Ethiopia

Central Statistical Agency, Ministry of Finance and Economic Development

Agricultural Sample Survey, Belg Season 2007-2008 (2000 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
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Table of Contents

Ethiopia (2007)
Agricultural Sample Survey, Belg Season 2007-2008 (2000 E.C) (AgSS-Belg 2007-2008)

Overview

Type	Agricultural Survey [ag/oth]
Identification	ETH-CSA-AgSS-Belg-2007-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 2007/08 (2000
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 2007/08 (2000 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 programs.

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 2007-2008 (2000 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 68 Zones / Special weredas (that are treated as zones) of other regions.

Universe

Agricultural households

Producers & Sponsors

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

Sampling

Sampling Procedure

SAMPLING FRAME

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

SAMPLE DESIGN

In order to select the sample a stratified two-stage cluster sample design was implemented. Enumeration areas (EAs) were taken to be the primary sampling units (PSUs) and the secondary sampling units (SSUs) were agricultural households. The sample size for the 2007/8 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 2,200 Enumeration Areas (EAs) were selected. However, due to various reasons that are beyond control, in 75 EAs the survey could not be successful and hence interrupted. Thus, all in all the survey succeeded to cover 2,125 EAs throughout the regions.

Data Collection

Data Collection Dates	start 2007-05 end 2007-06

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 2007/08 (2000 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 2007/08 (2000 E.C.), Belg crop production by region.

Questionnaires

The 2007-2008 annual Agricultural Sample Survey used structured questionnaires to collect agricultural information from selected sample households.

List of forms in the questionnaire:

- CPSS Form 2000/3A: It contains form for listing holder information and crop productivity compared to last year.
- CPSS Form 2000/3B: It contains forms for crop productivity compared to last year.

Note: The questionnaire is presented in the Appendix IV of the 2007-2008 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

a) Editing, Coding and Verification

To insure the quality of the collected survey data an editing, coding, and verification instruction manual was written, and seventeen editors, data coders and verifiers were trained for one day to edit, code and verify the data using the aforementioned manual as a reference and teaching aid.

The enumerator completed edited and coded questionnaires sent to the head office were thoroughly verified by trained verifiers on a 100% basis before the questionnaires were sent to the data entry unit. The editing, coding, verification and data entry of all questionnaires was completed in three weeks time.

b) Data Entry, Cleaning and Tabulation

Before starting data entry computer edit specifications were prepared for use on personal computers, utilizing the CSPRO Software for data consistency checking purposes. The data on the coded questionnaires were then entered into the CSPRO software on personal computers. The data was then checked and cleaned using the computer edit specifications prepared earlier for this purpose. Fifty-six data encoders were involved in this total process and it took fourteen days to complete the job. Finally, tabulation was done on personal computers to produce results as indicated in 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 of the 2007-2008 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 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.

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Files Description

Dataset contains 2 file(s)

Holder Information	
# Cases	37029
# Variable(s)	15
Producer Ethiopia Central Statistical Agency	

Field Information	
# Cases	96170
# Variable(s)	55
Producer Ethiopia Central Statistical Agency	

Variables List

Dataset contains 70 variable(s)

File Holder Information

#	Name	Label	Type	Format	Valid	Invalid	Question
1	REG	Region	continuous	numeric-2.0	37029	0	Region
2	ZONE	Zone	continuous	numeric-2.0	37029	0	Zone
3	DIST	District	continuous	numeric-2.0	37029	0	District
4	FA	Farmers Association	continuous	numeric-3.0	37029	0	Farmers Association
5	EA	Enumeration Area	continuous	numeric-2.0	37029	0	Enumeration Area
6	HH	Household Id	continuous	numeric-3.0	37029	0	Household Id
7	HHSEX	Head sex	continuous	numeric-1.0	37029	0	Head sex
8	HID	Holder id	continuous	numeric-1.0	37029	0	Holder id
9	HWEIGHT	Holder Weight	continuous	numeric-7.2	37029	0	Holder Weight
10	V09	Age	continuous	numeric-2.0	36949	80	Age
11	V10	Sex	continuous	numeric-1.0	37029	0	Sex
12	V11	Education (Highest Grade)	continuous	numeric-2.0	37021	8	Education (Highest Grade)
13	V12	Household Size	continuous	numeric-2.0	37026	3	Household Size
14	V13	Type	continuous	numeric-1.0	37028	1	Type
15	HRATIO	Holder Ratio	continuous	numeric-9.7	37029	0	Holder Ratio

