Ethiopia

Central Statistical Agency, Ministry of Finance and Economic Development

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

Study Documentation

December 28, 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	May 4, 2010
Version	Version 1.1: Edited on December 2010.
Identification	DDI-ETH-CSA-AgSS-Belg-2008-v1.1

Table of Contents

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

Overview

Type	Agricultural Survey [ag/oth]
Identification	ETH-CSA-AgSS-Belg-2008-v1.1
Version	Version 1.1: Edited and non anonymized dataset, for internal use only.

Abstract

As it is true in most developing countries, in Ethiopia, agriculture is the dominant sector of the economy. As a result, Ethiopian agriculture contributes the lion share of the Gross Domestic Product (GDP) and foreign currency earnings of the country from the sell of agricultural outputs abroad. Moreover, the sector creates employment opportunity to the majority of the country's population and at present nearly 85 percent of the country's population depends on agriculture to sustain their livelihood. Hence, as it had been for centuries in the past, still being the leading sector at present, it is believed to remain being the determinant sector to play a dominant role to bring about an overall sustainable economic growth to the country, for the years' to come if and only if strenuous efforts are made by the government and the concerned stakeholders including the farmer, to increase productivity through increased use of farm inputs such as improved seed, fertilizers etc and modernize the farm activity through increased use of modern and improved farm implements and farming systems as well as through the introduction of modern farming technology to the sector as a whole.

In order to meet the goals mentioned above and pave the way for the concerned stakeholders' to identify, plan, implement and monitor agricultural projects and developmental programs among others, the availability and regular supply of reliable, comprehensive and timely statistical information on the overall performance of the sector is considered essential for use as a primary input to their planning purpose and related activities.

To minimize the existing data gap and fulfill the demand of the stakeholders' concerned, for the past three decades, the Central Statistical Agency (CSA) has been conducting the agricultural sample survey under which four integrated sample surveys designed for the collection of agricultural information on the performances of the sector were launched all over the country and used to disseminate the survey results to ultimate users' on annual basis. The 2008/09 (2001 E.C.), Belg Season Crop Production Sample Survey is among the four integrated sample surveys launched on annual basis under the umbrella of the agricultural sample survey all over the country.

The objectives of the 2008-2009 (2001 E.C.), Belg Season Crop Production Sample Survey is to produce basic quantitative information on cropland area, production and yield of major Belg season crops, as well as to provide quantitative information on:-
- Cropland area, production and yield of major belg season crops, and
- the extent and use of different farm management practices on belg season crops such as fertilized crop land area and quantity of fertilizer used by crop and fertilizer type, irrigated crop land area under improved seed, pesticide treated cropland area … etc.

The adequate and timely supply of this information to ultimate users is therefore, important for use as a primary input in the process of policy formulation, designing developmental agricultural projects and programmmes.

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

Scope & Coverage

Scope

The scope of annual Agricultural Sample Survey, Belg Season includes:
- Area identification and characteristics of agricultural holder's.
- Assessment of crop conditions (for Belg Season).

Geographic Coverage

The 2008-2009 (2001 E.C) annual Agricultural Sample Survey (Belg 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 in to account of all parts of Harari, Dire Dawa, and actually 59 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 30 agricultural households within each sample EA were selected systematically.

Response Rate

To be covered by the survey, a total of around 1,400 Enumeration Areas (EAs) were selected. However, due to various reasons that are beyond control, in EAs the survey could not be successful and hence interrupted. Thus, all in all the survey succeeded to cover 1314 EAs throughout the regions.

Data Collection

Data Collection Dates	start 2008-05-23 end 2008-06-07
Data Collection Mode	Face-to-face [f2f]

Data Collection Notes

Field Organization

The Central Statistical Agency (CSA) branch statistical office heads, field supervisors and enumerators, other supporting staff and drivers were all involved in the field operation activities of the 2008/09 (2001 E.C.) Belg season Crop Production Sample survey. To accomplish the data collection activities, all field enumerators were equipped with the necessary survey equipment (i.e. compass, programmable calculator, measuring tape, sample bags…etc). To assist with the fieldwork and data collection activities all available four-wheel drive vehicles were used for supervision and collection of completed questionnaires.

