Ethiopia

Central Statistical Agency, Ministry of Finance and Economic Development

Large and Medium Scale Commercial
Farms Sample Survey 2010/11(2003 E.C)

Study Documentation

August 24, 2011

Metadata Production

Metadata Producer(s)	Central Statistical Agency (CSA) , Ministry of Finance and Economic Development , Production and documentation of the study
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Ethiopia (2010-2011)
Large and Medium Scale Commercial Farms Sample Survey 2010/11(2003 E.C) (AgSS 2010-2011)

Overview

Type	Agricultural Survey [ag/oth]
Identification	ETH-CSA-LMCF-2011-v1.0
Version	Production Date: 2011-08 Version 1.0: Edited and non anonymized dataset, for internal use only.
Series	This report is the fourth of its type, where the first one was published in the 2002/03 (1995 E.C.), presenting the results of the 2001/02 (1994 E.C.) and the second one was published in the 2008/2009(2001 E.C). During the years between 2002/03 (1995 E.C.) and 2008/2009(2001 E.C) Central Statistical Agency had conducted more than two surveys on Commercial farms but failed to produce the results due to various reasons mainly due to unwillingness of respondents to give accurate information. However, after making a through revisions and improvements on the previously adopted questionnaires, the third report on data collection methodology and related survey document in the year 2009/10 (2002 E.C.), CSA conducted Large and Medium Scale Commercial farms sample survey covering the whole country.
Kind of Data	Sample survey data [ssd]

Scope & Coverage

Scope
The Scope of Large and Medium commercial farm Include:
-Identification Particulars
-Crop land area and Quantity production of Major crops 2010/11 (2003 E.C)
-Information on Different Agricultural Practices 2010/11 (2003 E.C)

Geographic Coverage
The 2010/11 large & medium scale commercial farms cover all urban & rural parts of the country. Considering the cost and manageability of field work a sample of 2851 farms were planned and decided to be covered at national level. But the survey succeeded to cover 2289 farms. This sample is allocated to each region based on number of farms each region has

Universe
Commercial farms and State Farm

Producers & Sponsors

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

Sampling

Sampling Procedure
Two separate sample design is prepared for Commercial farms involved in crop production and livestock. Before the sample selection was done, the cut off point for the farms was decided. Separate cut off point for farms involved in crop production and those involved in livestock was set. Farms having total area/number of livestock

above the cut off point are selected with certainty where as farms having area/ number of livestock below the cut off point is sampled using probability proportional to size, size being the total area / number of livestock of the farms. For farms involved in livestock simple random sampling technique is used for selection.
The estimation procedure and measure of their precision are given in Appendix I

Data Collection

Data Collection Dates	start 2010 end 2011
Data Collection Mode	Face-to-face [f2f]
Data Collector(s)	Central Statistical Agency of Ethiopia (CSA) , Ministry of Finance and Economic Development

Data Processing & Appraisal

Data Editing
Editing, Coding and Verification

In the 2010/2011(2003E.C) Commercial farms sample survey, the filled-in forms retrieved from the Branch Statistical Offices were primarily received and systematically registered at the documentation unit of the CSA head quarters in Addis Ababa. Before launching the actual editing and coding activities, the Agriculture, Natural Resources, and Environment Statistics Directorate staff gave adequate training to 38 editors and coders who latter on carried out the manual editing, coding and verification of the filled-in Commercial farms questionnaires.

The manual editing and coding activities of the filled-in forms were done region by region. To ensure the quality of the manual editing and coding work, verification of the completed questionnaires was carried out on 100% basis.

For the total country, the editing, coding and verification of the filled-in forms for the commercial farms took 38 editors and about 14 working days.

Data Entry, Cleaning and Tabulation

About 38 data encoders were assigned to undertake the data entry activity of the 2010/11 filled-in and edited questionnaires of the large and medium scale farms. Before starting the actual data entry operation, data encoders were trained for about a half day using computer programs developed by the Data Processing Department staff. The Programmers prepared the data entry programs using CSPro.

