

# Sri Lanka - Crop Estimating Survey on Paddy (Maha) - 2007

**Department of Census and Statistics**

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## Identification

### SURVEY ID NUMBER

LKA-DCS-CESP[M]-2007-v1.0

### TITLE

Crop Estimating Survey on Paddy (Maha) - 2007

### COUNTRY

Name	Country code
Sri Lanka	LKA

### STUDY TYPE

Agricultural Survey [ag/oth]

### SERIES INFORMATION

This survey was started in the year 1950. It is conducted covering Yala and Maha seasons with a view to estimate the average yield of paddy and production by District. In a Maha season about 6000 and in a Yala season about 4000 experiments are being conducted for this survey and it is the only source to estimate the country's paddy production. The findings are essential to calculate various important figures such as volume of additional rice requirement of the country to be imported

This survey is carried out in each season of a cultivation year to collect the paddy extent under categories namely;

Asweddumized Extent

Sown Extent

Harvested Extent

Paddy extent is estimated on the basis of complete enumeration of paddy parcels in the county covering both Maha and Yala seasons.

All these variables are being collected through a form known as P1. The extent categories are again classified by type of irrigation namely;

Major Irrigation Schemes

Minor Irrigation Schemes

Rain-fed

### ABSTRACT

Crop estimating survey on paddy which is popularly known as "Crop Cutting Survey" commenced in the year 1950. It is conducted covering Maha and Yala season with a view to estimate the average yield of paddy and production by District. In a Maha season about 6,000 and in a Yala season about 4,000 experiments are being conducted for this survey and it is the only source to estimate the country's paddy production. Policy Planners are benefited by these data in numerous ways for taking the decisions such as volume of additional rice requirement of the country to be imported in time, evaluation of extension programs undertaken to uplift the average yields of paddy, pricing policies of rice, mobilization of stocks from one place to another and many more. Therefore, it is a great responsibility to estimate paddy production accurately and timely to fulfill the national requirement.

Field staff attached to each District has been entrusted with many responsibilities on various data collection activities and among them, method of data collection for crop cutting is different from the other surveys. This survey is associated with an objective approach; as such crop cutting officers should carry out experiments in the field by themselves. According to the standard procedure, the crop cutting officer must visit the selected paddy field and they should follow a number of steps such as; demarcate the specified plot of land equivalent to 16' ½" X 16' 1/2" (a paddy land of one perch of an acre), harvest the crop of the plot, thresh the grain, measure the grain using standard set of seers and finally report the results through the prescribed form CC3.

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Concepts, Definitions and Classifications associated with Crop Estimation of Paddy Survey

Seasons - In Sri Lanka there are two major cultivation seasons associated with two monsoons and they are known as Maha season and Yala Season.

Maha Season is the main season associated with North-east monsoons effective during September - April in the following year. When a particular crop is planted and harvested during this period is known to be Maha Crop.

Yala season is the secondary season which is associated with South-west monsoons effective during the period between May to September. When a particular crop is planted and harvested during this period is known to be Yala Crop.

#### Mode of Irrigation

There are three type of irrigations related with paddy cultivation. They are (1). Major Irrigation schemes (2). Minor Irrigation schemes (3). Rain-fed schemes.

Major Irrigation schemes defined to be an irrigated scheme of which water is fed to more than 200 acres otherwise it defines as a Minor Irrigation scheme.

Rain-fed is defined, if the cultivated extent is purely depending on rain water in absence of permanent water tank or reservoir.

Volume of Production is reported in Metric Tons.

Average Yield per acre or Hectare: An Indicator of productivity per area unit (2.471 acres = 1 hectare while 1 hectare is equal to 1,000 square meters) estimated through crop cutting survey. Average yield per acre is reported in Bushels while per hectare is reported in Kgs.

Average yield is expressed in terms of Paddy (grain with the husk form but not in Rice form)

Area Harvested refers to the gross area of which the harvest is gathered excluding the area damaged due to different causes.

Gross Area refers to the extent of which reported by enumerators or respondents based on cultivated extent estimated by seed rates but not based on cadastral surveys while Net Area refers to the extent evolved by deducting the extent set a part for bunds and ridges.