Training of Field Staff

At the beginning of the survey year, the field staff-training program was carried out in two stages. The first stage consisted of trainees from the head office, branch statistical office heads, statisticians and some of the field supervisors for one week at CSA's headquarters in Addis Ababa. Those trained in the first stage conducted similar training for field supervisors and enumerators for 20 days in the 24 branch statistical offices, which are distributed all over the country. During the second stage training, the field staff were given detailed classroom instruction on the objectives and uses of the Agricultural Sample Survey (AgSS), concepts, and definitions of terms used, the method of area measurement, interviewing procedures, … etc. The enumerators' and supervisors' training also included a field practice to reinforce the procedures discussed in the classroom with regard to field area measurement, use of the programmable calculator and crop-cutting techniques.

Methods of Data Collection.

Except cropland area of major Belg Season crop, the data of which collected objectively using compasses and measuring tape, the information on production of major Belg Season crops and agricultural practices (uses of fertilizer, pesticide, improved seed and irrigation) were subjectively collected by interviewing the holders of sampled households. Appendix II, illustrates the total number of EAs and households reporting for the 2008/09 (2001 E.C.), Belg crop production by region.

Questionnaires

The 2008-2009 annual Agricultural Sample Survey used structured questionnaires to collect agricultural information from selected sample households.

List of forms in the questionnaire:

- CPSS Form 2001/3A: It contains form for listing holder information and crop productivity compared to last year.
- CPSS Form 2001/3B: It contains forms for crop productivity compared to last year.

Note: The questionnaire is presented in the Appendix IV of the 2008-2009 Agricultural Sample Survey, Area and Production of Belg Season Crops Volume V report.

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

Data Processing & Appraisal

Data Editing

Field Organization

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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 the 2008-2009 Agricultural Sample Survey, Area and Production of Belg Season Crops Volume V report.

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 (www.csa.gov.et <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 <http://www.csa.gov.et>).

Citation Requirements
The following statement must be used as citation:
"Central Statistical Authority of Ethiopia (CSA). Agricultural Sample Survey (AgSS-Belg 2008)"

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 2 file(s)

Holder Information - Belg2001	
# Cases	39704
# Variable(s)	15
Producer Central Statistical Agency of Ethiopia	
Version Version V1.0	

Field Information - Belg2001	
# Cases	108515
# Variable(s)	38
Producer Central Statistical Agency of Ethiopia	
Version Version 1.0	

Variables List

Dataset contains 53 variable(s)

File Holder Information - Belg2001

#	Name	Label	Type	Format	Valid	Invalid	Question
1	REG	Region	continuous	numeric-2.0	39704	0	Region
2	ZONE	Zone	continuous	numeric-2.0	39704	0	Zone
3	DIST	District	continuous	numeric-2.0	39704	0	District
4	FA	Farmers Association	continuous	numeric-3.0	39704	0	Farmers Association
5	EA	Enumeration Area	continuous	numeric-2.0	39704	0	Enumeration Area
6	HH	Household Id	continuous	numeric-3.0	39704	0	Household Id
7	HHSEX	Head sex	continuous	numeric-1.0	39704	0	Head sex
8	HID	Holder id	continuous	numeric-1.0	39704	0	Holder id
9	HWEIGHT	Holder Weight	continuous	numeric-7.2	39704	0	Holder Weight
10	V09	Age	continuous	numeric-2.0	39623	81	Age
11	V10	Sex	continuous	numeric-1.0	39704	0	Sex
12	V11	Education (Highest Grade)	continuous	numeric-2.0	39699	5	Educational Status (Highest Grade)
13	V12	Household Size	continuous	numeric-2.0	39702	2	Household Size
14	V13	Type of Holding	continuous	numeric-1.0	39703	1	Type of Holding
15	HRATIO	Holder Ratio	continuous	numeric-9.7	39704	0	Holder Ratio