File Field Information

#	Name	Label	Type	Format	Valid	Invalid	Question
1	REG	Region	continuous	numeric-2.0	96170	0	Region
2	ZONE	Zone	continuous	numeric-2.0	96170	0	Zone
3	DIST	District	continuous	numeric-2.0	96170	0	District
4	FA	Farmers Association	continuous	numeric-3.0	96170	0	Farmers Association
5	EA	Enumeration Area	continuous	numeric-2.0	96170	0	Enumeration Area
6	HH	Household Id	continuous	numeric-3.0	96170	0	Household Id
7	HHSEX	Head sex	continuous	numeric-1.0	96170	0	Head sex
8	HID	Holder id	continuous	numeric-1.0	96170	0	Holder id
9	PARCEL	Parcel	continuous	numeric-2.0	96170	0	Parcel
10	FLD	Field	continuous	numeric-2.0	96170	0	Field
11	FWEIGHT	Field Weight	continuous	numeric-7.2	96170	0	Field Weight
12	PART	Field Part	continuous	numeric-1.0	96170	0	Field Part
13	FLDT	Field Type	continuous	numeric-1.0	96170	0	Field Type
14	CROP	Crop or Land Use	continuous	numeric-3.0	96170	0	Crop or Land Use
15	OWNTYPE	Owner Type	continuous	numeric-1.0	96170	0	Owner Type
16	EXT	Extension	continuous	numeric-1.0	96170	0	Extension
17	IRRG	Irrigation Used	continuous	numeric-1.0	96170	0	Irrigation Used
18	SIRRG	Source of Irrigation	continuous	numeric-1.0	6892	89278	Source of Irrigation

File Field Information

#	Name	Label	Type	Format	Valid	Invalid	Question
19	SEEDTYPE	Seed Type	continuous	numeric-1.0	96170	0	Seed Type
20	WTIMSEED	Weight of improved Seed	continuous	numeric-8.3	1402	94768	Weight of improved Seed
21	COSTIMPS	Improved Seed Cost	continuous	numeric-9.2	1402	94768	Improved Seed Cost
22	WTNISEED	Weight of Non Improved Seed	continuous	numeric-8.3	94768	1402	Weight of Non Improved Seed
23	DAMAGE	Any Damage	continuous	numeric-1.0	96170	0	Any Damage
24	DREASON	Damage Reason	continuous	numeric-2.0	15266	80904	Damage Reason
25	DPERCENT	Damage Percent	continuous	numeric-3.0	15266	80904	Damage Percent
26	DMEASURE	Any Measure to Prevent Damage	continuous	numeric-1.0	96170	0	Any Measure to Prevent Damage
27	DMTYPE	Type of Damage Prevention	continuous	numeric-1.0	87163	9007	Type of Damage Prevention
28	DMCHEM	Chemical Used	continuous	numeric-1.0	2443	93727	Chemical Used
29	FERT	Fertilizer Used	continuous	numeric-1.0	96170	0	Fertilizer Used
30	FERTTYPE	Fertilizer Type	continuous	numeric-1.0	41981	54189	Fertilizer Type
31	D22A	Chemical Fertilizer Type	continuous	numeric-1.0	5432	90738	Chemical Fertilizer Type
32	D22B	Chemical Fertilizer quantity	continuous	numeric-8.3	5432	90738	Chemical Fertilizer quantity
33	D23	Natural Fertilizer Type	continuous	numeric-1.0	37529	58641	Natural Fertilizer Type
34	APERCENT	Percent of Field in Use	continuous	numeric-3.0	96170	0	Percent of Field in Use
35	AMONTH	Area Measure - Month	continuous	numeric-2.0	96170	0	Area Measure - Month
36	ADAY	Area Measure - Day	continuous	numeric-2.0	96170	0	Area Measure - Day
37	CERROR	Closuer error	continuous	numeric-3.0	93676	2494	Closuer error
38	ENUMAREA	Enumerator Area (sq. m.)	continuous	numeric-8.2	93794	2376	Enumerator Area (sq. m.)
39	COMPAREA	Computer Area (sq. m.)	continuous	numeric-8.2	90910	5260	Computer Area (sq. m.)
40	AREAH	Area in Hectar	continuous	numeric-8.6	96161	9	Area in Hectar
41	AREA	Area (sq. m.)	continuous	numeric-8.2	96161	9	Area (sq. m.)
42	PLUNIT	Local production unit	continuous	numeric-2.0	82735	13435	Local production unit
43	PLOCAL	Production in local unit	continuous	numeric-8.2	83257	12913	Production in local unit
44	PRODQ	Production in Quintal	continuous	numeric-10.4	0	96170	Production in Quintal
45	PROD	Dry Weight Production (kg.)	continuous	numeric-10.3	0	96170	Dry Weight Production (kg.)
46	YIELD98	Yield of main season 1998 E.C.	continuous	numeric-8.0	79701	16469	Yield of main season 1998 E.C.
47	COND98	Cond98 Condition	continuous	numeric-4.0	96170	0	-
48	CONDDA	Condda	continuous	numeric-4.0	41993	54177	-
49	CONDFA	Condfa	continuous	numeric-4.0	41773	54397	-
50	PROD98CQ	Production Of Condition quintal	continuous	numeric-10.5	79701	16469	Production Of Condition quintal
51	PROD98CK	Production Of Condition in Kg	continuous	numeric-10.3	79701	16469	Production Of Condition in Kg
52	PRODDAQ	Production of DA quintal	continuous	numeric-10.5	35234	60936	Production of DA quintal

