	0	0	Measure taken to soil erosion
21	TREES	Number of Trees	continuous	numeric-5.0	0	0	Number of Trees
22	TREESBA	Number of Trees of Bearing Age	continuous	numeric-5.0	0	0	Number of Trees of Bearing Age
23	SEEDTYPE	Seed Type	continuous	numeric-1.0	0	0	Seed Type
24	WTIMSEED	Weight of Improved Seed	continuous	numeric-8.3	0	0	Weight of Improved Seed
25	COSTIMPS	Improved Seed Cost	continuous	numeric-9.2	0	0	Improved Seed Cost
26	WTNISEED	Weight of Non-improved Seed	continuous	numeric-8.3	0	0	Weight of Non-improved Seed
27	DAMAGE	Any Damage?	continuous	numeric-1.0	0	0	Any Damage?
28	DREASON	Damage Reason	continuous	numeric-2.0	0	0	Damage Reason
29	DPERCENT	Damage Percent	continuous	numeric-3.0	0	0	Damage Percent
30	DMEASURE	Any Measure to Prevent Damage	continuous	numeric-1.0	0	0	Any Measure to Prevent Damage
31	DMTYPE	Type of Damage Prevention	continuous	numeric-1.0	0	0	Type of Damage Prevention
32	DMCHEM	Chemical Used	continuous	numeric-1.0	0	0	Chemical Used

File AreaProd_data2001EC

#	Name	Label	Type	Format	Valid	Invalid	Question
33	FERT	Fertilizer Used	continuous	numeric-1.0	0	0	Fertilizer Used
34	FERTTYPE	Fertilizer Type	continuous	numeric-1.0	0	0	Fertilizer Type
35	D22A	Type of Chemical fertiluzer Used?	continuous	numeric-1.0	0	0	Type of Chemical fertiluzer Used?
36	D22B	If Chemical Fertilizer,Quantity in KG	continuous	numeric-8.3	0	0	If Chemical Fertilizer,Quantity in KG
37	D23	Type of Natural fertilizer	continuous	numeric-1.0	0	0	Type of Natural fertilizer
38	D24	How many times do you produce crops	continuous	numeric-1.0	0	0	How many times do you produce crops
39	D25A	Crops	continuous	numeric-3.0	0	0	Crops
40	D26	What was the field used for?	continuous	numeric-1.0	0	0	What was the field used for?
41	APERCENT	Percent of Field in Use	continuous	numeric-3.0	0	0	Percent of Field in Use
42	CERROR	Closure Error	continuous	numeric-7.2	0	0	Closure Error
43	ENUMAREA	Enumerator Area in sqm	continuous	numeric-8.2	0	0	Enumerator Area in sqm
44	COMPAREA	Computed Area in sqm	continuous	numeric-8.2	0	0	Computed Area in sqm
45	AREAH	Area in hectare	continuous	numeric-8.6	0	0	Area in hectare
46	LANDUSE	Land Utilization	continuous	numeric-1.0	0	0	Land Utilization
47	PRODQ	Production in Quintal	continuous	numeric-10.4	0	0	Production in Quintal

File Holder_data_2001EC

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

File Miscellaneous2001EC

#	Name	Label	Type	Format	Valid	Invalid	Question
1	REG	Region	continuous	numeric-2.0	0	0	Region
2	ZONE	Zone	continuous	numeric-2.0	0	0	Zone
3	DIST	District	continuous	numeric-2.0	0	0	District
4	FA	Farmers Association	continuous	numeric-3.0	0	0	Farmers Association
5	EA	Enumeration Area	continuous	numeric-2.0	0	0	Enumeration Area
6	HH	Household Id	continuous	numeric-3.0	0	0	Household Id
7	HHSEX	Head sex	continuous	numeric-1.0	0	0	Head sex
8	HID	Holder id	continuous	numeric-1.0	0	0	Holder id
9	PARCEL	Parcel	continuous	numeric-2.0	0	0	Parcel
10	FLD	Field	continuous	numeric-2.0	0	0	Field
11	AWGT	Sampling Weight	continuous	numeric-7.2	0	0	Sampling Weight
12	F1	Crop Rotation Used?	continuous	numeric-1.0	0	0	Crop Rotation Used?
13	F2	Reason for not using chemicals	continuous	numeric-1.0	0	0	Reason for not using chemicals
14	F3	Reason for not using extention	continuous	numeric-1.0	0	0	Reason for not using extention
15	F4	Credit used?	continuous	numeric-1.0	0	0	Credit used?
16	F5	Reason for not using credit facility	continuous	numeric-1.0	0	0	Reason for not using credit facility
17	F6	Consultation used?	continuous	numeric-1.0	0	0	Consultation used?
18	F7	Reason for not using consultation	continuous	numeric-1.0	0	0	Reason for not using consultation
19	F8	Where do you buy chemical fertilizer	continuous	numeric-1.0	0	0	Where do you buy chemical fertilizer
20	F9	How many plowing oxen do you have?	continuous	numeric-2.0	0	0	How many plowing oxen do you have?
21	F10	What do you use to plow if you don't have enough oxen?	continuous	numeric-1.0	0	0	What do you use to plow if you don't have enough oxen?
22	F11	Total number of fields do you have	continuous	numeric-2.0	0	0	Total number of fields do you have
23	F12	Total crop land fields	continuous	numeric-2.0	0	0	Total crop land fields
24	F13	Do you cultivate additional fields?	continuous	numeric-1.0	0	0	Do you cultivate additional fields?
25	F14	What was the new fields before?	continuous	numeric-1.0	0	0	What was the new fields before?