File Field Information - Belg2001

#	Name	Label	Type	Format	Valid	Invalid	Question
1	REG	Region	continuous	numeric-2.0	108515	0	Region
2	ZONE	Zone	continuous	numeric-2.0	108515	0	Zone
3	DIST	District	continuous	numeric-2.0	108515	0	District
4	FA	Farmers Association	continuous	numeric-3.0	108515	0	Farmers Association
5	EA	Enumeration Area	continuous	numeric-2.0	108515	0	Enumeration Area
6	HH	Household Id	continuous	numeric-3.0	108515	0	Household Id
7	HHSEX	Head sex	continuous	numeric-1.0	108515	0	Head sex
8	HID	Holder id	continuous	numeric-1.0	108515	0	Holder id
9	PARCEL	Parcel	continuous	numeric-2.0	108515	0	Parcel
10	FLD	Field	continuous	numeric-2.0	108515	0	Field
11	FWEIGHT	Field Weight	continuous	numeric-7.2	108515	0	Field Weight
12	PART	Field Part	continuous	numeric-1.0	108515	0	Field Part
13	FLDT	Field Type	continuous	numeric-1.0	108515	0	Field Type
14	CROP	Crop or Land Use	continuous	numeric-3.0	108515	0	Crop or Land Use
15	OWNTYPE	Owner Type	continuous	numeric-1.0	108515	0	Owner Type
16	EXT	Extension	continuous	numeric-1.0	108515	0	-
17	IRRG	Irrigation Used	continuous	numeric-1.0	108515	0	Irrigation Used
18	SIRRG	Source of Irrigation	continuous	numeric-1.0	7864	100651	Source of Irrigation

File Field Information - Belg2001

#	Name	Label	Type	Format	Valid	Invalid	Question
19	SEEDTYPE	Seed Type	continuous	numeric-1.0	108515	0	Seed Type
20	WTIMSEED	Weight of improved Seed	continuous	numeric-8.3	1433	107082	Weight of improved Seed
21	COSTIMPS	Improved Seed Cost	continuous	numeric-9.2	1433	107082	Improved Seed Cost
22	WTNISEED	Weight of Non Improved Seed	continuous	numeric-8.3	107082	1433	Weight of Non Improved Seed
23	DAMAGE	Any Damage	continuous	numeric-1.0	108515	0	Any Damage
24	DREASON	Damage Reason	continuous	numeric-2.0	26058	82457	Damage Reason
25	DPERCENT	Damage Percent	continuous	numeric-3.0	26058	82457	Damage Percent
26	DMEASURE	Any Measure to Prevent Damage	continuous	numeric-1.0	108515	0	Any Measure to Prevent Damage
27	DMTYPE	Type of Damage Prevention	continuous	numeric-1.0	98203	10312	Type of Damage Prevention
28	DMCHEM	Chemical Used	continuous	numeric-1.0	1803	106712	Chemical Used
29	FERT	Fertilizer Used	continuous	numeric-1.0	108515	0	Fertilizer Used
30	FERTTYPE	Fertilizer Type	continuous	numeric-1.0	46523	61992	Fertilizer Type
31	D22A	Chemical Fertilizer Type	continuous	numeric-1.0	7064	101451	Chemical Fertilizer Type
32	D22B	Chemical Fertilizer quantity	continuous	numeric-8.3	7064	101451	Chemical Fertilizer quantity
33	D23	Natural Fertilizer Type	continuous	numeric-1.0	40777	67738	Natural Fertilizer Type
34	APERCENT	Percent of Field in Use	continuous	numeric-3.0	108515	0	Percent of Field in Use
35	AMONTH	Area Measure - Month	continuous	numeric-2.0	108515	0	Area Measure - Month
36	ADAY	Area Measure - Day	continuous	numeric-2.0	108515	0	Area Measure - Day
37	AREAH	Area in Hectar	continuous	numeric-8.6	108504	11	Area in Hectar
38	PROD98CQ	Production in quintal	continuous	numeric-10.5	83803	24712	Production in quintal

