Ethiopia

Central Statistical Agency, Ministry of Finance and Economic Development

Agricultural Sample Survey 2006-2007 (1999 E.C)

Study Documentation

December 28, 2010

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Ethiopia (2006)
Agricultural Sample Survey 2006-2007 (1999 E.C) (AgSS 2006-2007)

Overview

Type	Agricultural Survey [ag/oth]
Identification	ETH-CSA-AgSS-2006-v1.1
Version	Version 1.1: Edited and non anonymized dataset, for internal use only.

Abstract

The sound performance of agriculture warrants the availability of food crops. This accomplishment in agriculture does not only signify the adequate acquisition of food crops to attain food security, but also heralds a positive aspect of the economy. In regard to this, collective efforts are being geared to securing agricultural outputs of the desired level so that self reliance in food supply can be achieved and disaster caused food shortages be contained in the shortest possible time in Ethiopia. The prime role that agriculture plays in a country's political, economic and social stability makes measures of agricultural productions extremely sensitive. Statistics collected on agricultural productions are, therefore, fraught with questions of reliability by data users. To tackle these questions convincingly and dissipate the misgivings of users, information on agriculture has to be collected using standard procedures of data collection. Upholding this principle, the Central Statistical Agency (CSA) has been furnishing statistical information on the country's agriculture since 1980/81 to alert policy interventionists on the changes taking place in the agricultural sector. As part of this task the 2006-07 (1999 E.C) Agricultural Sample Survey (AgSS) was conducted to provide data on crop area and production of crops within the private peasant holdings for Main (“Meher”) Season of the specified year.

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 specific objectives of Main (“Meher”) Season Post Harvest Survey are:
- To estimate the total crop area, volume of crop production and yield of crops for Main (“Meher”) Season agriculture in Ethiopia.
- To estimate the total volume of inputs used, inputs applied area and number of holders using inputs.
- To estimate the total cultivated area and other forms of land use.

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 2006-2007 (1999 E.C) annual Agricultural Sample Survey ("Meher" season) covered the entire rural parts of the country except Gambella Region, and the non-sedentary population of three zones of Afar & six zones of Somali 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 agricultural households obtained from the 2001-2002 Ethiopian Agricultural Sample Enumeration (EASE) 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. Resettlement localities, on the other hand, are sub-samples of the list of all resettlements localities obtained from each region. The second stage sampling units, households, were selected from a fresh list of households that were prepared for each EA/ resettlement localities 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) /resettlement localities were taken to be the primary sampling units (PSUs) and the secondary sampling units (SSUs) were agricultural households. The sample size for the 2006-2007 agricultural sample survey was determined by taking into account 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, Addis Ababa 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. Moreover, values for the 2006/07 cultivated areas of crops and the expected amount of production for Gambella region are also provided. However, it is important to note that these values are not obtained from the survey but they are projections from the results of the 2003-2004 annual Crop Production Forecast Sample Survey.

Selection Scheme:
Enumeration areas/resettlement localities 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 1994 Population & Housing Census and adjusted for the sub-sampling effect. Sizes for resettlement localities on the other hand were obtained from the 2004 listings of resettlement localities. From the fresh list of households prepared at the beginning of the survey 20 agricultural households within each sample EA/resettlement locality were selected systematically.

Note: Distribution of sampling units (sampled and covered EAs and resettlement localities) by stratum is also presented in Appendix III of 2006-2007 Agricultural Sample Survey, Volume I report which is provided as external resource.

Response Rate
To be covered by the survey, a total of 2,117 enumeration areas (EAs) and 250 resettlement localities were selected. However, due to various reasons that are beyond control, in 22 EAs and 2 resettlement localities the survey was disrupted. Thus, all in all the survey succeeded to cover 2,095 EAs and 248 resettlement localities (98.99%) throughout the regions. The Annual Agricultural Sample survey (“Meher” season) was conducted on the basis of 20 agricultural households selected from each EA/resettlement locality. Regarding the ultimate sampling units, it was intended to cover a total of 48,300 agricultural households, however, 46,702 (96.69%) were actually covered by the survey

Data Collection

Data Collection Dates	start 2006-09 end 2006-12
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 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 2388 enumerators, 455 field supervisors, 25 coordinators and 50 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 205 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 10 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 fifteen days in all the twenty- five Branch Statistical Offices, except in Gambella, 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 2006-2007(1999 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 2006-2007 annual Agricultural Sample Survey used structured questionnaires to collect agricultural information from selected sample households.

List of forms in the questionnaires:

- AgSS Form 99/0: It contains forms that used to list all households in the sample areas.
- AgSS Form 99/1: It contains forms that used to list selected households in the sample areas.
- AgSS Form 99/2A: It contains forms that used to collect information about crops, results of area measurements covered by crops and other land uses.
- AgSS Form 99/2B: It contains forms that used to collect information about miscellaneous questions for the holders.

- AgSS Form 99/4: It contains forms that used to collect information about list of temporary crop fields for selecting crop cutting plots.
- AgSS Form 99/5: It contains forms that used to collect information about list of temporary crop cutting results.

Note: The questionnaires are presented in the Appendix III of the 2006-2007 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

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 43 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 35 days.

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 60 data encoders and it took 75 days to finish the job. Finally, summarization of the data was done on personal computers to produce statistical tables as per the tabulation plan.

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 of 2006-2007 Agricultural Sample Survey, Volume I report which is provided as external resource.

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 (AgSS2006-2007) "

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.

Copyright	(c) 2006, Central Statistical Agency of Ethiopia

Files Description

Dataset contains 3 file(s)

Holder Characteristics_NACR02	
# Cases	49709
# Variable(s)	15
File Content Dataset collected at household holder level and contains information about holder's sex, age, educational background and type of holding.	
Producer Central Statistical Agency of Ethiopia	
Version Version 1.1: In this version of the dataset appropriate variable information are provided and missing variable documentation information is also given including value labels.	

Field Characteristics main_99	
# Cases	596326
# Variable(s)	50
File Content This file contains the area and production obtained from each field in addition to some agricultural practices information, like usage of fertilizer, irrigation usage information, improved seed, quantity of fertilizer and improved seed used etc.	
Producer Central Statistical Agency of Ethiopia	
Version Version 1.1: In this version of the dataset appropriate variable information are provided and missing variable documentation information is also given including value labels.	

Miscellaneous_NACR51	
# Cases	49638
# Variable(s)	23
File Content This file contains information on some agricultural practices like crop rotation, extension usage, and source of irrigation if used and use of credit service.	
Producer Central Statistical Agency of Ethiopia	
Version Version 1.1: In this version of the dataset appropriate variable information are provided and missing variable documentation information is also given including value labels.	