Production for a year should consider to be the sum of the production of Maha season and Yala season. For instance the production of the year 2005 is to be the sum of 2004/05 Maha season and Yala season of 2005.

#### KIND OF DATA

Sample survey data [ssd]

#### UNIT OF ANALYSIS

Paddy land Parcel 16 1/2" X 16 1/2", Where smaller experimental plot sizes are used in terraced fields.

## Version

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#### VERSION DESCRIPTION

V1.0: Full edited dataset, original version for internal DPD Use

#### VERSION DATE

2008-12-03

## Scope

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#### NOTES

Geographical information  
Paddy parcel information  
System of tenure  
Method of preparation of land  
Variety of seed  
Method of sowing

Application of Fertilizer  
Weeding  
Insects/Fungus control  
Adverse affects on crop  
Yield

## TOPICS

Topic	Vocabulary	URI
agricultural, forestry and rural industry [2.1]	CESSDA	<a href="#">Link</a>

## Coverage

## GEOGRAPHIC COVERAGE

National Coverage

## UNIVERSE

The survey covered a random sample from all the paddy lands in Sri Lanka

## Producers and sponsors

## PRIMARY INVESTIGATORS

Name	Affiliation
Department of Census and Statistics	Ministry of Finance and Planning

## FUNDING AGENCY/SPONSOR

Name	Abbreviation
Government of Sri Lanka	GOSL

## Sampling

## SAMPLING PROCEDURE

Sampling Design: The sampling design adopted in the survey is a stratified multistage sampling method where DS Divisions were treated as strata and mode of irrigation schemes namely; Major, Minor, and Rain-fed as sub strata. Number of villages to be selected for crop cutting experiments in each scheme is decided on the basis of the following proportions.

Acreage sown in the previous corresponding season Number of villages to be selected

< 500 Acres 3

500 - <1000 Acres 5

1000 - < 5000 Acres 10

5000 - < 10,000 Acres 15

10,000 - < 15,000 Acres 20

15,000 - < 20,000 Acres 25

20,000 Acres and above 30

Though the recommended design is such, considering the sampling variances occurred during the previous seasons, the number of experimental villages to be selected is being curtailed in order to keep the number of villages within a range of 3,000 for a Maha season and 2,000 for a Yala season in a year. Other reasons for such restrictions were related to practical aspects like cost of the survey and number of personnel that could be deployed to carry out crop cuttings.

In each selected village two crop cutting experiments are conducted. At present the sample villages and the parcels are selected at random. However, prior to 1980, selection of villages as well as parcels was done at random with probability proportional to the area cultivated during the previous corresponding season with replacement. As the procedure was somewhat laborious and time consuming, it was replaced with the present system i.e. both stages at random. Sample

villages are selected in the head office while the selections of parcels are done at the respective Districts.

Controlling of Non-sampling Errors: In view of the accuracy of the experimental results, a sample of 1/5 of selected villages are to be supervised by executive officers/District Heads identified from the District such as DS/GA, Divisional Secretary, Director/Deputy Director of Agriculture, Deputy Commissioners of Agrarian Development in addition to the Senior Staff of DCS attached to the District. Spot checks are to be performed by them by visiting the sample villages.

## Data Collection

### DATES OF DATA COLLECTION

Start	End	Cycle
2006-10-01	2007-04-30	Maha

### DATA COLLECTION MODE

Face-to-face [f2f]

### SUPERVISION

"Agricultural Research and Production Assistants (ARPO) earlier known as "Govi Sevana Niyamakas" of Agrarian Development Department attached to Agrarian Service Centers do play the role of "Primary Reporters" to report the extent in P1 form which is parcel-wise enumeration of all paddy growing parcels.

They list out the area Asweddumized, Sown and Harvested in Maha and Yala seasons at village/Yaya, Tract/Kandam in the prescribed form. Here the "paddy parcel" is defined to be piece/plot of land cultivated by one individual farmer or group of farmers jointly surrounded by another paddy parcel cultivated by another individual farmer or group of farmers or any land cultivated with crops other than paddy or uncultivated land such as road, stream etc.

The paddy extent thus enumerated is summarized by Village/Yaya/Tract/Kandam and transferred to the form known as P2 which gives the aggregate extent under paddy by above categories and by irrigation modes at GN division level and by DS level. This form is prepared by the Range Statistical Officer attached to a particular DS. During the Yala season the sown and harvested extents are recorded while asweddumized extent is updated, only if there occurs a change.