Variables Description

Dataset contains53 variable(s)

File Holder Information - Belg2001

#1 REG: Region

Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=39704 /-] [Invalid=0 /-] [Mean=5.68 /-] [StdDev=2.493 /-]
Literal question	Region

#2 ZONE: Zone

Information	[Type= continuous] [Format=numeric] [Range= 1-21] [Missing=*]
Statistics [NW/ W]	[Valid=39704 /-] [Invalid=0 /-] [Mean=7.943 /-] [StdDev=5.376 /-]
Literal question	Zone

#3 DIST: District

Information	[Type= continuous] [Format=numeric] [Range= 1-24] [Missing=*]
Statistics [NW/ W]	[Valid=39704 /-] [Invalid=0 /-] [Mean=5.903 /-] [StdDev=4.753 /-]
Literal question	District

#4 FA: Farmers Association

Information	[Type= continuous] [Format=numeric] [Range= 1-73] [Missing=*]
Statistics [NW/ W]	[Valid=39704 /-] [Invalid=0 /-] [Mean=14.304 /-] [StdDev=10.239 /-]
Literal question	Farmers Association

#5 EA: Enumeration Area

Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=39704 /-] [Invalid=0 /-] [Mean=2.917 /-] [StdDev=1.986 /-]
Literal question	Enumeration Area

#6 HH: Household Id

Information	[Type= continuous] [Format=numeric] [Range= 0-861] [Missing=*]
Statistics [NW/ W]	[Valid=39704 /-] [Invalid=0 /-] [Mean=84.78 /-] [StdDev=54.629 /-]
Literal question	Household Id

#7 HHSEX: Head sex

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=39704 /-] [Invalid=0 /-]
Literal question	Head sex

Value	Label	Cases	Percentage
1	Male	32414	81.6%
2	Female	7290	18.4%

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.

#8 HID: Holder id

Information	[Type= continuous] [Format=numeric] [Range= 1-7] [Missing=*]
Statistics [NW/ W]	[Valid=39704 /-] [Invalid=0 /-] [Mean=1.055 /-] [StdDev=0.275 /-]
Literal question	Holder id

File Holder Information - Belg2001

#9 HWEIGHT: Holder Weight

Information	[Type= continuous] [Format=numeric] [Range= 3.31-841.27] [Missing=*]
Statistics [NW/ W]	[Valid=39704 /-] [Invalid=0 /-] [Mean=177.716 /-] [StdDev=119.552 /-]
Literal question	Holder Weight

#10 V09: Age

Information	[Type= continuous] [Format=numeric] [Range= 1-98] [Missing=*/99]
Statistics [NW/ W]	[Valid=39623 /-] [Invalid=81 /-] [Mean=41.692 /-] [StdDev=15.682 /-]
Literal question	Age

#11 V10: Sex

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=39704 /-] [Invalid=0 /-]
Literal question	Sex

Value	Label	Cases	Percentage
1	Male	32517	81.9%
2	Female	7187	18.1%

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.

#12 V11: Education (Highest Grade)

Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*/99]
Statistics [NW/ W]	[Valid=39699 / 7055163.73] [Invalid=5 / 879.11]
Literal question	Educational Status (Highest Grade)