Variables List

Dataset contains 88 variable(s)

File Holder Characteristics_NACR02

#	Name	Label	Type	Format	Valid	Invalid	Question
1	reg	Region	discrete	numeric-2.0	49709	0	Region
2	zone	Zone	continuous	numeric-2.0	49709	0	Zone
3	dist	District	continuous	numeric-2.0	49709	0	District (wereda)
4	fa	Farmers association	continuous	numeric-3.0	49709	0	Farmers association (FA)
5	ea	Enumeration area	continuous	numeric-2.0	49709	0	Enumeration area
6	hh	Household id number	continuous	numeric-3.0	49709	0	Household id number
7	hhsex	Household head sex	discrete	numeric-1.0	49709	0	Household head sex
8	hid	Holder id number	continuous	numeric-1.0	49709	0	Holder id number
9	hweight	Holder weight	continuous	numeric-7.2	49709	0	Holder weight
10	age	Holder's age	continuous	numeric-2.0	49709	0	Holder's age
11	sex	Holder's sex	discrete	numeric-1.0	49709	0	Holder's sex
12	educ	Educational status or highest grade completed	discrete	numeric-2.0	49709	0	Educational status or highest grade completed
13	v12	Household size	continuous	numeric-2.0	49709	0	Household size
14	htype	Type of holding	discrete	numeric-1.0	49709	0	Type of holding
15	hratio	Holder ratio	continuous	numeric-9.7	49709	0	Holder ratio

File Field Characteristics main_99

#	Name	Label	Type	Format	Valid	Invalid	Question
1	reg	Region	discrete	numeric-2.0	596326	0	Region
2	zone	Zone	continuous	numeric-2.0	596326	0	Zone
3	dist	District	continuous	numeric-2.0	596326	0	District (wereda)
4	fa	Farmers association	continuous	numeric-3.0	596326	0	Farmers association (FA)
5	ea	Enumeration area	continuous	numeric-2.0	596326	0	Enumeration area
6	hh	Household id number	continuous	numeric-3.0	596326	0	Household id number
7	hhsex	Household head sex	discrete	numeric-1.0	596326	0	Household head sex
8	hid	Holder id number	continuous	numeric-1.0	596326	0	Holder id number
9	parcel	Parcel	continuous	numeric-2.0	596326	0	Parcel
10	fld	Field	continuous	numeric-2.0	596326	0	Field
11	fweight	Fweight	continuous	numeric-7.2	596326	0	Sample weight
12	part	Part	continuous	numeric-1.0	596326	0	part
13	fldtype	Field type	discrete	numeric-1.0	596326	0	Field type
14	crop	Crop	discrete	numeric-3.0	596326	0	Crop
15	owntype	Ownership type	discrete	numeric-1.0	596326	0	Ownership type
16	ext	The field under extension program	discrete	numeric-1.0	458683	137643	Is the field under extension program?

File Field Characteristics main_99

#	Name	Label	Type	Format	Valid	Invalid	Question
17	irrg	Used irrigation	discrete	numeric-1.0	488635	107691	Is field irrigated?
18	sirrg	Source of water for irrigation	discrete	numeric-1.0	14441	581885	If field irrigated, what is the source of water?
19	serro	Prevented from soil erosion	discrete	numeric-1.0	529083	67243	Prevention for soil erosion?
20	merro	Common way of prevention	discrete	numeric-1.0	272748	323578	Common way of prevention
21	trees	Number of fruit trees	continuous	numeric-7.0	66389	529937	Number of fruit trees
22	treesba	Number of fruit bearing trees	continuous	numeric-7.0	66381	529945	Number of fruit bearing trees
23	seedtype	Seed type	discrete	numeric-1.0	458577	137749	Seed / seedling type
24	wtimseed	Weight of improved seed	continuous	numeric-8.3	384647	211679	Weight of improved seed
25	costimps	Cost of improved seed	continuous	numeric-9.2	455994	140332	Cost of improved seed
26	wtniseed	Weight of non-improved seed	continuous	numeric-8.3	254225	342101	Weight of non-improved seed
27	damage	Crop damaged	discrete	numeric-1.0	456596	139730	Was crop dammaged?
28	dreason	Cause of damage	discrete	numeric-2.0	118951	477375	Cause of damage
29	dpercent	Percent of dammaged crop	continuous	numeric-3.0	118657	477669	Percent of dammaged crop
30	dmeasure	Measure taken to prevent the damage	discrete	numeric-1.0	456364	139962	Was prevention/precaution measure taken?
31	dmtype	Type of measure taken	discrete	numeric-1.0	378854	217472	Type of measure taken
32	dmchem	Chemical type used if any	discrete	numeric-1.0	6193	590133	Chemical type used if any
33	fert	Ferilizer used	discrete	numeric-1.0	457552	138774	Is fertilizer used?
34	ferttype	Ferilizer type	discrete	numeric-1.0	206268	390058	Ferilizer type
35	d22a	Chemical fertilizer type	discrete	numeric-1.0	62205	534121	Chemical fertilizer type
36	d22b	Quantity of chemical fertilizer	continuous	numeric-8.3	59497	536829	Quantity of chemical fertilizer
37	d23	Natural fertilizer type	discrete	numeric-1.0	150785	445541	Natural fertilizer type
38	d24	How often is temporary crop field is used	continuous	numeric-1.0	458512	137814	How often is temporary crop field is used in "Meher" (Main) season
39	d25a	If twice used, which crop is the second harvest (a)	discrete	numeric-3.0	84829	511497	If twice used, which crop is the second harvest (a)?
40	d25b	If twice used, which crop is the second harvest (b)	discrete	numeric-3.0	84743	511583	If twice used, which crop is the second harvest (b)?
41	d25c	If twice used, which crop is the second harvest (c)	discrete	numeric-3.0	84740	511586	If twice used, which crop is the second harvest (c)?
42	d26	Previous state of the field	discrete	numeric-1.0	459767	136559	What was the previous state of the field?
43	apercent	Percentage share of mixed crops	continuous	numeric-3.0	596322	4	Percentage share of mixed crops
44	cerror	Closure error	continuous	numeric-3.0	581220	15106	Closure error
45	enumarea	Enumerator area (SQ. M)	continuous	numeric-8.2	581267	15059	Enumerator area (SQ. M)
46	comparea	Computer area (SQ. M)	continuous	numeric-8.2	575657	20669	Computer area (SQ. M)
47	areb	Area in (SQ. M)	continuous	numeric-7.0	596311	15	Area in (SQ. M)