File Field Information

#	Name	Label	Type	Format	Valid	Invalid	Question
53	PRODDAKG	Production of DA in kg	continuous	numeric-10.3	35234	60936	Production of DA in kg
54	PRODFAQ	Production of FA quintal	continuous	numeric-10.5	35073	61097	Production of FA quintal
55	PRODFKG	Production of FA kg	continuous	numeric-10.3	35073	61097	Production of FA kg

Variables Description

Dataset contains70 variable(s)

File Holder Information

#1 REG: Region

Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=37029 /-] [Invalid=0 /-]
Literal question	Region

Value	Label	Cases	Percentage
1	Tigray	1489	4.0%
2	Afar	0	0.0%
3	Amhara	3342	9.0%
4	Oromia	11265	30.4%
5	Somale	520	1.4%
6	Ben-Gumuz	1295	3.5%
7	SNNP	16861	45.5%
12	Gambela	1101	3.0%
13	Harari	450	1.2%
14	Addis Ababa	0	0.0%
15	Dire Dawa	706	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.

#2 ZONE: Zone

Information	[Type= continuous] [Format=numeric] [Range= 1-21] [Missing=*]
Statistics [NW/ W]	[Valid=37029 /-] [Invalid=0 /-] [Mean=7.974 /-] [StdDev=5.442 /-]
Literal question	Zone

#3 DIST: District

Information	[Type= continuous] [Format=numeric] [Range= 1-23] [Missing=*]
Statistics [NW/ W]	[Valid=37029 /-] [Invalid=0 /-] [Mean=5.535 /-] [StdDev=4.543 /-]
Literal question	District

#4 FA: Farmers Association

Information	[Type= continuous] [Format=numeric] [Range= 1-403] [Missing=*]
Statistics [NW/ W]	[Valid=37029 /-] [Invalid=0 /-] [Mean=15.688 /-] [StdDev=24.195 /-]
Literal question	Farmers Association

#5 EA: Enumeration Area

Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=37029 /-] [Invalid=0 /-] [Mean=3.04 /-] [StdDev=2.054 /-]
Literal question	Enumeration Area

#6 HH: Household Id

Information	[Type= continuous] [Format=numeric] [Range= 1-971] [Missing=*]
Statistics [NW/ W]	[Valid=37029 /-] [Invalid=0 /-] [Mean=84.968 /-] [StdDev=54.212 /-]
Literal question	Household Id