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Illiterate	25039	4395357.7	62.3%
2	No formal Education	2120	431839.5	6.1%
3	Grade 1 completed	916	160554.3	2.3%
4	Grade 2 completed	1785	314089.9	4.5%
5	Grade 3 completed	1883	336540.2	4.8%
6	Grade 4 completed	1783	315478.8	4.5%
7	Grade 5 completed	1574	284317.4	4.0%
8	Grade 6 completed	1582	276227.8	3.9%
9	Not Stated	1008	178702.0	2.5%
10	Grade 8 completed	814	150326.5	2.1%
11	Grade 9 completed	334	56850.9	0.8%
12	Grade 10 completed	530	94799.9	1.3%
13	Grade 11 completed	33	6633.3	0.1%
14	Grade 12 completed	201	38634.6	0.5%
15	Above Grade 12	97	14810.7	0.2%
99	Not Stated	5	879.1	

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

#13 V12: Household Size

Information	[Type= continuous] [Format=numeric] [Range= 0-60] [Missing=*]
Statistics [NW/ W]	[Valid=39702 /-] [Invalid=2 /-] [Mean=5.313 /-] [StdDev=2.365 /-]
Literal question	Household Size

File Holder Information - Belg2001

#14 V13: Type of Holding

Information	[Type= continuous] [Format=numeric] [Range= 1-3] [Missing=*/9]
Statistics [NW/ W]	[Valid=39703 /-] [Invalid=1 /-]
Literal question	Type of Holding

Value	Label	Cases	Percentage
1	Crop Only	3803	9.6%
2	Livestock Only	2738	6.9%
3	Both	33162	83.5%
9	Not Stated	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.

#15 HRATIO: Holder Ratio

Information	[Type= continuous] [Format=numeric] [Range= 0.0132238-0.8547945] [Missing=*]
Statistics [NW/ W]	[Valid=39704 /-] [Invalid=0 /-] [Mean=0.0828 /-] [StdDev=0.118 /-]
Literal question	Holder Ratio

File Field Information - Belg2001

#1 REG: Region

Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-] [Mean=6.008 /-] [StdDev=1.895 /-]
Literal question	Region

#2 ZONE: Zone

Information	[Type= continuous] [Format=numeric] [Range= 1-21] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-] [Mean=8.743 /-] [StdDev=5.191 /-]
Literal question	Zone

#3 DIST: District

Information	[Type= continuous] [Format=numeric] [Range= 1-24] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-] [Mean=5.535 /-] [StdDev=4.646 /-]
Literal question	District

#4 FA: Farmers Association

Information	[Type= continuous] [Format=numeric] [Range= 1-73] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-] [Mean=14.772 /-] [StdDev=10.45 /-]
Literal question	Farmers Association

#5 EA: Enumeration Area

Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-] [Mean=2.861 /-] [StdDev=1.863 /-]
Literal question	Enumeration Area

#6 HH: Household Id

Information	[Type= continuous] [Format=numeric] [Range= 1-861] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-] [Mean=86.484 /-] [StdDev=55.007 /-]
Literal question	Household Id

File Field Information - Belg2001

#7 HHSEX: Head sex

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-] [Mean=1.147 /-] [StdDev=0.354 /-]
Literal question	Head sex

#8 HID: Holder id

Information	[Type= continuous] [Format=numeric] [Range= 1-7] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-] [Mean=1.012 /-] [StdDev=0.121 /-]
Literal question	Holder id

#9 PARCEL: Parcel

Information	[Type= continuous] [Format=numeric] [Range= 1-69] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-] [Mean=1.381 /-] [StdDev=0.862 /-]
Literal question	Parcel

#10 FLD: Field

Information	[Type= continuous] [Format=numeric] [Range= 1-19] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-] [Mean=1.807 /-] [StdDev=1.341 /-]
Literal question	Field

#11 FWEIGHT: Field Weight

Information	[Type= continuous] [Format=numeric] [Range= 3.31-841.27] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-] [Mean=169.717 /-] [StdDev=120.38 /-]
Literal question	Field Weight

#12 PART: Field Part

Information	[Type= continuous] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-] [Mean=1.372 /-] [StdDev=0.608 /-]
Literal question	Field Part

#13 FLDT: Field Type

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-] [Mean=1.569 /-] [StdDev=0.495 /-]
Literal question	Field Type