File Field Characteristics main_99

#	Name	Label	Type	Format	Valid	Invalid	Question
48	landuse	Land use	discrete	numeric-1.0	596326	0	Land use
49	areah	Area in hectare	continuous	numeric-8.6	596311	15	Area in Hectare
50	prod99q	Production in quintal	continuous	numeric-10.5	382956	213370	Production in Quintal

File Miscellaneous_NACR51

#	Name	Label	Type	Format	Valid	Invalid	Question
1	reg	Region	discrete	numeric-2.0	49638	0	Region
2	zone	Zone	continuous	numeric-2.0	49638	0	Zone
3	dist	District	continuous	numeric-2.0	49638	0	District (wereda)
4	fa	Farmers association	continuous	numeric-3.0	49638	0	Farmers association (FA)
5	ea	Enumeration area	continuous	numeric-2.0	49638	0	Enumeration area
6	hh	Household id number	continuous	numeric-3.0	49638	0	Household id number
7	hhsex	Household head sex	discrete	numeric-1.0	49638	0	Household head sex
8	hid	Holder id number	continuous	numeric-1.0	49638	0	Holder id number
9	awgt	Awgt	continuous	numeric-7.2	49638	0	Sample weight
10	f1	Crop rotation	discrete	numeric-1.0	47684	1954	Do you exercise crop rotation on your land holing?
11	f2	Reason for not using chemical fertilizers on any one of your crop fields	discrete	numeric-1.0	47407	2231	Reason for not using chemical fertilizers on any one of your crop fields
12	f3	Reason for not participating in Extension Program	discrete	numeric-1.0	47459	2179	Reason for not participating in Extension Program
13	f4	Get credit services	discrete	numeric-1.0	49620	18	Do you get credit services?
14	f5	Reason for not using credit services	discrete	numeric-1.0	37548	12090	Reason for not using credit services
15	f6	Get advisory service	discrete	numeric-1.0	49598	40	Do you get advisory services?
16	f7	Reason for not using advisory services	discrete	numeric-1.0	27003	22635	Reason for not Using Advice Service
17	f8	Major supplier of fertilizer	discrete	numeric-1.0	47761	1877	Major supplier of fertilizer
18	f9	Number of oxen have in Main ("Meher") season	continuous	numeric-2.0	44451	5187	How many oxen do you have in this Main ("Meher") season?
19	f10	If not have enough ox how do you plough	discrete	numeric-1.0	34080	15558	If you have one or no ox how do you plough?
20	f11	Total number of fields recorded for the holder	continuous	numeric-2.0	48506	1132	Total number of fields recorded for the holder
21	f12	Total number of crop fields recorded for the holder	continuous	numeric-2.0	47541	2097	Total number of crop fields recorded for the holder
22	f13	Ploughed additional fields over that of the previous year	discrete	numeric-1.0	47550	2088	Has the holder ploughed additional fields over that of the previous year?
23	f14	Previous state of the additional fields	discrete	numeric-1.0	8336	41302	What was the previous state of the additional fields?

Variables Description

Dataset contains88 variable(s)

File Holder Characteristics_NACR02

#1 reg: Region

Information	[Type= discrete] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=49709 / 12521716.77] [Invalid=0 / 0]
Literal question	Region

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Tigray	4151	764334.3	6.1%
2	Afar	972	30791.6	0.2%
3	Amhara	9258	3393266.8	27.1%
4	Oromiya	16944	5167626.0	41.3%
5	Somalie	1349	120059.1	1.0%
6	Benshangul	1653	151864.2	1.2%
7	SNNP	13937	2850689.9	22.8%
12	Gambela	0	0.0	0.0%
13	Harari	487	17093.8	0.1%
14	Addis ababa	471	7515.1	0.1%
15	Dire dawa	487	18476.1	0.1%

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.

#2 zone: Zone

Information	[Type= continuous] [Format=numeric] [Range= 1-21] [Missing=*]
Statistics [NW/ W]	[Valid=49709 /-] [Invalid=0 /-] [Mean=7.373 /-] [StdDev=5.335 /-]
Literal question	Zone

#3 dist: District

Information	[Type= continuous] [Format=numeric] [Range= 1-35] [Missing=*]
Statistics [NW/ W]	[Valid=49709 /-] [Invalid=0 /-] [Mean=7.398 /-] [StdDev=6.524 /-]
Literal question	District (wereda)

#4 fa: Farmers association

Information	[Type= continuous] [Format=numeric] [Range= 1-163] [Missing=*]
Statistics [NW/ W]	[Valid=49709 /-] [Invalid=0 /-] [Mean=40.044 /-] [StdDev=43.905 /-]
Literal question	Farmers association (FA)

#5 ea: Enumeration area

Information	[Type= continuous] [Format=numeric] [Range= 1-12] [Missing=*]
Statistics [NW/ W]	[Valid=49709 /-] [Invalid=0 /-] [Mean=1.895 /-] [StdDev=1.268 /-]
Literal question	Enumeration area

#6 hh: Household id number

Information	[Type= continuous] [Format=numeric] [Range= 1-992] [Missing=*]
Statistics [NW/ W]	[Valid=49709 /-] [Invalid=0 /-] [Mean=120.09 /-] [StdDev=95.347 /-]
Literal question	Household id number

File Holder Characteristics_NACR02

#7 hhsex: Household head sex

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=49709 / 12521716.77] [Invalid=0 / 0]
Literal question	Household head sex

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Male	40381	9995733.1	79.8%
2	Female	9328	2525983.7	20.2%

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.

#8 hid: Holder id number

Information	[Type= continuous] [Format=numeric] [Range= 1-8] [Missing=*]
Statistics [NW/ W]	[Valid=49709 /-] [Invalid=0 /-] [Mean=1.076 /-] [StdDev=0.328 /-]
Literal question	Holder id number

#9 hweight: Holder weight

Information	[Type= continuous] [Format=numeric] [Range= 1-1131.91] [Missing=*]
Statistics [NW/ W]	[Valid=49709 /-] [Invalid=0 /-] [Mean=251.9 /-] [StdDev=182.629 /-]
Literal question	Holder weight

#10 age: Holder's age

Information	[Type= continuous] [Format=numeric] [Range= 1-99] [Missing=*]
Statistics [NW/ W]	[Valid=49709 / 12521716.77] [Invalid=0 / 0]
Literal question	Holder's age

Frequency table not shown (99 Modalities)

#11 sex: Holder's sex

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=49709 / 12521716.77] [Invalid=0 / 0]
Literal question	Holder's sex

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Male	40408	10013714.2	80.0%
2	Female	9301	2508002.5	20.0%

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.