However, it is to be noted that the Districts where ARPOs are not appointed, Grama Niladaris (GNN) are still acting as primary reporters for the collection of paddy statistics as well as other agricultural statistics. This is specifically true for Northern and Eastern Provinces.

The aggregate extent prepared for DS level leads to the compilation of paddy extent at various higher levels such as District and All Island Level. It is important to note that the extent reported/listed in the P1 form is the "Gross Extent" since the extent of most of the paddy parcels are not based on any cadastral survey or measures, but reported extent are based on seed rates or traditional measurement or guesstimates as per the knowledge of respective farmers. This gross extent is ultimately converted to net-extent by applying correction factors which were determined at District level through a land measurement survey carried out by means of a sample of paddy parcels with the assistance of the Survey General Department in 1970s.

The list prepared by the primary reporters in the P1 form acts as the basis for the selection of sample of paddy parcels while the list of paddy growing villages compiled in the P2 form acts the basis to select villages for the National Crop Cutting Survey on Paddy conducted by the Agriculture and Environment Statistics Division of DCS.

### DATA COLLECTION NOTES

Crop Cutting Officers: Once the list of villages are transmitted to the Statistics Branch of the respective District, the Head of the Division Deputy Director/Senior Statistician/Statistician has to identify the crop cutting officers who are to be suitable for conducting these experiments in the selected villages. Guideline is to choose them preferably out of the field officers attached to the respective DS Divisions who are related to the discipline of agriculture such as Agricultural Officers/Agricultural Instructors of the Ministry of Agriculture, Divisional Officers of Department of Agrarian Development, Colonization Officers, etc. in addition to the Range Statistical Officers of DCS. Range Statistical Officers should undertake at least three experiments in his range. The direction is to discuss this matter in the District Agriculture Committee Meeting (DAC) held once in a month chaired by District Secretary/Government Agent and then assign the villages in concurrence with the DS/GA

The Statistical officer (SO) or the Agriculture Instructor (AI) in the area visits the selected paddy land along with the farmer

and cuts the crop in the demarcated area. The crop is measured in Seers then and there and the yield is recorded. Then in the same way yield for the other parcel is recorded. The crop collected for measuring is returned to the farmer. In addition to the yield recorded in this manner, other relevant information requested in the form C.C.3 has to be collected .

Ancillary Information: When crop cuttings are done in the field, in addition to sample fields selected for crop cuttings, an extra set of sample (four parcels) fields are selected to collect ancillary information related to the paddy crop viz. usage inputs, system of tenure, variety of seed, etc. Along with the final estimates on production and average yield the estimated extent related to the above characteristics are being disseminated.

## DATA COLLECTORS

# Questionnaires

## QUESTIONNAIRES

The questionnaire is Form C.C.3 printed in Sinhala/English and Tamil/English languages. It has three parts.

Part I is about the geographical and Paddy land parcel information.

Part II includes System of tenure, Method of preparation of land, Variety of seed, Method of sowing, Application of Fertilizer, Weeding, Insecticides, Fungicides, Adverse affects on crop.

Part III Collects yield information.

In the questionnaire the above information is recorded for two parcels selected for the survey. The same Form C.C.3 is used to collect data for both Yala and Maha seasons. Maha Season falls during "North-east monsoon" from September to April in the following year. Yala season is effective during the period from May to end of August.

# Data Appraisal

## ESTIMATES OF SAMPLING ERROR

Formulae needed to calculate Avg. Yield & Variance for a given Stratum is available in the External Resource Section.

# Access policy

## CONTACTS

Name	Affiliation	Email	URL
Director General	Department of Census and Statistics	dgcensus@slt.gov.lk	<a href="#">Link</a>
Director	Department of Census and Statistics	agriculture@sltnet.lk	<a href="#">Link</a>
Information Unit	Department of Census and Statistics	information@statistics.gov.lk	<a href="#">Link</a>

## CONFIDENTIALITY

Under the Statistical ordinance, micro data cannot be released with identifications for public use. Procedures are in place to ensure that information relating to any particular individual person, household or undertaking will be kept strictly confidential and will not be divulged to external parties. Information on individual or individual Household/establishment will not be divulged or published in such a form that will facilitate the identification of any particular person or establishment as the data have been collected under the Census/Statistical ordinance, according to which the information at individual level cannot be divulged and such information is strictly confidential.