File Holder Information

#7 HHSEX: Head sex

Information	[Type= continuous] [Format=numeric] [Range= 0-2] [Missing=*]
Statistics [NW/ W]	[Valid=37029 /-] [Invalid=0 /-] [Mean=1.18 /-] [StdDev=0.384 /-]
Literal question	Head sex

#8 HID: Holder id

Information	[Type= continuous] [Format=numeric] [Range= 0-9] [Missing=*]
Statistics [NW/ W]	[Valid=37029 /-] [Invalid=0 /-] [Mean=1.056 /-] [StdDev=0.289 /-]
Literal question	Holder id

#9 HWEIGHT: Holder Weight

Information	[Type= continuous] [Format=numeric] [Range= 2.4-754.01] [Missing=*]
Statistics [NW/ W]	[Valid=37029 /-] [Invalid=0 /-] [Mean=201.685 /-] [StdDev=135.919 /-]
Literal question	Holder Weight

#10 V09: Age

Information	[Type= continuous] [Format=numeric] [Range= 1-98] [Missing=*/99]
Statistics [NW/ W]	[Valid=36949 /-] [Invalid=80 /-] [Mean=41.752 /-] [StdDev=15.724 /-]
Literal question	Age

#11 V10: Sex

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=37029 /-] [Invalid=0 /-]
Literal question	Sex

Value	Label	Cases	Percentage
1	Male	30338	81.9%
2	Female	6691	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=37021 /-] [Invalid=8 /-] [Mean=2.834 /-] [StdDev=3.025 /-]
Literal question	Education (Highest Grade)

#13 V12: Household Size

Information	[Type= continuous] [Format=numeric] [Range= 1-99] [Missing=*]
Statistics [NW/ W]	[Valid=37026 /-] [Invalid=3 /-] [Mean=5.317 /-] [StdDev=2.509 /-]
Literal question	Household Size

#14 V13: Type

Information	[Type= continuous] [Format=numeric] [Range= 1-4] [Missing=*/9]
Statistics [NW/ W]	[Valid=37028 /-] [Invalid=1 /-]
Literal question	Type

Value	Label	Cases	Percentage
1	Never Mariied	2906	7.8%
2	Married	6088	16.4%

File Holder Information

#14 V13: Type

Value	Label	Cases	Percentage
3	Divorced	28034	75.7%
4	Widowed	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.

#15 HRATIO: Holder Ratio

Information	[Type= continuous] [Format=numeric] [Range= 0.0116062-0.9493888] [Missing=*]
Statistics [NW/ W]	[Valid=37029 /-] [Invalid=0 /-] [Mean=0.0874 /-] [StdDev=0.133 /-]
Literal question	Holder Ratio

File Field Information

#1 REG: Region

Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-] [Mean=6.175 /-] [StdDev=1.898 /-]
Literal question	Region

#2 ZONE: Zone

Information	[Type= continuous] [Format=numeric] [Range= 1-21] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-] [Mean=9.01 /-] [StdDev=5.409 /-]
Literal question	Zone

#3 DIST: District

Information	[Type= continuous] [Format=numeric] [Range= 1-23] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-] [Mean=5.058 /-] [StdDev=4.392 /-]
Literal question	District

#4 FA: Farmers Association

Information	[Type= continuous] [Format=numeric] [Range= 1-403] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-] [Mean=16.558 /-] [StdDev=27.039 /-]
Literal question	Farmers Association

#5 EA: Enumeration Area

Information	[Type= continuous] [Format=numeric] [Range= 1-13] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-] [Mean=2.897 /-] [StdDev=1.881 /-]
Literal question	Enumeration Area

#6 HH: Household Id

Information	[Type= continuous] [Format=numeric] [Range= 1-844] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-] [Mean=86.12 /-] [StdDev=56.327 /-]
Literal question	Household Id

#7 HHSEX: Head sex

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-] [Mean=1.146 /-] [StdDev=0.353 /-]
Literal question	Head sex

File Field Information

#8 HID: Holder id

Information	[Type= continuous] [Format=numeric] [Range= 0-7] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-] [Mean=1.01 /-] [StdDev=0.117 /-]
Literal question	Holder id