#12 educ: Educational status or highest grade completed

Information	[Type= discrete] [Format=numeric] [Range= 1-99] [Missing=*]
Statistics [NW/ W]	[Valid=49709 / 12521716.77] [Invalid=0 / 0]
Literal question	Educational status or highest grade completed

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Illitrate	32481	8241287.8	65.8%
2	Informal education	3506	975198.8	7.8%
3	Grade 1 completed	1131	247744.2	2.0%
4	Grade 2 completed	2136	493399.3	3.9%
5	Grade 3 completed	2202	529090.9	4.2%
6	Grade 4 completed	2100	510564.9	4.1%
7	Grade 5 completed	1667	413520.7	3.3%

File Holder Characteristics_NACR02

#12 educ: Educational status or highest grade completed

Value	Label	Cases	Weighted	Percentage (Weighted)
8	Grade 6 completed	1632	408130.4	3.3%
9	Grade 7 completed	1035	248603.0	2.0%
10	Grade 8 completed	810	208441.9	1.7%
11	Grade 9 complete through the old education system	251	64289.6	0.5%
12	Grade 10 completed through the old education system	136	33070.1	0.3%
13	Grade 11 completed through the old education system	43	10106.0	0.1%
14	Grade 12 completed through the old education system	206	45230.4	0.4%
15	Above grade 12	56	13995.3	0.1%
16	Grade 9 complete through the new education system	99	27061.7	0.2%
17	Grade 10 complete through the new education system	164	37651.5	0.3%
18	Studing at the vocational school after completion of grade 10 through the new education system	13	2907.3	0.0%
19	Obtained certificate after complition of voccational school through the new education system	26	6135.4	0.0%
20	Completed grade 11 preparatory studies for higher education	6	2298.7	0.0%
21	Completed grade 12 preparatory studies for higher education	4	1020.1	0.0%
22	Above from grade 12 preparatory studies	4	1806.6	0.0%
99	Not stated	1	162.2	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.

#13 v12: Household size

Information	[Type= continuous] [Format=numeric] [Range= 1-99] [Missing=*]
Statistics [NW/ W]	[Valid=49709 / 12521716.77] [Invalid=0 / 0]
Literal question	Household size

Value	Label	Cases	Weighted	Percentage (Weighted)
1	1	1825	317272.0	2.5%
2	2	4228	1033744.4	8.3%
3	3	6882	1716505.6	13.7%
4	4	8258	2100692.8	16.8%
5	5	7933	2062126.2	16.5%
6	6	7141	1851236.0	14.8%
7	7	5515	1398478.9	11.2%
8	8	3706	958225.2	7.7%
9	9	2060	542260.7	4.3%
10	10	1165	291772.1	2.3%
11	11	490	126683.8	1.0%
12	12	292	68940.0	0.6%

File Holder Characteristics_NACR02

#13 v12: Household size

Value	Label	Cases	Weighted	Percentage (Weighted)
13	13	94	23011.5	0.2%
14	14	70	18219.8	0.1%
15	15	26	6632.7	0.1%
16	16	16	3120.7	0.0%
17	17	3	836.6	0.0%
18	18	2	619.9	0.0%
19	19	1	404.9	0.0%
99	99	2	933.3	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.

#14 htype: Type of holding

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=49709 / 12521716.77] [Invalid=0 / 0]
Literal question	Type of holding

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Crop only	6136	1240101.3	9.9%
2	Livestock only	2442	519718.0	4.2%
3	Both	41129	10761845.9	85.9%
9	Not stated	2	51.5	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 hratio: Holder ratio

Information	[Type= continuous] [Format=numeric] [Range= 0.0084719-1.5729272] [Missing=*]
Statistics [NW/ W]	[Valid=49709 /-] [Invalid=0 /-] [Mean=0.181 /-] [StdDev=0.281 /-]
Literal question	Holder ratio

File Field Characteristics main_99

#1 reg: Region

Information	[Type= discrete] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=596326 / 157424299.02] [Invalid=0 / 0]
Literal question	Region

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Tigray	45150	9202222.9	5.8%
2	Afar	3982	131752.3	0.1%
3	Amhara	106399	40977213.1	26.0%
4	Oromiya	191250	61302895.4	38.9%
5	Somalie	7925	756821.6	0.5%
6	Benshangul	15532	1460820.4	0.9%
7	SNNP	209219	43079886.4	27.4%
12	Gambela	0	0.0	0.0%
13	Harari	7031	245147.7	0.2%
14	Addis ababa	4557	70853.9	0.0%
15	Dire dawa	5281	196685.4	0.1%

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.

File Field Characteristics main_99

#2 zone: Zone

Information	[Type= continuous] [Format=numeric] [Range= 1-21] [Missing=*]
Statistics [NW/ W]	[Valid=596326 /-] [Invalid=0 /-] [Mean=7.562 /-] [StdDev=5.524 /-]
Literal question	Zone

#3 dist: District

Information	[Type= continuous] [Format=numeric] [Range= 1-35] [Missing=*]
Statistics [NW/ W]	[Valid=596326 /-] [Invalid=0 /-] [Mean=7.285 /-] [StdDev=6.493 /-]
Literal question	District (wereda)

#4 fa: Farmers association

Information	[Type= continuous] [Format=numeric] [Range= 1-163] [Missing=*]
Statistics [NW/ W]	[Valid=596326 /-] [Invalid=0 /-] [Mean=37.066 /-] [StdDev=39.69 /-]
Literal question	Farmers association (FA)

#5 ea: Enumeration area

Information	[Type= continuous] [Format=numeric] [Range= 1-12] [Missing=*]
Statistics [NW/ W]	[Valid=596326 /-] [Invalid=0 /-] [Mean=1.943 /-] [StdDev=1.271 /-]
Literal question	Enumeration area

#6 hh: Household id number

Information	[Type= continuous] [Format=numeric] [Range= 1-992] [Missing=*]
Statistics [NW/ W]	[Valid=596326 /-] [Invalid=0 /-] [Mean=118.92 /-] [StdDev=90.722 /-]
Literal question	Household id number

#7 hhsex: Household head sex

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=596326 / 157424299.02] [Invalid=0 / 0]
Literal question	Household head sex

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Male	507502	133010194.6	84.5%
2	Female	88824	24414104.5	15.5%

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 number

Information	[Type= continuous] [Format=numeric] [Range= 1-7] [Missing=*]
Statistics [NW/ W]	[Valid=596326 /-] [Invalid=0 /-] [Mean=1.015 /-] [StdDev=0.148 /-]
Literal question	Holder id number

#9 parcel: Parcel

Information	[Type= continuous] [Format=numeric] [Range= 1-88] [Missing=*]
Statistics [NW/ W]	[Valid=596326 /-] [Invalid=0 /-] [Mean=2.067 /-] [StdDev=1.905 /-]
Literal question	Parcel