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6. An electronic copy of all reports and publications based on the requested data will be sent to the Department

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- Requests for micro data should be made through the agreement form designed by DCS for this purpose (Form D.R.1). The agreement form should be filled in triplicate and the Study/project proposal should accompany the filled agreement form. If requests are made for the micro data of more than one survey, a separate agreement should be signed.
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- The draft report of the Study/Analysis should be submitted to the DCS and the concurrence of the DG of the DCS, should be obtained before publishing it. Once published, a copy of the final report should be submitted to the DCS.

[Department : The Department of Census and Statistics (DCS)]

Source : [http://www.statistics.gov.lk/databases/data\\_dissemination/DataDissaPolicy\\_2007Oct26.pdf](http://www.statistics.gov.lk/databases/data_dissemination/DataDissaPolicy_2007Oct26.pdf)

#### CITATION REQUIREMENTS

Department of Census and Statistics, Crop Estimation Survey on Paddy [Maha] 2007, Version 1.0 of the internal use dataset December 2008, provided by the National Data Archive, Data Processing Division, [www.statistics.gov.lk](http://www.statistics.gov.lk)

#### ACCESS AUTHORITY

Name	Affiliation	Email	URL
Director General	Department of Census and Statistics	directorgeneral@slt.gov.lk	<a href="#">Link</a>

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## Metadata production

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DDI DOCUMENT ID

DDI-LKA-DCS-CESP[M]-2007-v1.0

PRODUCERS

Name	Abbreviation	Affiliation	Role
Department of Census and Statistics	DCS	Ministry Of Finance and Planning	Conducting the survey

DATE OF METADATA PRODUCTION

2008-12-03

DDI DOCUMENT VERSION

Version 1.0 (2008)



**Data Dictionary**

<b>Data file</b>	<b>Cases</b>	<b>Variables</b>
<b>2006_2007maha</b>	9851	28



**Data file: 2006\_2007maha**

Cases: 9851

Variables: 28

**Variables**

ID	Name	Label	Question
V57	SEASON	SEASON	
V29	YEAR	YEAR	
V30	DISTRICT	DISTRICT	
V31	AGADIV	AGA DIV	
V32	IRRIGATIONTYPE	IRRIGATION TYPE	
V33	VILLAGE	VILLAGE	
V34	LD	PARCEL NO	
V35	SOWNA	EXT SOWN-ACRS	
V36	SOWNR	EXT SOWN-ROOD	
V37	SOWNP	EXT SOWN-PRCH	
V38	LID	NUM LIYADDA IN PARCEL	
V39	LIYADDALNG	LIYADDA LENGTH	
V40	LIYADDABRT	LIYADDA BREDTH	
V41	TENURE	SYSTEM OF TENURE	
V42	PREPARATION	PREPARATION OF LAND	
V43	VARIETY	VARIETY OF SEED	
V44	SOWING	SOWING METHOD	
V45	FERTILIZER	FERTILIZER APPLICATION	
V46	CHEMICAL	CHEMICAL FERTILIZER IF APPLIED (KG)	
V47	ORGANIC	ORGANIC FERTILIZER IF APPLIED (KG)	
V48	WEEDING	WEEDING	
V49	INSECTICIDES	INSECTICIDES	
V50	FUNGICIDES	FUNGICIDES	
V51	DAMAGE	ADVERSE AFFECTS ON CROP	
V56	YIELD	YIELD	
V53	RECN	RECORD NO	
V54	SN	SERIAL NO	
V55	Q1	Q1	

Total: 28



**YEAR: YEAR****Data file: 2006\_2007maha****Overview**

Valid: 9851    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 2    Range: 7 - 7    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
7		9851	100%

**DISTRICT: DISTRICT****Data file: 2006\_2007maha****Overview**

Valid: 9851    Invalid: 0    Minimum: 1    Maximum: 27    Mean: 12.741    Standard deviation: 7.709  
 Type: Continuous    Decimal: 0    Width: 2    Range: 1 - 27    Format: Numeric