#14 CROP: Crop or Land Use

Information	[Type= continuous] [Format=numeric] [Range= 1-123] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-]
Literal question	Crop or Land Use

Value	Label	Cases	Percentage
1	Barley	6610	6.2%
2	Maize	40482	37.7%
3	Millet	165	0.2%
4	Oats	380	0.4%
5	Rice	43	0.0%
6	Sorghum	3742	3.5%
7	Teff	2753	2.6%

File Field Information - Belg2001

#14 CROP: Crop or Land Use

Value	Label	Cases	Percentage
8	Wheat	1990	1.9%
11	Chick peas	366	0.3%
12	Haricot beans	23182	21.6%
13	Horse beans	873	0.8%
14	Lentils	274	0.3%
15	Field peas	804	0.7%
16	Vetch	84	0.1%
17	Gibto	3	0.0%
18	Soya Bean	12	0.0%
23	Linseed	87	0.1%
24	Ground nuts	198	0.2%
25	Neug	23	0.0%
26	Rapeseed	155	0.1%
27	Sesame	125	0.1%
28	Sunflower	78	0.1%
36	Fenugreek	107	0.1%
38	Red Peppers	365	0.3%
42	Bannana	0	0.0%
44	Lemon	0	0.0%
46	Mango	0	0.0%
47	Orange	0	0.0%
48	Papaya	0	0.0%
49	Pineapples	0	0.0%
51	Beet root	168	0.2%
52	Cabbage	199	0.2%
53	Carrot	142	0.1%
55	Garlic	2039	1.9%
56	Kale	9336	8.7%
57	Lettuce	19	0.0%
58	Onion	1321	1.2%
59	Green Peppers	468	0.4%
60	Potato	6690	6.2%
62	Sweet Potato	1983	1.8%
63	Tomatoes	482	0.4%
64	Godere	1480	1.4%
65	Guava(Zeytuna)	0	0.0%
69	Spinach	26	0.0%
71	Chat	0	0.0%
72	Coffee	0	0.0%
74	Enset	0	0.0%
75	Hops 'Gesho'	0	0.0%
76	Sugar cane	0	0.0%
77	Other stimulant crops	0	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.

File Field Information - Belg2001

#15 OWNTYPE: Owner Type

Information	[Type= continuous] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-]
Literal question	Owner Type

Value	Label	Cases	Percentage
1	Private	103147	95.1%
2	Rent/leased	3324	3.1%
3	Other	2044	1.9%

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.

#16 EXT: Extension

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Yes	3053	2.8%
2	No	105462	97.2%

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.

#17 IRRG: Irrigation Used

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-]
Literal question	Irrigation Used

Value	Label	Cases	Percentage
1	Yes	7864	7.2%
2	No	100651	92.8%

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.

#18 SIRRG: Source of Irrigation

Information	[Type= continuous] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=7864 /-] [Invalid=100651 /-] [Mean=1.504 /-] [StdDev=1.204 /-]
Literal question	Source of Irrigation

#19 SEEDTYPE: Seed Type

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-]
Literal question	Seed Type

Value	Label	Cases	Percentage
1	Improved	1433	1.3%
2	Non-improved	107082	98.7%

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.

#20 WTIMSEED: Weight of improved Seed

Information	[Type= continuous] [Format=numeric] [Range= 0.003-9999.999] [Missing=*]
Statistics [NW/ W]	[Valid=1433 /-] [Invalid=107082 /-]
Literal question	Weight of improved Seed

File Field Information - Belg2001

#20 WTIMSEED: Weight of improved Seed

Value	Label	Cases	Percentage
9999.999	Not stated	528	100.0%

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

#21 COSTIMPS: Improved Seed Cost

Information	[Type= continuous] [Format=numeric] [Range= 0.5-999999.99] [Missing=*]
Statistics [NW/ W]	[Valid=1433 /-] [Invalid=107082 /-]
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.