Variables Description

Dataset contains87 variable(s)

File AreaProd_data2001EC

#1 REG: Region	
Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Region
#2 ZONE: Zone	
Information	[Type= continuous] [Format=numeric] [Range= 1-21] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Zone
#3 DIST: District	
Information	[Type= continuous] [Format=numeric] [Range= 1-24] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	District
#4 FA: Farmers Association	
Information	[Type= continuous] [Format=numeric] [Range= 1-403] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Farmers Association
#5 EA: Enumeration Area	
Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Enumeration Area
#6 HH: Household Id	
Information	[Type= continuous] [Format=numeric] [Range= 0-891] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Household Id
#7 HHSEX: Head sex	
Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Head sex
#8 HID: Holder id	
Information	[Type= continuous] [Format=numeric] [Range= 1-8] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Holder id
#9 PARCEL: Parcel	
Information	[Type= continuous] [Format=numeric] [Range= 1-89] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Parcel

File AreaProd_data2001EC

#10 FLD: Field

Information	[Type= continuous] [Format=numeric] [Range= 1-91] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Field

#11 FWEIGHT: Sampling Weight

Information	[Type= continuous] [Format=numeric] [Range= 4.96-1261.91] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Sampling Weight

#12 PART: Field Part

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

#13 FLDTYPE: Field Type

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

#14 CROP: Crop or Landuse

Information	[Type= continuous] [Format=numeric] [Range= 1-124] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Crop or Landuse

#15 OWNTYPE: Owner type

Information	[Type= continuous] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Owner type

Value	Label	Cases	Percentage
1	Private		
2	Rent/leased		
3	Other		

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 EXT: Extension

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Extension

Value	Label	Cases	Percentage
1	Yes		
2	No		

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 IRRG: Irrigation Used

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]

File AreaProd_data2001EC

#17 IRRG: Irrigation Used

Literal question	Irrigation Used

Value	Label	Cases	Percentage
1	Yes		
2	No		

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 SIRRG: Source of water for irrigation

Information	[Type= continuous] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Source of water for irrigation

#19 SERRO: Soil Erosion

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Soil Erosion

#20 MERRO: Measure taken to soil erosion

Information	[Type= continuous] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Measure taken to soil erosion

#21 TREES: Number of Trees

Information	[Type= continuous] [Format=numeric] [Range= 0-99999] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Number of Trees

Value	Label	Cases	Percentage
99999	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.

#22 TREESBA: Number of Trees of Bearing Age

Information	[Type= continuous] [Format=numeric] [Range= 0-99999] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Number of Trees of Bearing Age

Value	Label	Cases	Percentage
99999	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.

#23 SEEDTYPE: Seed Type

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Seed Type

Value	Label	Cases	Percentage
1	Improved		
2	Non_improved		

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.

File AreaProd_data2001EC

#24 WTIMSEED: Weight of Improved Seed

Information	[Type= continuous] [Format=numeric] [Range= 0-9999.999] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Weight of Improved Seed

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.

#25 COSTIMPS: Improved Seed Cost

Information	[Type= continuous] [Format=numeric] [Range= 0.1-999999.99] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Improved Seed Cost

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.

#26 WTNISEED: Weight of Non-improved Seed

Information	[Type= continuous] [Format=numeric] [Range= 0-9999.999] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Weight of Non-improved Seed

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.