#9 PARCEL: Parcel

Information	[Type= continuous] [Format=numeric] [Range= 1-51] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-] [Mean=1.334 /-] [StdDev=0.847 /-]
Literal question	Parcel

#10 FLD: Field

Information	[Type= continuous] [Format=numeric] [Range= 0-56] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-] [Mean=1.865 /-] [StdDev=1.526 /-]
Literal question	Field

#11 FWEIGHT: Field Weight

Information	[Type= continuous] [Format=numeric] [Range= 2.4-754.01] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-] [Mean=187.989 /-] [StdDev=134.03 /-]
Literal question	Field Weight

#12 PART: Field Part

Information	[Type= continuous] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-]
Literal question	Field Part

Value	Label	Cases	Percentage
1		64486	67.1%
2		24199	25.2%
3		7485	7.8%

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.

#13 FLDT: Field Type

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-] [Mean=1.603 /-] [StdDev=0.489 /-]
Literal question	Field Type

#14 CROP: Crop or Land Use

Information	[Type= continuous] [Format=numeric] [Range= 1-123] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-]
Literal question	Crop or Land Use

Value	Label	Cases	Percentage
1	Barley	4436	4.7%
2	Maize	35512	37.3%
3	Millet	225	0.2%
4	Oats	405	0.4%
5	Rice	41	0.0%
6	Sorghum	3335	3.5%

File Field Information

#14 CROP: Crop or Land Use

Value	Label	Cases	Percentage
7	Teff	2220	2.3%
8	Wheat	1409	1.5%
11	Chick peas	157	0.2%
12	Haricot beans	20879	22.0%
13	Horse beans	717	0.8%
14	Lentils	118	0.1%
15	Field peas	658	0.7%
16	Vetch	76	0.1%
17	Gibto	6	0.0%
18	Soya Bean	16	0.0%
23	Linseed	94	0.1%
24	Ground nuts	181	0.2%
25	Neug	33	0.0%
26	Rapeseed	115	0.1%
27	Sesame	140	0.1%
28	Sunflower	72	0.1%
36	Fenugreek	134	0.1%
38	Red Peppers	318	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	281	0.3%
52	Cabbage	349	0.4%
53	Carrot	198	0.2%
55	Garlic	1478	1.6%
56	Kale	11048	11.6%
57	Lettuce	48	0.1%
58	Onion	1409	1.5%
59	Green Peppers	471	0.5%
60	Potato	5487	5.8%
62	Sweet Potato	1110	1.2%
63	Tomatoes	404	0.4%
64	Godere	1450	1.5%
65	Guava(Zeytuna)	0	0.0%
69	Spinach	52	0.1%
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%

File Field Information

#14 CROP: Crop or Land Use

Value	Label	Cases	Percentage
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.

#15 OWNTYPE: Owner Type

Information	[Type= continuous] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-]
Literal question	Owner Type

Value	Label	Cases	Percentage
1	Private	91400	95.0%
2	Rent/leased	3210	3.3%
3	Other	1560	1.6%

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.

#16 EXT: Extension

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-]
Literal question	Extension

Value	Label	Cases	Percentage
1	Yes	2499	2.6%
2	No	93671	97.4%

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.

#17 IRRG: Irrigation Used

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-]
Literal question	Irrigation Used

Value	Label	Cases	Percentage
1	Yes	6884	7.2%
2	No	89286	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= 0-7] [Missing=*]
Statistics [NW/ W]	[Valid=6892 /-] [Invalid=89278 /-] [Mean=1.529 /-] [StdDev=1.227 /-]
Literal question	Source of Irrigation

#19 SEEDTYPE: Seed Type

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-]
Literal question	Seed Type

Value	Label	Cases	Percentage
1	Improved	1402	1.5%
2	Non-improved	94768	98.5%

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.

File Field Information

#20 WTIMSEED: Weight of improved Seed

Information	[Type= continuous] [Format=numeric] [Range= 0.005-9999.999] [Missing=*]
Statistics [NW/ W]	[Valid=1402 /-] [Invalid=94768 /-]
Literal question	Weight of improved Seed

Value	Label	Cases	Percentage
9999.999	Not stated	623	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= 0.75-999999.99] [Missing=*]
Statistics [NW/ W]	[Valid=1402 /-] [Invalid=94768 /-]
Literal question	Improved Seed Cost

Value	Label	Cases	Percentage
999999.99	Not stated	767	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.