The data entry exercise was carried out using 38 personal computers (PC's), and it was done region by region as in the case of the manual editing, coding and verification. In order to check the quality of the entered data, verification exercises were carried out. To this end verification activity, on 100% basis, was carried out through the process of re-entering the data. For the total country, the whole data entry process of the filled-in forms on commercial farms took 38 entry clerks around 14 working days.

Data entered into the computer needs to be checked for completeness, consistency and validity. For this purpose, computer edit programs were prepared. Using printouts from these programs and referring to the original filled-in forms, corrections were made by trained manual data cleaning technicians. Moreover, other data-cleaning computer operators were involved in making the actual corrections of the data on the computer. Additionally, an intermediate set of instructions or programs were made available and applied on the data to prepare information suitable for tabulation. These programs were prepared using CSPro and IMPS softwares. Like IMPS Software, CSPro is used as a tool for entering, editing and tabulating data.

Data made ready for tabulation through the process of cleaning and intermediate programs was finally used to generate the required tables. This was done using tabulation programs developed by the senior programmers of the Data Processing Department.

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:

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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.

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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). Large And Medium Scale Commercial Farms Sample Survey 2010-2011"

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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)

PART2A_AREA AND PRODUCTION	
# Cases	4561
# Variable(s)	19

PART3_FARM INPUTS OR PRACTICE	
# Cases	8321
# Variable(s)	17

Variables List

Dataset contains 36 variable(s)

File PART2A_AREA AND PRODUCTION

#	Name	Label	Type	Format	Valid	Invalid	Question
1	V01	Killil	discrete	numeric-2.0	4561	0	Killil
2	V02	Zone	discrete	numeric-2.0	4561	0	Zone
3	V03	Wereda	continuous	numeric-2.0	4561	0	Wereda
4	V05	FA	continuous	numeric-3.0	4561	0	Farmers Association
5	V04	Farmname	continuous	numeric-4.0	4561	0	Farm Name
6	V06	Farm type	discrete	numeric-1.0	4561	0	Farm Type
7	V07	Agriculture type	discrete	numeric-1.0	4557	4	Agriculture Type
8	V08	Cultivation Season	discrete	numeric-1.0	4561	0	Cultivation Season
9	B01	B01_LINENO	continuous	numeric-2.0	4561	0	Line Number
10	B03	B03_CROPCODE	discrete	numeric-3.0	4560	1	Crop code
11	B04	B04_AREA OF CULTIVATED LAND By Qst.	continuous	numeric-10.4	4561	0	Area of Cultivatted land in hectare
12	B05	B05_AREA OF CULTIVATED LAND By GPS	continuous	numeric-10.4	4561	0	Area of Cultivated land Measured by GPS in hectare
13	B06	B06_PRODUCTION IN QUINTAL	continuous	numeric-11.2	4561	0	What is the production in Quintal?
14	B07	B07_AMOUNT OF PRODUCTION PER HECTARE IN QUINTAL	continuous	numeric-7.2	4561	0	What is the production from 1 hectare in Quintal?
15	B08	B08_IS THERE CROP_DAMAGE?	discrete	numeric-1.0	4561	0	Is there any crop Damage?
16	B09A	B09A_CODE _FOR_ REASON_OF_CROP_DAM	discrete	numeric-2.0	3389	1172	What is the reason fro damage?
17	B09B	B09B_PERCENTAGE DAMAGE	continuous	numeric-3.0	3379	1182	What is the percentage of Damage?
18	BWEIGHT	Sampling Weight	continuous	numeric-6.2	4560	1	Sample Weight
19	BRATIO	Rate	continuous	numeric-9.7	4560	1	Rate