#10 fld: Field

Information	[Type= continuous] [Format=numeric] [Range= 1-99] [Missing=*]
Statistics [NW/ W]	[Valid=596326 /-] [Invalid=0 /-] [Mean=4.4 /-] [StdDev=4.616 /-]

File Field Characteristics main_99

#10 fld: Field

Literal question	Field

#11 fweight: Fweight

Information	[Type= continuous] [Format=numeric] [Range= 1-1131.91] [Missing=*]
Statistics [NW/ W]	[Valid=596326 /-] [Invalid=0 /-] [Mean=263.99 /-] [StdDev=179.371 /-]
Literal question	Sample weight

#12 part: Part

Information	[Type= continuous] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=596326 / 157424299.02] [Invalid=0 / 0]
Literal question	part

Value	Label	Cases	Weighted	Percentage (Weighted)
1	1	506814	134425484.0	85.4%
2	2	67560	17543118.7	11.1%
3	3	21952	5455696.4	3.5%

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 fldtype: Field type

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=596326 / 157424299.02] [Invalid=0 / 0]
Literal question	Field type

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Temporary	301346	79889208.6	50.7%
2	Permanent	157112	40551314.2	25.8%
3	Mixed	137868	36983776.3	23.5%

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.

#14 crop: Crop

Information	[Type= discrete] [Format=numeric] [Range= 1-999] [Missing=*]
Statistics [NW/ W]	[Valid=596326 / 157424299.02] [Invalid=0 / 0]
Literal question	Crop

Frequency table not shown (89 Modalities)

#15 owntype: Ownership type

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=596326 / 157424299.02] [Invalid=0 / 0]
Literal question	Ownership type

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Private	553737	145149449.7	92.2%
2	Rent/leased	29576	8651195.5	5.5%
3	Other	12725	3540518.7	2.2%
9	Not stated	288	83135.1	0.1%

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.

#16 ext: The field under extension program

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]

File Field Characteristics main_99

#16 ext: The field under extension program

Statistics [NW/ W]	[Valid=458683 / 120497944.15] [Invalid=137643 / 36926354.87]
Literal question	Is the field under extension program?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	24059	7663682.6	6.4%
2	No	434624	112834261.5	93.6%
Sysmiss		137643	36926354.9	

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.

#17 irrg: Used irrigation

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=488635 / 129772494.67] [Invalid=107691 / 27651804.35]
Literal question	Is field irrigated?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	14354	3027711.0	2.3%
2	No	474281	126744783.7	97.7%
Sysmiss		107691	27651804.4	

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.

#18 sirrg: Source of water for irrigation

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=14441 / 3055349.5] [Invalid=581885 / 154368949.52]
Literal question	If field irrigated, what is the source of water?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	River	10701	2102160.4	68.8%
2	Lake	301	78556.9	2.6%
3	Pond	1398	363638.9	11.9%
4	Harvested water	971	213834.7	7.0%
5	Others	1070	297158.5	9.7%
Sysmiss		581885	154368949.5	

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.

#19 serro: Prevented from soil erosion

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=529083 / 139938043.22] [Invalid=67243 / 17486255.8]
Literal question	Prevention for soil erosion?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	272521	75808835.5	54.2%
2	No	256562	64129207.7	45.8%
Sysmiss		67243	17486255.8	

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.

#20 merro: Common way of prevention

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=272748 / 75869521.82] [Invalid=323578 / 81554777.2]
Literal question	Common way of prevention

File Field Characteristics main_99

#20 merro: Common way of prevention

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Terracing	78875	23288472.0	30.7%
2	Water catchments	33159	9508863.3	12.5%
3	Afforestation	2643	775407.7	1.0%
4	Ploughing alnog the contour	112810	28683267.0	37.8%
5	Others	45261	13613511.8	17.9%
Sysmiss		323578	81554777.2	

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.

#21 trees: Number of fruit trees

Information	[Type= continuous] [Format=numeric] [Range= 0-9999999] [Missing=*/9999999/99999]
Statistics [NW/ W]	[Valid=66389 / 16451633.74] [Invalid=529937 / 140972665.28] [Mean=109.942 / 140.37] [StdDev=442.041 / 497.69]
Literal question	Number of fruit trees

#22 treesba: Number of fruit bearing trees

Information	[Type= continuous] [Format=numeric] [Range= 0-9999999] [Missing=*/9999999/99999]
Statistics [NW/ W]	[Valid=66381 / 16449418.21] [Invalid=529945 / 140974880.81] [Mean=23.404 / 31.906] [StdDev=128.768 / 156.526]
Literal question	Number of fruit bearing trees

#23 seedtype: Seed type

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=458577 / 120473387.26] [Invalid=137749 / 36950911.76]
Literal question	Seed / seedling type

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Improved	7399	2067558.6	1.7%
2	Non_improved	451178	118405828.6	98.3%
Sysmiss		137749	36950911.8	

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.

#24 wtimseed: Weight of improved seed

Information	[Type= continuous] [Format=numeric] [Range= 0-9999.999] [Missing=*/9999.999]
Statistics [NW/ W]	[Valid=384647 / 98084263.92] [Invalid=211679 / 59340035.1] [Mean=0.161 / 0.179] [StdDev=3.004 / 3.124]
Literal question	Weight of improved seed

#25 costimps: Cost of improved seed

Information	[Type= continuous] [Format=numeric] [Range= 0-999999.99] [Missing=*/999999.99]
Statistics [NW/ W]	[Valid=455994 / 119709726.05] [Invalid=140332 / 37714572.97] [Mean=0.613 / 0.686] [StdDev=9.352 / 10.241]
Literal question	Cost of improved seed

#26 wtniseed: Weight of non-improved seed

Information	[Type= continuous] [Format=numeric] [Range= 0-9999.999] [Missing=*/9999.999]
Statistics [NW/ W]	[Valid=254225 / 68371587.65] [Invalid=342101 / 89052711.37] [Mean=11.091 / 12.314] [StdDev=22.976 / 24.572]
Literal question	Weight of non-improved seed

File Field Characteristics main_99

#27 damage: Crop damaged

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=456596 / 119923670.95] [Invalid=139730 / 37500628.07]
Literal question	Was crop dammaged?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	118951	31402502.2	26.2%
2	No	337645	88521168.8	73.8%
Sysmiss		139730	37500628.1	

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 dreason: Cause of damage

Information	[Type= discrete] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=118951 / 31402502.19] [Invalid=477375 / 126021796.83]
Pre-question	If "Yes" in "Was crop damaged?"
Literal question	Cause of damage

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Too much rain	19243	5004642.5	15.9%
2	Too little rain	1973	437927.3	1.4%
3	Insects	3781	1113396.0	3.5%
4	Crop disease	147	32353.4	0.1%
5	Weeds	14188	3680817.2	11.7%
6	Hail	16167	3781711.7	12.0%
7	Frost	16938	5103217.4	16.3%
8	Floods	6800	1494427.8	4.8%
9	Wild animals	1187	309252.8	1.0%
10	Locust	6585	2106953.0	6.7%
11	Birds	9066	2207072.6	7.0%
12	Shortage of seed	431	116074.1	0.4%
13	Depletion of soi	11062	3192035.6	10.2%
14	Security problem	15	2525.7	0.0%
15	Other	11368	2820095.2	9.0%
Sysmiss		477375	126021796.8	

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.