**AGADIV: AGA DIV****Data file: 2006\_2007maha****Overview**

Valid: 9851    Invalid: 0    Minimum: 1    Maximum: 42    Mean: 8.088    Standard deviation: 5.993  
 Type: Continuous    Decimal: 0    Width: 2    Range: 1 - 42    Format: Numeric

**IRRIGATIONTYPE: IRRIGATION TYPE****Data file: 2006\_2007maha****Overview**

Valid: 9851    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1		3609	36.6%
2		3113	31.6%
3		3129	31.8%

**VILLAGE: VILLAGE****Data file: 2006\_2007maha****Overview**

Valid: 9851    Invalid: 0    Minimum: 0    Maximum: 53    Mean: 4.311    Standard deviation: 4.058  
 Type: Continuous    Decimal: 0    Width: 2    Range: 0 - 53    Format: Numeric

**LD: PARCEL NO****Data file: 2006\_2007maha****Overview**

Valid: 9851    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 1    Range: 0 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		9	0.1%
1		5031	51.1%
2		4811	48.8%

**SOWNA: EXT SOWN-ACRS****Data file: 2006\_2007maha****Overview**

Valid: 9851    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 2    Range: 0 - 15    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		4545	46.1%
1		2726	27.7%
2		1712	17.4%
3		545	5.5%
4		152	1.5%
5		106	1.1%
6		18	0.2%

7		13	0.1%
8		13	0.1%
9		2	0%
10		8	0.1%
12		4	0%
13		4	0%
15		3	0%

## SOWNR: EXT SOWN-ROOD

Data file: 2006\_2007maha

### Overview

Valid: 9851 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 6 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		4041	41%
1		1566	15.9%
2		3385	34.4%
3		855	8.7%
4		2	0%
5		1	0%
6		1	0%

## SOWNP: EXT SOWN-PRCH

Data file: 2006\_2007maha

### Overview

Valid: 9851 Invalid: 0 Minimum: 0 Maximum: 98 Mean: 2.991 Standard deviation: 7.807

Type: Discrete Decimal: 0 Width: 2 Range: 0 - 98 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		8343	84.7%
1		16	0.2%

2		22	0.2%
3		7	0.1%
4		7	0.1%
5		18	0.2%
6		8	0.1%
7		9	0.1%
8		52	0.5%
9		4	0%
10		178	1.8%
11		2	0%
12		17	0.2%
13		34	0.3%
14		13	0.1%
15		31	0.3%
16		81	0.8%
17		4	0%
18		8	0.1%
19		2	0%
20		557	5.7%
21		2	0%
22		5	0.1%
23		5	0.1%
24		95	1%
25		14	0.1%
26		32	0.3%
27		20	0.2%
28		10	0.1%
30		139	1.4%
31		5	0.1%
32		42	0.4%
33		8	0.1%
34		4	0%
35		17	0.2%
36		13	0.1%
37		2	0%
38		4	0%
39		4	0%
40		10	0.1%
48		1	0%



55		2	0%
60		2	0%
80		1	0%
98		1	0%

**SEASON: SEASON**

Data file: 2006\_2007maha

**Overview**

Valid: 9851 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	m	9604	97.5%
2	M	247	2.5%

**LID: NUM LIYADDA IN PARCEL**

Data file: 2006\_2007maha

**Overview**

Valid: 9851 Invalid: 0

Type: Discrete Decimal: 0 Width: 3 Range: 0 - 8 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		9849	100%
5		1	0%
8		1	0%

**LIYADDALNG: LIYADDA LENGTH**

Data file: 2006\_2007maha

**Overview**

Valid: 9851 Invalid: 0

Type: Discrete Decimal: 0 Width: 3 Range: 0 - 0 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		9851	100%

## LIYADDABRT: LIYADDA BREDTH

Data file: 2006\_2007maha

### Overview

Valid: 9851 Invalid: 0

Type: Discrete Decimal: 0 Width: 3 Range: 0 - 0 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		9851	100%

## TENURE: SYSTEM OF TENURE

Data file: 2006\_2007maha

### Overview

Valid: 9851 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		36	0.4%
1		7135	72.4%
2		859	8.7%
3		1668	16.9%
4		153	1.6%