File PART3_FARM INPUTS OR PRACTICE

#	Name	Label	Type	Format	Valid	Invalid	Question
1	V01	Killil	discrete	numeric-2.0	8321	0	-
2	V02	Zone	discrete	numeric-2.0	8321	0	-
3	V03	Wereda	continuous	numeric-2.0	8321	0	-
4	V05	FA	continuous	numeric-3.0	8321	0	-
5	V04	Farmname	continuous	numeric-4.0	8321	0	-
6	V06	Farm type	discrete	numeric-1.0	8321	0	-
7	V07	Agriculture type	discrete	numeric-1.0	8318	3	-
8	V08	Cultivation Season	discrete	numeric-1.0	8321	0	-

File PART3_FARM INPUTS OR PRACTICE

#	Name	Label	Type	Format	Valid	Invalid	Question
9	C01	C01_LINE_NO	continuous	numeric-2.0	8314	7	-
10	C03	C03_CHEMICAL _CODE	discrete	numeric-2.0	8085	236	-
11	C05	C05_CROP_CODE	discrete	numeric-3.0	8145	176	-
12	C06	C06_AREA_OF_LAND	continuous	numeric-15.4	8310	11	-
13	C07	C07_UNIT_CHEMICAL USED	discrete	numeric-1.0	8056	265	-
14	C09	C09_PRODUCTION_PER_	continuous	numeric-9.2	8277	44	-
15	C08	C08_AMOUNT_OF_CHEMI	continuous	numeric-9.2	8256	65	-
16	CWEIGHT	Sampling Weight	continuous	numeric-7.2	8320	1	-
17	CRATIO	Rate	continuous	numeric-9.7	8320	1	-

Variables Description

Dataset contains36 variable(s)

File PART2A_AREA AND PRODUCTION

#1 V01: Killil

Information	[Type= discrete] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=4561 / 39512.47] [Invalid=0 / 0]
Literal question	Killil

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Tigray	886	6594.6	16.7%
2	Afar	115	176.4	0.4%
3	Amhara	1123	7191.2	18.2%
4	Oromia	1003	7932.2	20.1%
5	Somalia	173	173.0	0.4%
6	Benshangul_Gumz	415	6726.5	17.0%
7	S.N.N.P.R	734	10363.0	26.2%
12	Gambella	102	313.5	0.8%
13	Harari	2	2.0	0.0%
14	Addis_Ababa	6	6.0	0.0%
15	Dire_Dawa	2	34.0	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 V02: Zone

Information	[Type= discrete] [Format=numeric] [Range= 1-21] [Missing=*]
Statistics [NW/ W]	[Valid=4561 / 39512.47] [Invalid=0 / 0]
Literal question	Zone

#3 V03: Wereda

Information	[Type= continuous] [Format=numeric] [Range= 1-24] [Missing=*]
Statistics [NW/ W]	[Valid=4561 / 39512.47] [Invalid=0 / 0]
Literal question	Wereda

#4 V05: FA

Information	[Type= continuous] [Format=numeric] [Range= 1-729] [Missing=*]
Statistics [NW/ W]	[Valid=4561 / 39512.47] [Invalid=0 / 0]
Literal question	Farmers Association

#5 V04: Farmname

Information	[Type= continuous] [Format=numeric] [Range= 1-4040] [Missing=*]
Statistics [NW/ W]	[Valid=4561 / 39512.47] [Invalid=0 / 0] [Mean=276.927 / 244.39] [StdDev=267.719 / 205.799]
Literal question	Farm Name

#6 V06: Farm type

Information	[Type= discrete] [Format=numeric] [Range= 1-4] [Missing=*]
Statistics [NW/ W]	[Valid=4561 / 39512.47] [Invalid=0 / 0]
Literal question	Farm Type

File PART2A_AREA AND PRODUCTION

#6 V06: Farm type

Value	Label	Cases	Weighted	Percentage (Weighted)	
1	Government	166	916.5	2.3%	
2	Commercial	4025	36227.5		91.7%
3	Co-operative	304	2172.8	5.5%	
4	Other	66	195.6	0.5%	

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.