#29 dpercent: Percent of dammaged crop

Information	[Type= continuous] [Format=numeric] [Range= 0-999] [Missing=*/999]
Statistics [NW/ W]	[Valid=118657 / 31323991.1] [Invalid=477669 / 126100307.92]
Pre-question	If "Yes" in "Was crop damaged?"
Literal question	Percent of dammaged crop

Frequency table not shown (87 Modalities)

#30 dmeasure: Measure taken to prevent the damage

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=456364 / 119836752.89] [Invalid=139962 / 37587546.13]
Literal question	Was prevention/precaution measure taken?

File Field Characteristics main_99

#30 dmeasure: Measure taken to prevent the damage

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	378864	98800601.0	82.4%
2	No	77500	21036151.9	17.6%
Sysmiss		139962	37587546.1	

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.

#31 dmtype: Type of measure taken

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=378854 / 98798085.57] [Invalid=217472 / 58626213.45]
Literal question	Type of measure taken

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Chemical	6192	1961135.2	2.0%
2	Non_chemical	356607	91859103.1	93.0%
3	Both	16055	4977847.2	5.0%
Sysmiss		217472	58626213.5	

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.

#32 dmchem: Chemical type used if any

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=6193 / 1961308] [Invalid=590133 / 155462991.02]
Literal question	Chemical type used if any

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Pesticide	470	144545.4	7.4%
2	Herbicide	4823	1548900.5	79.0%
3	Fungicide	202	66441.6	3.4%
4	Pesticide & herbcide	21	6847.3	0.3%
5	Pesticide & fungicide	2	1124.5	0.1%
6	Herbicide & fungicide	5	1830.4	0.1%
7	All	6	265.6	0.0%
9	Not stated	664	191352.8	9.8%
Sysmiss		590133	155462991.0	

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.

#33 fert: Ferilizer used

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=457552 / 120217892.46] [Invalid=138774 / 37206406.56]
Literal question	Is fertilizer used?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	206269	60901778.4	50.7%
2	No	251283	59316114.1	49.3%
Sysmiss		138774	37206406.6	

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.

#34 ferttype: Ferilizer type

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]

File Field Characteristics main_99

#34 ferttype: Ferilizer type

Statistics [NW/ W]	[Valid=206268 / 60901475.99] [Invalid=390058 / 96522823.03]
Pre-question	If fertilizer is used
Literal question	Ferilizer type

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Natural	144061	41976275.0	68.9%
2	Chemical	55481	16872913.5	27.7%
3	Both	6726	2052287.5	3.4%
Sysmiss		390058	96522823.0	

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.

#35 d22a: Chemical fertilizer type

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=62205 / 18924618.79] [Invalid=534121 / 138499680.23]
Pre-question	If chemical fertilizer is used
Literal question	Chemical fertilizer type

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Urea	5574	1568304.3	8.3%
2	Dap	26438	8520272.2	45.0%
3	Both	28514	8340845.7	44.1%
9	Not stated	1679	495196.6	2.6%
Sysmiss		534121	138499680.2	

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.

#36 d22b: Quantity of chemical fertilizer

Information	[Type= continuous] [Format=numeric] [Range= 0.01-9999.999] [Missing=*/9999.999]
Statistics [NW/ W]	[Valid=59497 / 18026196.55] [Invalid=536829 / 139398102.47] [Mean=24.624 / 22.645] [StdDev=39.36 / 35.515]
Pre-question	If chemical fertilizer is used
Literal question	Quantity of chemical fertilizer

#37 d23: Natural fertilizer type

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=150785 / 44026961.67] [Invalid=445541 / 113397337.35]
Literal question	Natural fertilizer type

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Manure	119061	34840321.1	79.1%
2	Compost	7796	2136933.0	4.9%
3	Organic	59	20278.8	0.0%
4	Manure & compost	16457	5079713.2	11.5%
5	Manure & organic	54	24444.4	0.1%
6	Compost & organic	5	1951.2	0.0%
7	All	109	41244.5	0.1%
8	Others	4615	1117461.1	2.5%
9	Not stated	2629	764614.5	1.7%

File Field Characteristics main_99

#37 d23: Natural fertilizer type

Value	Label	Cases	Weighted	Percentage (Weighted)
Sysmiss		445541	113397337.3	

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.

#38 d24: How often is temporary crop field is used

Information	[Type= continuous] [Format=numeric] [Range= 0-8] [Missing=*]
Statistics [NW/ W]	[Valid=458512 / 120454116.78] [Invalid=137814 / 36970182.24] [Mean=1.185 / 1.185] [StdDev=0.393 / 0.393]
Literal question	How often is temporary crop field is used in "Meher" (Main) season

#39 d25a: If twice used, which crop is the second harvest (a)

Information	[Type= discrete] [Format=numeric] [Range= 1-999] [Missing=*]
Statistics [NW/ W]	[Valid=84829 / 22224794.8] [Invalid=511497 / 135199504.22]
Literal question	If twice used, which crop is the second harvest (a)?

Frequency table not shown (87 Modalities)

#40 d25b: If twice used, which crop is the second harvest (b)

Information	[Type= discrete] [Format=numeric] [Range= 1-999] [Missing=*]
Statistics [NW/ W]	[Valid=84743 / 22196024.37] [Invalid=511583 / 135228274.65]
Literal question	If twice used, which crop is the second harvest (b)?

Frequency table not shown (87 Modalities)

#41 d25c: If twice used, which crop is the second harvest (c)

Information	[Type= discrete] [Format=numeric] [Range= 1-999] [Missing=*]
Statistics [NW/ W]	[Valid=84740 / 22194597.95] [Invalid=511586 / 135229701.07]
Literal question	If twice used, which crop is the second harvest (c)?

Frequency table not shown (87 Modalities)

#42 d26: Previous state of the field

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=459767 / 120728154.57] [Invalid=136559 / 36696144.45]
Literal question	What was the previous state of the field?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Fallow	12755	3131950.0	2.6%
2	Cropp field	350431	92996900.5	77.0%
3	Virgin	8339	1500973.1	1.2%
4	Rented in crop field	8113	2149069.8	1.8%
5	Others	1120	312132.6	0.3%
9	Not stated	79009	20637128.6	17.1%
Sysmiss		136559	36696144.5	

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.