#22 WTNISEED: Weight of Non Improved Seed

Information	[Type= continuous] [Format=numeric] [Range= 0-9999.999] [Missing=*]
Statistics [NW/ W]	[Valid=107082 /-] [Invalid=1433 /-]
Literal question	Weight of Non Improved Seed

Value	Label	Cases	Percentage
9999.999	Not stated	34356	100.0%

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

#23 DAMAGE: Any Damage

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-]
Literal question	Any Damage

Value	Label	Cases	Percentage
1	Yes	26058	24.0%
2	No	82457	76.0%

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.

#24 DREASON: Damage Reason

Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=26058 /-] [Invalid=82457 /-]
Literal question	Damage Reason

Value	Label	Cases	Percentage
1	Too much rain	728	2.8%
2	Too little rain	62	0.2%
3	Insects	187	0.7%
4	Crop disease	31	0.1%
5	Weeds	1349	5.2%
6	Hail	18995	72.9%
7	Frost	350	1.3%
8	Floods	920	3.5%
9	Wild animals	137	0.5%
10	Locust	449	1.7%
11	Birds	1144	4.4%

File Field Information - Belg2001

#24 DREASON: Damage Reason

Value	Label	Cases	Percentage
12	Shortage of seeds	62	0.2%
13	Depletion of soil fertility	906	3.5%
14	Security problems	2	0.0%
15	Other	736	2.8%

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.

#25 DPERCENT: Damage Percent

Information	[Type= continuous] [Format=numeric] [Range= 0-999] [Missing=*]
Statistics [NW/ W]	[Valid=26058 /-] [Invalid=82457 /-]
Literal question	Damage Percent

Value	Label	Cases	Percentage
999	Not Stated	669	100.0%

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

#26 DMEASURE: Any Measure to Prevent Damage

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-]
Literal question	Any Measure to Prevent Damage

Value	Label	Cases	Percentage
1	Yes	106078	97.8%
2	No	2437	2.2%

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.

#27 DMTYPE: Type of Damage Prevention

Information	[Type= continuous] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=98203 /-] [Invalid=10312 /-]
Literal question	Type of Damage Prevention

Value	Label	Cases	Percentage
1	Chemical	696	0.7%
2	Non-chemical	93963	98.1%
3	Both	1107	1.2%

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.

#28 DMCHEM: Chemical Used

Information	[Type= continuous] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=1803 /-] [Invalid=106712 /-]
Literal question	Chemical Used

Value	Label	Cases	Percentage
1	Insecticide	230	12.8%
2	Herbicide	1306	72.4%
3	Fungicide	36	2.0%
4	Insectcide & Herbicide	93	5.2%
5	Insectcide & Fungicide	18	1.0%
6	Herbicide & Fungicide	3	0.2%

File Field Information - Belg2001

#28 DMCHEM: Chemical Used

Value	Label	Cases	Percentage
7	All	0	0.0%
9	Not stated	117	6.5%

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.

#29 FERT: Fertilizer Used

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-]
Literal question	Fertilizer Used

Value	Label	Cases	Percentage
1	Yes	46523	42.9%
2	No	61992	57.1%

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.

#30 FERTTYPE: Fertilizer Type

Information	[Type= continuous] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=46523 /-] [Invalid=61992 /-]
Literal question	Fertilizer Type

Value	Label	Cases	Percentage
1	Natural	39459	84.8%
2	Chemical	5746	12.4%
3	Both	1318	2.8%

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.

#31 D22A: Chemical Fertilizer Type

Information	[Type= continuous] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=7064 /-] [Invalid=101451 /-]
Literal question	Chemical Fertilizer Type

Value	Label	Cases	Percentage
1	Urea	538	7.6%
2	DAP	5139	72.7%
3	Both	1102	15.6%
9	Not stated	285	4.0%

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.