#7 V07: Agriculture type

Information	[Type= discrete] [Format=numeric] [Range= 1-4] [Missing=*]
Statistics [NW/ W]	[Valid=4557 / 39366.35] [Invalid=4 / 146.12]
Literal question	Agriculture Type

Value	Label	Cases	Weighted	Percentage (Weighted)	
1	crop	2800	26466.5		67.2%
2	livestock	0	0.0	0.0%	
3	flowers	1757	12899.9		32.8%
4	both crop and livestock	0	0.0	0.0%	
Sysmiss		4	146.1		

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.

#8 V08: Cultivation Season

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=4561 / 39512.47] [Invalid=0 / 0]
Literal question	Cultivation Season

Value	Label	Cases	Weighted	Percentage (Weighted)	
1	Meher	4550	39443.0		99.8%
2	Belg	11	69.4	0.2%	
3	cattle	0	0.0	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.

#9 B01: B01_LINENO

Information	[Type= continuous] [Format=numeric] [Range= 1-32] [Missing=*]
Statistics [NW/ W]	[Valid=4561 / 39512.47] [Invalid=0 / 0] [Mean=8.736 / 9.41] [StdDev=9.827 / 9.964]
Literal question	Line Number

#10 B03: B03_CROPCODE

Information	[Type= discrete] [Format=numeric] [Range= 1-123] [Missing=*]
Statistics [NW/ W]	[Valid=4560 / 39512.47] [Invalid=1 / 0]
Literal question	Crop code

Frequency table not shown (115 Modalities)

#11 B04: B04_AREA OF CULTIVATED LAND By Qst.

Information	[Type= continuous] [Format=numeric] [Range= 0-11720] [Missing=*]
Statistics [NW/ W]	[Valid=4561 / 39512.47] [Invalid=0 / 0] [Mean=77.511 / 16.584] [StdDev=307.667 / 107.314]
Literal question	Area of Cultivatted land in hectare

File PART2A_AREA AND PRODUCTION

#12 B05: B05_AREA OF CULTIVATED LAND By GPS

Information	[Type= continuous] [Format=numeric] [Range= 0-11851] [Missing=*]
Statistics [NW/ W]	[Valid=4561 / 39512.47] [Invalid=0 / 0] [Mean=80.255 / 16.188] [StdDev=354.203 / 122.824]
Literal question	Area of Cultivated land Measured by GPS in hectare

#13 B06: B06_PRODUCTION IN QUINTAL

Information	[Type= continuous] [Format=numeric] [Range= 0-16337680] [Missing=*]
Statistics [NW/ W]	[Valid=4561 / 39512.47] [Invalid=0 / 0] [Mean=8153.079 / 1174.73] [StdDev=266719.472 / 90660.825]
Literal question	What is the production in Quintal?

#14 B07: B07_AMOUNT OF PRODUCTION PER HECTARE IN QUINTAL

Information	[Type= continuous] [Format=numeric] [Range= 0-3000] [Missing=*]
Statistics [NW/ W]	[Valid=4561 / 39512.47] [Invalid=0 / 0] [Mean=26.044 / 32.435] [StdDev=114.971 / 115.433]
Literal question	What is the production from 1 hectare in Quintal?

#15 B08: B08_IS THERE CROP_DAMAGE?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4561 / 39512.47] [Invalid=0 / 0]
Literal question	Is there any crop Damage?

Value	Label	Cases	Weighted	Percentage (Weighted)	
1	Yes	3393	28327.8		71.7%
2	No	1168	11184.6	28.3%	

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.

#16 B09A: B09A_CODE _FOR_ REASON_OF_CROP_DAMAGE

Information	[Type= discrete] [Format=numeric] [Range= 1-20] [Missing=*/99]
Statistics [NW/ W]	[Valid=3389 / 28323.83] [Invalid=1172 / 11188.64]
Literal question	What is the reason fro damage?