#27 DAMAGE: Any Damage?

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Any Damage?

Value	Label	Cases	Percentage
1	Yes		
2	No		

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 DREASON: Damage Reason

Information	[Type= continuous] [Format=numeric] [Range= 1-40] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Damage Reason

Value	Label	Cases	Percentage
1	Too much rain		
2	Too little rain		
3	Insects		
4	Crop disease		
5	Weeds		
6	Hail		
7	Frost		

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#28 DREASON: Damage Reason

Value	Label	Cases	Percentage
8	Floods		
9	Wild animals		
10	Locust		
11	Birds		
12	Shortage of seed		
13	Depletion of soi		
14	Security problem		
15	Other		

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.

#29 DPERCENT: Damage Percent

Information	[Type= continuous] [Format=numeric] [Range= 0-999] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Damage Percent

Value	Label	Cases	Percentage
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.

#30 DMEASURE: Any Measure to Prevent Damage

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Any Measure to Prevent Damage

Value	Label	Cases	Percentage
1	Yes		
2	No		

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 DMTYPE: Type of Damage Prevention

Information	[Type= continuous] [Format=numeric] [Range= 1-4] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Type of Damage Prevention

Value	Label	Cases	Percentage
1	Chemical		
2	Non_chemical		
3	Both		

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 DMCHEM: Chemical Used

Information	[Type= continuous] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Chemical Used

Value	Label	Cases	Percentage
1	Insecticide		
2	Herbicide		

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#32 DMCHEM: Chemical Used

Value	Label	Cases	Percentage
3	Fungicide		
4	Insectcide & Her		
5	Insectcide & Fun		
6	Herbicide & Fung		
7	All		
9	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.

#33 FERT: Fertilizer Used

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Fertilizer Used

Value	Label	Cases	Percentage
1	Yes		
2	No		

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 FERTTYPE: Fertilizer Type

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

Value	Label	Cases	Percentage
1	Natural		
2	Chemical		
3	Both		

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 D22A: Type of Chemical fertiluzer Used?

Information	[Type= continuous] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Type of Chemical fertiluzer Used?

Value	Label	Cases	Percentage
1	Urea		
2	DAP		
3	Both		
9	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.

#36 D22B: If Chemical Fertilizer,Quantity in KG

Information	[Type= continuous] [Format=numeric] [Range= 0-9999.999] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	If Chemical Fertilizer,Quantity in KG

Value	Label	Cases	Percentage
9999.99	Not stated		

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#36 D22B: If Chemical Fertilizer,Quantity in KG

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 D23: Type of Natural fertilizer

Information	[Type= continuous] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Type of Natural fertilizer

Value	Label	Cases	Percentage
1	Manure		
2	Humese/besebash		
3	Both		
4	Others		
9	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.

#38 D24: How many times do you produce crops

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	How many times do you produce crops

#39 D25A: Crops

Information	[Type= continuous] [Format=numeric] [Range= 0-999] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Crops

#40 D26: What was the field used for?

Information	[Type= continuous] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	What was the field used for?

#41 APERCENT: Percent of Field in Use

Information	[Type= continuous] [Format=numeric] [Range= 0-100] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Percent of Field in Use

Value	Label	Cases	Percentage
0	Land use only		
100	Single crop		

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 CERROR: Closure Error

Information	[Type= continuous] [Format=numeric] [Range= 0-9999.99] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Closure Error

#43 ENUMAREA: Enumerator Area in sqm

Information	[Type= continuous] [Format=numeric] [Range= 0-99999.99] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]

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#43 ENUMAREA: Enumerator Area in sqm

Literal question	Enumerator Area in sqm

#44 COMPAREA: Computed Area in sqm

Information	[Type= continuous] [Format=numeric] [Range= 0-99156.96] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Computed Area in sqm

#45 AREAH: Area in hectare

Information	[Type= continuous] [Format=numeric] [Range= 0-9.999999] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Area in hectare

#46 LANDUSE: Land Utilization

Information	[Type= continuous] [Format=numeric] [Range= 1-6] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Land Utilization

Value	Label	Cases	Percentage
1	Temporary crop land		
2	Permanent crop land		
3	Grazing land		
4	Fallow Land		
5	Wood land		
6	Other land use		

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.