## PREPARATION: PREPARATION OF LAND

Data file: 2006\_2007maha

**Overview**

Valid: 9851 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 7 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		46	0.5%
1		7284	73.9%
2		1228	12.5%
3		337	3.4%
4		811	8.2%
5		86	0.9%
6		39	0.4%
7		20	0.2%

**VARIETY: VARIETY OF SEED**

Data file: 2006\_2007maha

**Overview**

Valid: 9851 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 3 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		6	0.1%
1		9699	98.5%
2		132	1.3%
3		14	0.1%

**SOWING: SOWING METHOD**

Data file: 2006\_2007maha

**Overview**

Valid: 9851 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		51	0.5%
1		8716	88.5%
2		142	1.4%
3		921	9.3%
4		21	0.2%

## FERTILIZER: FERTILIZER APPLICATION

Data file: 2006\_2007maha

### Overview

Valid: 9851 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		25	0.3%
1		7592	77.1%
2		112	1.1%
3		1877	19.1%
4		245	2.5%

## CHEMICAL: CHEMICAL FERTILIZER IF APPLIED (KG)

Data file: 2006\_2007maha

### Overview

Valid: 9851 Invalid: 0 Minimum: 0 Maximum: 9900 Mean: 334.681 Standard deviation: 427.482

Type: Discrete Decimal: 0 Width: 4 Range: 0 - 9900 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0		386	3.9%
3		1	0%

4		2	0%
5		2	0%
6		1	0%
8		2	0%
10		16	0.2%
12		4	0%
14		5	0.1%
15		2	0%
16		11	0.1%
18		7	0.1%
20		72	0.7%
22		5	0.1%
24		34	0.3%
26		5	0.1%
28		10	0.1%
30		58	0.6%
31		1	0%
32		21	0.2%
34		7	0.1%
36		24	0.2%
38		10	0.1%
40		153	1.6%
41		1	0%
42		10	0.1%
43		2	0%
44		17	0.2%
46		9	0.1%
48		24	0.2%
50		156	1.6%
52		20	0.2%
54		13	0.1%
55		1	0%
56		34	0.3%
58		7	0.1%
60		145	1.5%
62		11	0.1%
63		1	0%
64		27	0.3%
65		2	0%

66		7	0.1%
68		19	0.2%
70		149	1.5%
72		24	0.2%
74		15	0.2%
75		8	0.1%
76		26	0.3%
78		6	0.1%
80		195	2%
82		12	0.1%
83		1	0%
84		43	0.4%
85		2	0%
86		12	0.1%
88		9	0.1%
90		106	1.1%
92		34	0.3%
93		1	0%
94		13	0.1%
95		3	0%
96		31	0.3%
97		2	0%
98		5	0.1%
100		404	4.1%
102		8	0.1%
104		35	0.4%
105		5	0.1%
106		8	0.1%
108		21	0.2%
110		120	1.2%
112		12	0.1%
114		10	0.1%
116		9	0.1%
118		3	0%
120		255	2.6%
122		11	0.1%
124		22	0.2%
125		8	0.1%
126		13	0.1%

128		11	0.1%
129		1	0%
130		126	1.3%
132		3	0%
134		17	0.2%
135		4	0%
136		12	0.1%
138		10	0.1%
140		186	1.9%
142		3	0%
144		22	0.2%
146		1	0%
148		5	0.1%
150		360	3.7%
152		18	0.2%
154		2	0%
155		1	0%
156		20	0.2%
158		3	0%
160		192	1.9%
162		3	0%
164		17	0.2%
165		2	0%
166		7	0.1%
167		1	0%
168		10	0.1%
170		107	1.1%
172		4	0%
174		8	0.1%
175		7	0.1%
176		5	0.1%
178		1	0%
180		167	1.7%
182		3	0%
184		30	0.3%
185		14	0.1%
186		4	0%
187		1	0%
188		8	0.1%

190		75	0.8%
192		4	0%
194		8	0.1%
195		7	0.1%
196		6	0.1%
198		6	0.1%
199		1	0%
200		392	4%
204		2	0%
205		1	0%
206		9	0.1%
208		5	0.1%
209		1	0%
210		91	0.9%
212		2	0%
214		7	0.1%
216		6	0.1%
220		104	1.1%
222		2	0%
224		16	0.2%
225		4	0%
226		3	0%
228		7	0.1%
230		24	0.2%
232		1	0%
234		7	0.1%
236		2	0%
240		241	2.4%
242		1	0%
244		2	0%
248		3	0%
250		262	2.7%
251		1	0%
254		1	0%
256		2	0%
258		2	0%
260		87	0.9%
268		3	0%
270		66	0.7%