#22 WTNISEED: Weight of Non Improved Seed

Information	[Type= continuous] [Format=numeric] [Range= 0-9999.999] [Missing=*]
Statistics [NW/ W]	[Valid=94768 /-] [Invalid=1402 /-]
Literal question	Weight of Non Improved Seed

Value	Label	Cases	Percentage
9999.999	Not stated	32767	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=96170 /-] [Invalid=0 /-]
Literal question	Any Damage

Value	Label	Cases	Percentage
1	Yes	15266	15.9%
2	No	80904	84.1%

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.

#24 DREASON: Damage Reason

Information	[Type= continuous] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=15266 /-] [Invalid=80904 /-]
Literal question	Damage Reason

Value	Label	Cases	Percentage
1	Too much rain	559	3.7%
2	Too little rain	60	0.4%
3	Insects	246	1.6%
4	Crop disease	45	0.3%
5	Weeds	1996	13.1%
6	Hail	7915	51.8%
7	Frost	334	2.2%

File Field Information

#24 DREASON: Damage Reason

Value	Label	Cases	Percentage
8	Floods	590	3.9%
9	Wild animals	129	0.8%
10	Locust	455	3.0%
11	Birds	1420	9.3%
12	Shortage of seeds	96	0.6%
13	Depletion of soil fertility	627	4.1%
14	Security problems	8	0.1%
15	Other	786	5.1%

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.

#25 DPERCENT: Damage Percent

Information	[Type= continuous] [Format=numeric] [Range= 0-999] [Missing=*]
Statistics [NW/ W]	[Valid=15266 /-] [Invalid=80904 /-]
Literal question	Damage Percent

Value	Label	Cases	Percentage
0		0	0.0%
100		992	71.8%
999	Not Stated	389	28.2%

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.

#26 DMEASURE: Any Measure to Prevent Damage

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-]
Literal question	Any Measure to Prevent Damage

Value	Label	Cases	Percentage
1	Yes	93638	97.4%
2	No	2532	2.6%

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.

#27 DMTYPE: Type of Damage Prevention

Information	[Type= continuous] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=87163 /-] [Invalid=9007 /-]
Literal question	Type of Damage Prevention

Value	Label	Cases	Percentage
1	Chemical	866	1.0%
2	Non-chemical	82188	97.1%
3	Both	1577	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.

#28 DMCHEM: Chemical Used

Information	[Type= continuous] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=2443 /-] [Invalid=93727 /-]
Literal question	Chemical Used

File Field Information

#28 DMCHEM: Chemical Used

Value	Label	Cases	Percentage
1	Insecticide	808	33.1%
2	Herbicide	1289	52.8%
3	Fungicide	33	1.4%
4	Insectcide & Herbicide	93	3.8%
5	Insectcide & Fungicide	54	2.2%
6	Herbicide & Fungicide	15	0.6%
7	All	1	0.0%
9	Not stated	150	6.1%

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.

#29 FERT: Fertilizer Used

Information	[Type= continuous] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-]
Literal question	Fertilizer Used

Value	Label	Cases	Percentage
1	Yes	41981	43.7%
2	No	54189	56.3%

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.

#30 FERTTYPE: Fertilizer Type

Information	[Type= continuous] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=41981 /-] [Invalid=54189 /-]
Literal question	Fertilizer Type

Value	Label	Cases	Percentage
1	Natural	36549	87.1%
2	Chemical	4452	10.6%
3	Both	980	2.3%

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.

#31 D22A: Chemical Fertilizer Type

Information	[Type= continuous] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=5432 /-] [Invalid=90738 /-]
Literal question	Chemical Fertilizer Type

Value	Label	Cases	Percentage
1	Urea	315	5.8%
2	DAP	4152	76.4%
3	Both	579	10.7%
9	Not stated	386	7.1%

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

#32 D22B: Chemical Fertilizer quantity

Information	[Type= continuous] [Format=numeric] [Range= 0.025-9999.999] [Missing=*]
Statistics [NW/ W]	[Valid=5432 /-] [Invalid=90738 /-]
Literal question	Chemical Fertilizer quantity

File Field Information

#32 D22B: Chemical Fertilizer quantity

Value	Label	Cases	Percentage
9999.999	Not stated	476	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.