#47 PRODQ: Production in Quintal

Information	[Type= continuous] [Format=numeric] [Range= 0-35897.8908] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Production in Quintal

File Holder_data_2001EC

#1 REG: Region

Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Region

#2 ZONE: Zone

Information	[Type= continuous] [Format=numeric] [Range= 1-21] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Zone

#3 DIST: District

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

File Holder_data_2001EC

#4 FA: Farmers Association

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

#5 EA: Enumeration Area

Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Enumeration Area

#6 HH: Household Id

Information	[Type= continuous] [Format=numeric] [Range= 0-891] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Household Id

#7 HHSEX: Head sex

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

#8 HID: Holder id

Information	[Type= continuous] [Format=numeric] [Range= 1-8] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Holder id

#9 HWEIGHT: Sampling Weight

Information	[Type= continuous] [Format=numeric] [Range= 4.96-1261.91] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Sampling Weight

#10 AGE: Age

Information	[Type= continuous] [Format=numeric] [Range= 0-99] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Age

#11 SEX: Sex

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

Value	Label	Cases	Percentage
1	Male		
2	Female		

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= continuous] [Format=numeric] [Range= 1-15] [Missing=*/99]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]

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#12 **EDUC: Education (Highest Grade)**	
Literal question	Education (Highest Grade)
#13 **V12: Household Size**	
Information	[Type= continuous] [Format=numeric] [Range= 0-20] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Household Size
#14 **HTYPE: Type of Holding**	
Information	[Type= continuous] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Type of Holding
#15 **HRATIO: Sampling Ratio**	
Information	[Type= continuous] [Format=numeric] [Range= 0.01289-0.8547945] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Sampling Ratio

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#1 **REG: Region**	
Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Region
#2 **ZONE: Zone**	
Information	[Type= continuous] [Format=numeric] [Range= 1-21] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Zone
#3 **DIST: District**	
Information	[Type= continuous] [Format=numeric] [Range= 1-24] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	District
#4 **FA: Farmers Association**	
Information	[Type= continuous] [Format=numeric] [Range= 1-403] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Farmers Association
#5 **EA: Enumeration Area**	
Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Enumeration Area
#6 **HH: Household Id**	
Information	[Type= continuous] [Format=numeric] [Range= 0-891] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]

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#6 **HH: Household Id**	
Literal question	Household Id
#7 **HHSEX: Head sex**	
Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Head sex
#8 **HID: Holder id**	
Information	[Type= continuous] [Format=numeric] [Range= 1-8] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Holder id
#9 **PARCEL: Parcel**	
Information	[Type= continuous] [Format=numeric] [Range= 99-99] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Parcel
#10 **FLD: Field**	
Information	[Type= continuous] [Format=numeric] [Range= 99-99] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Field
#11 **AWGT: Sampling Weight**	
Information	[Type= continuous] [Format=numeric] [Range= 4.96-1261.91] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Sampling Weight
#12 **F1: Crop Rotation Used?**	
Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Crop Rotation Used?
#13 **F2: Reason for not using chemicals**	
Information	[Type= continuous] [Format=numeric] [Range= 1-7] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Reason for not using chemicals
#14 **F3: Reason for not using extention**	
Information	[Type= continuous] [Format=numeric] [Range= 1-6] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Reason for not using extention
#15 **F4: Credit used?**	
Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Credit used?

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#16 **F5: Reason for not using credit facility**	
Information	[Type= continuous] [Format=numeric] [Range= 1-6] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Reason for not using credit facility
#17 **F6: Consultation used?**	
Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Consultation used?
#18 **F7: Reason for not using consultation**	
Information	[Type= continuous] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Reason for not using consultation
#19 **F8: Where do you buy chemical fertilizer**	
Information	[Type= continuous] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Where do you buy chemical fertilizer
#20 **F9: How many plowing oxen do you have?**	
Information	[Type= continuous] [Format=numeric] [Range= 0-14] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	How many plowing oxen do you have?
#21 **F10: What do you use to plow if you don't have enough oxen?**	
Information	[Type= continuous] [Format=numeric] [Range= 1-7] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	What do you use to plow if you don't have enough oxen?
#22 **F11: Total number of fields do you have**	
Information	[Type= continuous] [Format=numeric] [Range= 0-99] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Total number of fields do you have
#23 **F12: Total crop land fields**	
Information	[Type= continuous] [Format=numeric] [Range= 1-66] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Total crop land fields
#24 **F13: Do you cultivate additional fields?**	
Information	[Type= continuous] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	Do you cultivate additional fields?
#25 **F14: What was the new fields before?**	
Information	[Type= continuous] [Format=numeric] [Range= 1-4] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]

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#25 F14: What was the new fields before?

Literal question	What was the new fields before?

Documentation

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