272		1	0%
274		6	0.1%
275		1	0%
276		9	0.1%
277		2	0%
278		4	0%
280		97	1%
284		8	0.1%
288		2	0%
290		35	0.4%
294		1	0%
296		1	0%
298		1	0%
300		431	4.4%
304		4	0%
308		1	0%
310		11	0.1%
312		1	0%
314		2	0%
315		1	0%
320		54	0.5%
325		1	0%
326		3	0%
328		1	0%
330		50	0.5%
332		1	0%
336		2	0%
340		42	0.4%
342		2	0%
345		1	0%
350		85	0.9%
354		1	0%
355		1	0%
356		2	0%
360		120	1.2%
364		2	0%
366		1	0%
370		282	2.9%
372		1	0%

374		3	0%
375		4	0%
376		2	0%
378		1	0%
380		38	0.4%
385		1	0%
390		15	0.2%
400		305	3.1%
404		1	0%
406		1	0%
408		1	0%
410		21	0.2%
414		1	0%
415		1	0%
416		1	0%
418		2	0%
420		36	0.4%
424		4	0%
430		7	0.1%
434		4	0%
440		41	0.4%
444		1	0%
445		1	0%
450		79	0.8%
454		1	0%
455		1	0%
456		3	0%
460		13	0.1%
462		4	0%
464		1	0%
466		1	0%
470		14	0.1%
474		2	0%
475		1	0%
480		40	0.4%
490		6	0.1%
494		1	0%
496		1	0%
500		177	1.8%

510		8	0.1%
512		2	0%
514		2	0%
515		1	0%
518		1	0%
520		25	0.3%
524		1	0%
525		3	0%
530		6	0.1%
534		1	0%
540		19	0.2%
550		58	0.6%
554		9	0.1%
555		6	0.1%
556		4	0%
560		20	0.2%
570		1	0%
575		1	0%
580		2	0%
590		1	0%
598		1	0%
600		220	2.2%
608		1	0%
610		4	0%
614		1	0%
620		11	0.1%
625		1	0%
630		8	0.1%
634		1	0%
640		22	0.2%
648		4	0%
650		33	0.3%
660		18	0.2%
680		12	0.1%
684		1	0%
690		3	0%
699		1	0%
700		173	1.8%
710		2	0%

714		1	0%
720		41	0.4%
730		2	0%
740		69	0.7%
750		57	0.6%
760		16	0.2%
770		2	0%
780		5	0.1%
800		146	1.5%
810		2	0%
820		15	0.2%
830		1	0%
832		1	0%
840		6	0.1%
848		1	0%
850		35	0.4%
860		10	0.1%
875		1	0%
880		1	0%
890		1	0%
900		237	2.4%
910		2	0%
915		1	0%
920		5	0.1%
924		20	0.2%
925		18	0.2%
926		4	0%
930		5	0.1%
940		1	0%
950		21	0.2%
954		3	0%
960		1	0%
970		2	0%
976		1	0%
980		2	0%
990		4	0%
998		1	0%
1000		58	0.6%
1010		1	0%

1014		1	0%
1020		1	0%
1030		1	0%
1040		1	0%
1050		6	0.1%
1060		7	0.1%
1080		8	0.1%
1090		2	0%
1100		76	0.8%
1110		20	0.2%
1120		4	0%
1130		1	0%
1140		13	0.1%
1150		3	0%
1200		55	0.6%
1220		1	0%
1240		1	0%
1250		8	0.1%
1260		2	0%
1280		1	0%
1290		2	0%
1294		1	0%
1300		25	0.3%
1340		1	0%
1350		1	0%
1360		1	0%
1370		1	0%
1387		2	0%
1400		22	0.2%
1426		1	0%
1440		4	0%
1450		1	0%
1480		6	0.1%
1500		10	0.1%
1503		1	0%
1520		2	0%
1524		1	0%
1560		1	0%
1580		1	0%