#33 D23: Natural Fertilizer Type

Information	[Type= continuous] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=37529 /-] [Invalid=58641 /-]
Literal question	Natural Fertilizer Type

Value	Label	Cases	Percentage
1	Manure	29130	78.9%
2	Humese/besebash	1946	5.3%
3	Both	6	0.0%
4	Others	5355	14.5%
9	Not stated	495	1.3%

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.

#34 APERCENT: Percent of Field in Use

Information	[Type= continuous] [Format=numeric] [Range= 0-100] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-]
Literal question	Percent of Field in Use

Value	Label	Cases	Percentage
0	Land use only	0	0.0%
100	Single crop	38165	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=96170 /-] [Invalid=0 /-]
Literal question	Area Measure - Month

Value	Label	Cases	Percentage
1	Meskerem	2338	2.4%
2	Tikimt	2721	2.8%
3	Hidar	2194	2.3%
4	Tahsas	2876	3.0%
5	Tir	3383	3.5%
6	Yekatit	3375	3.5%
7	Megabit	3604	3.7%
8	Miazia	3450	3.6%
9	Ginbot	2631	2.7%
10	Sene	2933	3.0%
11	Hamle	3434	3.6%
12	Nehase	3745	3.9%
13	Pagume	0	0.0%
99	Not stated	59486	61.9%

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.

File Field Information

#36 ADAY: Area Measure - Day

Information	[Type= continuous] [Format=numeric] [Range= 1-99] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-]
Literal question	Area Measure - Day

Value	Label	Cases	Percentage
99	Not stated	4378	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 CERROR: Closuer error

Information	[Type= continuous] [Format=numeric] [Range= 0-575] [Missing=*]
Statistics [NW/ W]	[Valid=93676 /-] [Invalid=2494 /-] [Mean=142.282 /-] [StdDev=107.781 /-]
Literal question	Closuer error

#38 ENUMAREA: Enumerator Area (sq. m.)

Information	[Type= continuous] [Format=numeric] [Range= 0-35539.12] [Missing=*]
Statistics [NW/ W]	[Valid=93794 /-] [Invalid=2376 /-]
Literal question	Enumerator Area (sq. m.)

Value	Label	Cases	Percentage
0		68	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.

#39 COMPAREA: Computer Area (sq. m.)

Information	[Type= continuous] [Format=numeric] [Range= 0-35876.26] [Missing=*]
Statistics [NW/ W]	[Valid=90910 /-] [Invalid=5260 /-]
Literal question	Computer Area (sq. m.)

Value	Label	Cases	Percentage
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.

#40 AREAH: Area in Hectar

Information	[Type= continuous] [Format=numeric] [Range= 1.7e-05-3.553912] [Missing=*]
Statistics [NW/ W]	[Valid=96161 /-] [Invalid=9 /-] [Mean=0.0699 /-] [StdDev=0.135 /-]
Literal question	Area in Hectar

#41 AREA: Area (sq. m.)

Information	[Type= continuous] [Format=numeric] [Range= 0-35539.12] [Missing=*]
Statistics [NW/ W]	[Valid=96161 /-] [Invalid=9 /-]
Literal question	Area (sq. m.)

Value	Label	Cases	Percentage
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.

#42 PLUNIT: Local production unit

Information	[Type= continuous] [Format=numeric] [Range= 0-99] [Missing=*]
Statistics [NW/ W]	[Valid=82735 /-] [Invalid=13435 /-]
Literal question	Local production unit

File Field Information

#42 PLUNIT: Local production unit

Value	Label	Cases	Percentage
0		41	100.0%
99		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.