Value	Label	Cases	Weighted	Percentage (Weighted)	
1	crop diseases	330	3634.6		12.8%
2	frost	42	458.7	1.6%	
3	flood	75	608.6	2.1%	
4	pests	17	70.2	0.2%	
5	insects	282	1768.0	6.2%	
6	lack of rain	331	3145.0		11.1%
7	excessive rain	1450	10697.3		37.8%
8	wild animals	80	1119.3	4.0%	
9	birds	27	279.9	1.0%	
10	snow	82	318.0	1.1%	
11	weed	228	1543.0	5.4%	
12	lack of seed	4	33.8	0.1%	
13	dcrement in the fertility of land	69	605.9	2.1%	
14	peace and security problem	5	19.4	0.1%	
15	Others	367	4022.1		14.2%
20	Not Ripe	0	0.0	0.0%	
Sysmiss		1172	11188.6		

File PART2A_AREA AND PRODUCTION

#16 B09A: B09A_CODE _FOR_ REASON_OF_CROP_DAMAGE

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 B09B: B09B_PERCENTAGE DAMAGE

Information	[Type= continuous] [Format=numeric] [Range= 1-100] [Missing=*]
Statistics [NW/ W]	[Valid=3379 / 28212.82] [Invalid=1182 / 11299.65] [Mean=50.493 / 52.714] [StdDev=23.853 / 24.633]
Literal question	What is the percentage of Damage?

#18 BWEIGHT: Sampling Weight

Information	[Type= continuous] [Format=numeric] [Range= 1-134.71] [Missing=*]
Statistics [NW/ W]	[Valid=4560 /-] [Invalid=1 /-]
Literal question	Sample Weight

#19 BRATIO: Rate

Information	[Type= continuous] [Format=numeric] [Range= 0.0074232-1] [Missing=*]
Statistics [NW/ W]	[Valid=4560 /-] [Invalid=1 /-]
Literal question	Rate

File PART3_FARM INPUTS OR PRACTICE

#1 V01: Killil

Information	[Type= discrete] [Format=numeric] [Range= 1-15] [Missing=*]
Statistics [NW/ W]	[Valid=8321 / 66493.65] [Invalid=0 / 0]

Value	Label	Cases	Weighted	Percentage (Weighted)	
1	Tigray	1162	8190.2		12.3%
2	Afar	419	523.5		0.8%
3	Amhara	1745	10632.8		16.0%
4	Oromia	3051	24868.1		37.4%
5	Somalia	92	92.0		0.1%
6	Benshangul_Gumz	510	7577.7		11.4%
7	S.N.N.P.R	1217	14263.5		21.5%
12	Gambella	104	292.9		0.4%
13	Harari	2	2.0		0.0%
14	Addis_Ababa	17	17.0		0.0%
15	Dire_Dawa	2	34.0		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 V02: Zone

Information	[Type= discrete] [Format=numeric] [Range= 1-21] [Missing=*]
Statistics [NW/ W]	[Valid=8321 /-] [Invalid=0 /-]

#3 V03: Wereda

Information	[Type= continuous] [Format=numeric] [Range= 1-24] [Missing=*]
Statistics [NW/ W]	[Valid=8321 /-] [Invalid=0 /-]

#4 V05: FA

Information	[Type= continuous] [Format=numeric] [Range= 1-729] [Missing=*]
Statistics [NW/ W]	[Valid=8321 /-] [Invalid=0 /-]

File PART3_FARM INPUTS OR PRACTICE

#5 V04: Farmname

Information	[Type= continuous] [Format=numeric] [Range= 1-4040] [Missing=*]
Statistics [NW/ W]	[Valid=8321 /-] [Invalid=0 /-]

#6 V06: Farm type

Information	[Type= discrete] [Format=numeric] [Range= 1-4] [Missing=*]
Statistics [NW/ W]	[Valid=8321 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Government		
2	Commercial		
3	Co-operative		
4	Other		

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

#7 V07: Agriculture type

Information	[Type= discrete] [Format=numeric] [Range= 1-4] [Missing=*]
Statistics [NW/ W]	[Valid=8318 / 66384.06] [Invalid=3 / 109.59]

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Crop	5461	45882.7	69.1%
2	Livestock	0	0.0	0.0%
3	Flowers	2857	20501.4	30.9%
4	Both crop and livestock	0	0.0	0.0%
Sysmiss		3	109.6	

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.