#43 apercent: Percentage share of mixed crops

Information	[Type= continuous] [Format=numeric] [Range= 0-100] [Missing=*]
Statistics [NW/ W]	[Valid=596322 / 157423558.86] [Invalid=4 / 740.16]
Literal question	Percentage share of mixed crops

Frequency table not shown (101 Modalities)

File Field Characteristics main_99

#44 cerror: Closure error

Information	[Type= continuous] [Format=numeric] [Range= 0-975] [Missing=*]
Statistics [NW/ W]	[Valid=581220 / 153513114.49] [Invalid=15106 / 3911184.53] [Mean=139.321 / 138.204] [StdDev=106.703 / 106.357]
Literal question	Closure error

#45 enumarea: Enumerator area (SQ. M)

Information	[Type= continuous] [Format=numeric] [Range= 0-96425.53] [Missing=*]
Statistics [NW/ W]	[Valid=581267 / 153522302.2] [Invalid=15059 / 3901996.82] [Mean=990.555 / 942.396] [StdDev=2068.203 / 1805.56]
Literal question	Enumerator area (SQ. M)

#46 comparea: Computer area (SQ. M)

Information	[Type= continuous] [Format=numeric] [Range= 0-96425.53] [Missing=*]
Statistics [NW/ W]	[Valid=575657 / 152084573.12] [Invalid=20669 / 5339725.9] [Mean=983.6 / 936.341] [StdDev=2038.742 / 1783.355]
Literal question	Computer area (SQ. M)

#47 areb: Area in (SQ. M)

Information	[Type= continuous] [Format=numeric] [Range= 3-8993148] [Missing=*]
Statistics [NW/ W]	[Valid=596311 / 157422135.55] [Invalid=15 / 2163.47] [Mean=97787.265 / 93662.459] [StdDev=188479.273 / 166932.671]
Literal question	Area in (SQ. M)

#48 landuse: Land use

Information	[Type= discrete] [Format=numeric] [Range= 1-6] [Missing=*]
Statistics [NW/ W]	[Valid=596326 / 157424299.02] [Invalid=0 / 0]
Literal question	Land use

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Temporary crop land	344600	90786807.9	57.7%
2	Permanent crop land	112449	29353172.7	18.6%
3	Grazing land	30004	9289515.4	5.9%
4	Fallow land	26258	6425482.3	4.1%
5	Wood land	13839	4055498.6	2.6%
6	Other land use	69176	17513822.0	11.1%

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.

#49 areah: Area in hectare

Information	[Type= continuous] [Format=numeric] [Range= 3e-06-8.993148] [Missing=*]
Statistics [NW/ W]	[Valid=596311 / 157422135.55] [Invalid=15 / 2163.47] [Mean=0.0978 / 0.0937] [StdDev=0.188 / 0.167]
Literal question	Area in Hectare

#50 prod99q: Production in quintal

Information	[Type= continuous] [Format=numeric] [Range= 0.00023-4811.08632] [Missing=*]
Statistics [NW/ W]	[Valid=382956 / 103753278.78] [Invalid=213370 / 53671020.24] [Mean=18.878 / 17.942] [StdDev=43.658 / 38.803]
Literal question	Production in Quintal

File Miscellaneous_NACR51

#1 reg: Region

Information	[Type= discrete] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=49638 / 12501150.91] [Invalid=0 / 0]
Literal question	Region

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Tigray	4143	762697.2	6.1%
2	Afar	961	30492.5	0.2%
3	Amhara	9246	3388067.4	27.1%
4	Oromiya	16913	5156159.0	41.2%
5	Somalie	1348	119958.8	1.0%
6	Benshangul	1653	151864.2	1.2%
7	SNNP	13929	2848826.9	22.8%
12	Gambela	0	0.0	0.0%
13	Harari	487	17093.8	0.1%
14	Addis ababa	471	7515.1	0.1%
15	Dire dawa	487	18476.1	0.1%

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.

#2 zone: Zone

Information	[Type= continuous] [Format=numeric] [Range= 1-21] [Missing=*]
Statistics [NW/ W]	[Valid=49638 /-] [Invalid=0 /-] [Mean=7.375 /-] [StdDev=5.336 /-]
Literal question	Zone

#3 dist: District

Information	[Type= continuous] [Format=numeric] [Range= 1-35] [Missing=*]
Statistics [NW/ W]	[Valid=49638 /-] [Invalid=0 /-] [Mean=7.395 /-] [StdDev=6.522 /-]
Literal question	District (wereda)

#4 fa: Farmers association

Information	[Type= continuous] [Format=numeric] [Range= 1-163] [Missing=*]
Statistics [NW/ W]	[Valid=49638 /-] [Invalid=0 /-] [Mean=40.065 /-] [StdDev=43.919 /-]
Literal question	Farmers association (FA)

#5 ea: Enumeration area

Information	[Type= continuous] [Format=numeric] [Range= 1-12] [Missing=*]
Statistics [NW/ W]	[Valid=49638 /-] [Invalid=0 /-] [Mean=1.896 /-] [StdDev=1.268 /-]
Literal question	Enumeration area

#6 hh: Household id number

Information	[Type= continuous] [Format=numeric] [Range= 1-992] [Missing=*]
Statistics [NW/ W]	[Valid=49638 /-] [Invalid=0 /-] [Mean=120.107 /-] [StdDev=95.381 /-]
Literal question	Household id number

#7 hhsex: Household head sex

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=49638 /-] [Invalid=0 /-]
Literal question	Household head sex

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#7 hhsex: Household head sex

Value	Label	Cases	Percentage
1	Male	40338	81.3%
2	Female	9300	18.7%

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.

#8 hid: Holder id number

Information	[Type= continuous] [Format=numeric] [Range= 1-8] [Missing=*]
Statistics [NW/ W]	[Valid=49638 /-] [Invalid=0 /-] [Mean=1.075 /-] [StdDev=0.326 /-]
Literal question	Holder id number

#9 awgt: Awgt

Information	[Type= continuous] [Format=numeric] [Range= 1-1131.91] [Missing=*]
Statistics [NW/ W]	[Valid=49638 /-] [Invalid=0 /-] [Mean=251.846 /-] [StdDev=182.645 /-]
Literal question	Sample weight

#10 f1: Crop rotation

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=47684 / 12117238.04] [Invalid=1954 / 383912.87]
Literal question	Do you exercise crop rotation on your land holing?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	38290	9925371.2	81.9%
2	No	9394	2191866.9	18.1%
Sysmiss		1954	383912.9	

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.