#32 D22B: Chemical Fertilizer quantity

Information	[Type= continuous] [Format=numeric] [Range= 0.015-9999.999] [Missing=*]
Statistics [NW/ W]	[Valid=7064 /-] [Invalid=101451 /-]
Literal question	Chemical Fertilizer quantity

Value	Label	Cases	Percentage
9999.99	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.

#33 D23: Natural Fertilizer Type

Information	[Type= continuous] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=40777 /-] [Invalid=67738 /-]

File Field Information - Belg2001

#33 D23: Natural Fertilizer Type

Literal question	Natural Fertilizer Type

Value	Label	Cases	Percentage
1	Manure	32025	80.8%
2	Humese/besebash	2618	6.6%
3	Both	9	0.0%
4	Others	4597	11.6%
9	Not stated	383	1.0%

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

#34 APERCENT: Percent of Field in Use

Information	[Type= continuous] [Format=numeric] [Range= 0-100] [Missing=*]
Statistics [NW/ W]	[Valid=108515 / 18416807.78] [Invalid=0 / 0]
Literal question	Percent of Field in Use

Value	Label	Cases	Weighted	Percentage (Weighted)
0	Land use only	0	0.0	0.0%
100	Single crop	46817	8539795.3	100.0%

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

#35 AMONTH: Area Measure - Month

Information	[Type= continuous] [Format=numeric] [Range= 1-99] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-]
Literal question	Area Measure - Month

Value	Label	Cases	Percentage
1	Meskerem	2229	2.1%
2	Tikimt	2279	2.1%
3	Hidar	3335	3.1%
4	Tahsas	3646	3.4%
5	Tir	3901	3.6%
6	Yekatit	3659	3.4%
7	Megabit	3173	2.9%
8	Miazia	2818	2.6%
9	Ginbot	1798	1.7%
10	Sene	3713	3.4%
11	Hamle	2881	2.7%
12	Nehase	3109	2.9%
13	Pagume	0	0.0%
99	Not stated	71974	66.3%

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.

#36 ADAY: Area Measure - Day

Information	[Type= continuous] [Format=numeric] [Range= 1-99] [Missing=*]
Statistics [NW/ W]	[Valid=108515 /-] [Invalid=0 /-]
Literal question	Area Measure - Day

File Field Information - Belg2001

#36 ADAY: Area Measure - Day

Value	Label	Cases	Percentage
99	Not stated	4405	100.0%

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

#37 AREAH: Area in Hectar

Information	[Type= continuous] [Format=numeric] [Range= 2.4e-05-6.605231] [Missing=*]
Statistics [NW/ W]	[Valid=108504 /-] [Invalid=11 /-] [Mean=0.0762 /-] [StdDev=0.143 /-]
Literal question	Area in Hectar

#38 PROD98CQ: Production in quintal

Information	[Type= continuous] [Format=numeric] [Range= 0-149.60006] [Missing=*]
Statistics [NW/ W]	[Valid=83803 /-] [Invalid=24712 /-] [Mean=0.661 /-] [StdDev=2 /-]
Literal question	Production in quintal

Documentation

Reports and analytical documents

Study Documentation, Central Statistical Agency, Ethiopia [eth], English [eng], "Doc\Reports \AgSS_Belg_2008_Metadata.pdf"

Agricultural Sample Survey, Belg Season 2008-2009 (2001 E.C) Volume V, Area and Production of Belg Season Crops, Central Statistical Agency, October 2009, Ethiopia [eth], English [eng], "Doc\Reports\Belg Area and production report 2001.pdf"

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Agricultural Sample Survey, Belg Season 2008-2009 (2000 E.C) - Questionnaire, Central Statistical Agency, Ethiopia [eth], English [eng], "Doc\Questionnaires\Questionnaire_Belg 2001.pdf"

Technical documents

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

Other resources

*** **Untitled** ***, "Docs\pdf\Report_on_Belg.pdf"

*** **Untitled** ***, "Docs\pdf\AgSS_Belg_2007_ Metadata.pdf"

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