#43 PLOCAL: Production in local unit

Information	[Type= continuous] [Format=numeric] [Range= 0-70000] [Missing=*]
Statistics [NW/ W]	[Valid=83257 /-] [Invalid=12913 /-] [Mean=141.789 /-] [StdDev=859.835 /-]
Literal question	Production in local unit

#44 PRODQ: Production in Quintal

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=96170 /-]
Literal question	Production in Quintal

#45 PROD: Dry Weight Production (kg.)

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=96170 /-]
Literal question	Dry Weight Production (kg.)

#46 YIELD98: Yield of main season 1998 E.C.

Information	[Type= continuous] [Format=numeric] [Range= 10-34290] [Missing=*]
Statistics [NW/ W]	[Valid=79701 /-] [Invalid=16469 /-] [Mean=3072.124 /-] [StdDev=3478.496 /-]
Literal question	Yield of main season 1998 E.C.

#47 COND98: Cond98 Condition

Information	[Type= continuous] [Format=numeric] [Range= 0-150] [Missing=*]
Statistics [NW/ W]	[Valid=96170 /-] [Invalid=0 /-] [Mean=42.259 /-] [StdDev=37.053 /-]

#48 CONDDA: Condda

Information	[Type= continuous] [Format=numeric] [Range= 1-555] [Missing=*]
Statistics [NW/ W]	[Valid=41993 /-] [Invalid=54177 /-] [Mean=113.415 /-] [StdDev=46.573 /-]

#49 CONDFA: Condfa

Information	[Type= continuous] [Format=numeric] [Range= 1-500] [Missing=*]
Statistics [NW/ W]	[Valid=41773 /-] [Invalid=54397 /-] [Mean=106.168 /-] [StdDev=47.177 /-]

#50 PROD98CQ: Production Of Condition quintal

Information	[Type= continuous] [Format=numeric] [Range= 0-72.81534] [Missing=*]
Statistics [NW/ W]	[Valid=79701 /-] [Invalid=16469 /-] [Mean=0.567 /-] [StdDev=1.68 /-]
Literal question	Production Of Condition quintal

#51 PROD98CK: Production Of Condition in Kg

Information	[Type= continuous] [Format=numeric] [Range= 0-7281.534] [Missing=*]
Statistics [NW/ W]	[Valid=79701 /-] [Invalid=16469 /-] [Mean=56.747 /-] [StdDev=167.951 /-]
Literal question	Production Of Condition in Kg

File Field Information

#52 **PRODDAQ: Production of DA quintal**	
Information	[Type= continuous] [Format=numeric] [Range= 0.00017-77.57781] [Missing=*]
Statistics [NW/ W]	[Valid=35234 /-] [Invalid=60936 /-] [Mean=1.383 /-] [StdDev=2.93 /-]
Literal question	Production of DA quintal
#53 **PRODDAKG: Production of DA in kg**	
Information	[Type= continuous] [Format=numeric] [Range= 0.017-7757.781] [Missing=*]
Statistics [NW/ W]	[Valid=35234 /-] [Invalid=60936 /-] [Mean=138.348 /-] [StdDev=292.975 /-]
Literal question	Production of DA in kg
#54 **PRODFAQ: Production of FA quintal**	
Information	[Type= continuous] [Format=numeric] [Range= 0.0002-94.46938] [Missing=*]
Statistics [NW/ W]	[Valid=35073 /-] [Invalid=61097 /-] [Mean=1.348 /-] [StdDev=3.069 /-]
Literal question	Production of FA quintal
#55 **PRODFKG: Production of FA kg**	
Information	[Type= continuous] [Format=numeric] [Range= 0.02-9446.938] [Missing=*]
Statistics [NW/ W]	[Valid=35073 /-] [Invalid=61097 /-] [Mean=134.826 /-] [StdDev=306.887 /-]
Literal question	Production of FA kg

Documentation

Reports and analytical documents

Study Documentation, Central Statistical Agency, Ethiopia [eth], English [eng], "Doc\Reports \AgSS_Belg_2007_Metadata.pdf"

Agricultural Sample Survey, Belg Season 2007-2008 (2000 E.C) Volume V, Area and Production of Belg Season Crops, Central Statistical Agency, October 2008, Ethiopia [eth], English [eng], "Doc\Reports \Report_on_Belg.pdf"

Table of Contents

Technical documents

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