#11 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=47407 / 12030629.87] [Invalid=2231 / 470521.04]
Literal question	Reason for not using chemical fertilizers on any one of your crop fields

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Ignorance	2554	538431.0	4.5%
2	High price	3336	866856.1	7.2%
3	Lack of money	10321	2665195.4	22.2%
4	Supply is unavailable	4042	634837.1	5.3%
5	Lack of credit service	558	124160.6	1.0%
6	Skeptical of the outcome	2648	646658.8	5.4%
7	Others	23948	6554490.9	54.5%
Sysmiss		2231	470521.0	

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.

#12 f3: Reason for not participating in Extension Program

Information	[Type= discrete] [Format=numeric] [Range= 1-6] [Missing=*]
Statistics [NW/ W]	[Valid=47459 / 12046411.17] [Invalid=2179 / 454739.74]
Literal question	Reason for not participating in Extension Program

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#12 f3: Reason for not participating in Extension Program

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Ignorance	4663	1171015.8	9.7%
2	Lack of money	12270	3212291.3	26.7%
3	Skeptical of the program	3697	928872.1	7.7%
4	Programs unavailable	10587	2271804.3	18.9%
5	Lack of adequate crop fields	5078	1341894.8	11.1%
6	Others	11164	3120532.8	25.9%
Sysmiss		2179	454739.7	

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.

#13 f4: Get credit services

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=49620 / 12497255.4] [Invalid=18 / 3895.51]
Literal question	Do you get credit services?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	11913	3396118.1	27.2%
2	No	37707	9101137.3	72.8%
Sysmiss		18	3895.5	

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.

#14 f5: Reason for not using credit services

Information	[Type= discrete] [Format=numeric] [Range= 1-6] [Missing=*]
Statistics [NW/ W]	[Valid=37548 / 9060830.13] [Invalid=12090 / 3440320.78]
Pre-question	If "No" in "Do you get credit services?"
Literal question	Reason for not using credit services

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Service is not available	11897	2321695.7	25.6%
2	Unable to pay the loan	12025	3304283.2	36.5%
3	Inadequate service provided	8405	1993204.0	22.0%
4	Ignorance	1498	378776.8	4.2%
5	Doesn't yield any results	826	217793.9	2.4%
6	Others	2897	845076.5	9.3%
Sysmiss		12090	3440320.8	

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.

#15 f6: Get advisory service

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=49598 / 12489376.97] [Invalid=40 / 11773.94]
Literal question	Do you get advisory services?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	22577	6110355.8	48.9%
2	No	27017	6377673.2	51.1%
9		4	1348.0	0.0%
Sysmiss		40	11773.9	

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.

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#16 f7: Reason for not using advisory services

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=27003 / 6371597.28] [Invalid=22635 / 6129553.63]
Pre-question	If "No" in "Do you get advisory services?"
Literal question	Reason for not Using Advice Service

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Non availability of the service	10968	2268087.5	35.6%
2	Inadequate services provided	9558	2319002.0	36.4%
3	Ignorance	4154	1117878.6	17.5%
4	Does not yield any results	860	204311.2	3.2%
5	Others	1463	462318.0	7.3%
Sysmiss		22635	6129553.6	

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.

#17 f8: Major supplier of fertilizer

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=47761 / 12116680.17] [Invalid=1877 / 384470.74]
Literal question	Major supplier of fertilizer

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Government organizations	10045	2874167.6	23.7%
2	Private organizations	1197	361076.5	3.0%
3	Merchants	4623	1450518.4	12.0%
4	Others	3221	1066603.2	8.8%
5	Never used fertilizer	28675	6364314.5	52.5%
Sysmiss		1877	384470.7	

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.

#18 f9: Number of oxen have in Main ("Meher") season

Information	[Type= continuous] [Format=numeric] [Range= 0-53] [Missing=*]
Statistics [NW/ W]	[Valid=44451 / 11196078.14] [Invalid=5187 / 1305072.77] [Mean=0.963 / 1.015] [StdDev=1.156 / 1.114]
Literal question	How many oxen do you have in this Main ("Meher") season?

#19 f10: If not have enough ox how do you plough

Information	[Type= discrete] [Format=numeric] [Range= 1-7] [Missing=*]
Statistics [NW/ W]	[Valid=34080 / 8422235.11] [Invalid=15558 / 4078915.8]
Literal question	If you have one or no ox how do you plough?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	By renting ox	3014	603132.5	7.2%
2	By pairing mine with someone's ox	10270	2626129.1	31.2%
3	By pairing mine with cow/horse	601	178650.3	2.1%
4	Using horses or cows	437	104593.3	1.2%
5	Hand digging	9137	2079429.4	24.7%
6	Using borrowed oxen	8484	2293407.2	27.2%
7	Others	2137	536893.3	6.4%
Sysmiss		15558	4078915.8	

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#19 f10: If not have enough ox how do you plough

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 f11: Total number of fields recorded for the holder

Information	[Type= continuous] [Format=numeric] [Range= 0-87] [Missing=*]
Statistics [NW/ W]	[Valid=48506 / 12187084.13] [Invalid=1132 / 314066.78] [Mean=10.418 / 10.999] [StdDev=6.761 / 6.828]
Literal question	Total number of fields recorded for the holder

#21 f12: Total number of crop fields recorded for the holder

Information	[Type= continuous] [Format=numeric] [Range= 0-90] [Missing=*]
Statistics [NW/ W]	[Valid=47541 / 12024365.07] [Invalid=2097 / 476785.84] [Mean=7.727 / 8.066] [StdDev=5.368 / 5.39]
Literal question	Total number of crop fields recorded for the holder

#22 f13: Ploughed additional fields over that of the previous year

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=47550 / 12062080.86] [Invalid=2088 / 439070.05]
Literal question	Has the holder ploughed additional fields over that of the previous year?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Yes	8754	2083519.9	17.3%
2	No	38796	9978561.0	82.7%
Sysmiss		2088	439070.0	

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.

#23 f14: Previous state of the additional fields

Information	[Type= discrete] [Format=numeric] [Range= 1-4] [Missing=*]
Statistics [NW/ W]	[Valid=8336 / 1983622.51] [Invalid=41302 / 10517528.4]
Pre-question	If yes in question # 13
Literal question	What was the previous state of the additional fields?

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Holder's virgin land	2615	543322.2	27.4%
2	Public/community virgin land	1637	303620.6	15.3%
3	Borrowed fallow land	3636	1022989.5	51.6%
4	Others	448	113690.2	5.7%
Sysmiss		41302	10517528.4	

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.

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