#8 V08: Cultivation Season

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=8321 / 66493.65] [Invalid=0 / 0]

Value	Label	Cases	Weighted	Percentage (Weighted)
1	Meher	8301	66328.6	99.8%
2	Belg	20	165.1	0.2%
3	Cattle	0	0.0	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.

#9 C01: C01_LINE_NO

Information	[Type= continuous] [Format=numeric] [Range= 0-99] [Missing=*]
Statistics [NW/ W]	[Valid=8314 / 66448.98] [Invalid=7 / 44.67] [Mean=6.895 / 6.701] [StdDev=11.054 / 9.851]

#10 C03: C03_CHEMICAL _CODE

Information	[Type= discrete] [Format=numeric] [Range= 1-99] [Missing=*]
Statistics [NW/ W]	[Valid=8085 / 64829.9] [Invalid=236 / 1663.75]

Value	Label	Cases	Weighted	Percentage (Weighted)
1	urea	881	7227.1	11.1%
2	dap	970	8643.9	13.3%
3	pesticides	936	7586.3	11.7%
4	fungicides	499	4672.6	7.2%
5	herbicides	831	3887.3	6.0%

File PART3_FARM INPUTS OR PRACTICE

#10 C03: C03_CHEMICAL _CODE

Value	Label	Cases	Weighted	Percentage (Weighted)
6	improved seed	804	7421.9	11.4%
7	indigenous seed	2954	23608.8	36.4%
8	other inputs	210	1781.9	2.7%
99		0	0.0	0.0%
Sysmiss		236	1663.8	

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.

#11 C05: C05_CROP_CODE

Information	[Type= discrete] [Format=numeric] [Range= 1-123] [Missing=*]
Statistics [NW/ W]	[Valid=8145 / 65509.58] [Invalid=176 / 984.07]

Frequency table not shown (114 Modalities)

#12 C06: C06_AREA_OF_LAND

Information	[Type= continuous] [Format=numeric] [Range= 0-5444.98] [Missing=*]
Statistics [NW/ W]	[Valid=8310 / 66128.53] [Invalid=11 / 365.12] [Mean=101.501 / 19.379] [StdDev=330.073 / 121.425]

#13 C07: C07_UNIT_CHEMICAL USED

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=8056 / 64592.77] [Invalid=265 / 1900.88]

Value	Label	Cases	Weighted	Percentage (Weighted)
1	KIllogram	2383	29065.5	45.0%
2	LItre	1852	11932.8	18.5%
3	Quintal	3821	23594.5	36.5%
9	na	0	0.0	0.0%
Sysmiss		265	1900.9	

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.

#14 C09: C09_PRODUCTION_PER_HACTARE

Information	[Type= continuous] [Format=numeric] [Range= 0-60000] [Missing=*]
Statistics [NW/ W]	[Valid=8277 / 66147.95] [Invalid=44 / 345.7] [Mean=52.525 / 67.421] [StdDev=671.533 / 271.279]

#15 C08: C08_AMOUNT_OF_CHEMICAL_USED

Information	[Type= continuous] [Format=numeric] [Range= 0-250000] [Missing=*]
Statistics [NW/ W]	[Valid=8256 / 65404.71] [Invalid=65 / 1088.94] [Mean=365.628 / 228.888] [StdDev=3702.216 / 5576.617]

#16 CWEIGHT: Sampling Weight

Information	[Type= continuous] [Format=numeric] [Range= 1-134.71] [Missing=*]
Statistics [NW/ W]	[Valid=8320 /-] [Invalid=1 /-] [Mean=7.992 /-] [StdDev=14.598 /-]

#17 CRATIO: Rate

Information	[Type= continuous] [Format=numeric] [Range= 0.0074232-1] [Missing=*]
Statistics [NW/ W]	[Valid=8320 /-] [Invalid=1 /-] [Mean=0.704 /-] [StdDev=0.433 /-]

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