1600		11	0.1%
1650		2	0%
1700		5	0.1%
1720		1	0%
1750		2	0%
1757		2	0%
1764		1	0%
1766		1	0%
1800		10	0.1%
1850		15	0.2%
1900		7	0.1%
2000		7	0.1%
2014		1	0%
2025		1	0%
2050		1	0%
2100		6	0.1%
2200		4	0%
2220		1	0%
2240		1	0%
2400		2	0%
2430		1	0%
2500		1	0%
2600		2	0%
2900		1	0%
3040		1	0%
3100		2	0%
3180		1	0%
3200		1	0%
3280		1	0%
3300		1	0%
3400		2	0%
3600		2	0%
3900		1	0%
4000		1	0%
4320		1	0%
4680		1	0%
4900		1	0%
5000		1	0%
6000		2	0%

6300		2	0%
7000		1	0%
9000		2	0%
9200		1	0%
9252		1	0%
9900		1	0%

## ORGANIC: ORGANIC FERTILIZER IF APPLIED (KG)

Data file: 2006\_2007maha

### Overview

Valid: 9851    Invalid: 0    Minimum: 0    Maximum: 9999    Mean: 379.005    Standard deviation: 1262.504  
 Type: Discrete    Decimal: 0    Width: 4    Range: 0 - 9999    Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		7880	80%
4		1	0%
6		2	0%
8		3	0%
10		11	0.1%
20		35	0.4%
22		1	0%
24		1	0%
30		16	0.2%
40		35	0.4%
42		1	0%
44		1	0%
48		1	0%
50		42	0.4%
60		35	0.4%
66		1	0%
70		9	0.1%
72		1	0%
76		2	0%
80		16	0.2%
90		7	0.1%

98		1	0%
100		126	1.3%
102		1	0%
110		6	0.1%
120		19	0.2%
130		3	0%
140		11	0.1%
150		27	0.3%
160		6	0.1%
170		4	0%
180		7	0.1%
190		1	0%
200		97	1%
210		3	0%
220		3	0%
224		1	0%
230		2	0%
240		9	0.1%
250		11	0.1%
260		4	0%
268		2	0%
280		2	0%
290		1	0%
300		29	0.3%
320		2	0%
340		1	0%
350		2	0%
360		2	0%
370		5	0.1%
380		1	0%
400		80	0.8%
420		1	0%
440		1	0%
448		2	0%
450		2	0%
460		1	0%
480		5	0.1%
490		1	0%
497		1	0%



500		62	0.6%
530		3	0%
536		8	0.1%
550		4	0%
600		26	0.3%
640		1	0%
660		1	0%
680		2	0%
700		10	0.1%
740		2	0%
750		1	0%
760		1	0%
772		1	0%
800		30	0.3%
804		2	0%
840		4	0%
864		1	0%
900		7	0.1%
960		1	0%
990		1	0%
1000		153	1.6%
1050		1	0%
1072		2	0%
1100		7	0.1%
1120		1	0%
1156		1	0%
1200		28	0.3%
1400		11	0.1%
1500		36	0.4%
1508		1	0%
1550		1	0%
1600		51	0.5%
1700		7	0.1%
1792		1	0%
1800		9	0.1%
1900		3	0%
2000		258	2.6%
2100		1	0%
2126		1	0%

2200		7	0.1%
2240		8	0.1%
2280		6	0.1%
2400		23	0.2%
2500		18	0.2%
2600		4	0%
3000		81	0.8%
3200		1	0%
3420		1	0%
3500		2	0%
3600		6	0.1%
3900		1	0%
4000		124	1.3%
4200		1	0%
4400		5	0.1%
4480		11	0.1%
4500		3	0%
4560		2	0%
4600		2	0%
4800		8	0.1%
5000		51	0.5%
5240		1	0%
5400		1	0%
5500		1	0%
5600		1	0%
5700		2	0%
5800		1	0%
5900		1	0%
6000		35	0.4%
6200		1	0%
6400		1	0%
6500		4	0%
7000		9	0.1%
7200		2	0%
7400		1	0%
7500		1	0%
7600		1	0%
8000		31	0.3%
8600		1	0%

8960		2	0%
9000		40	0.4%
9500		1	0%
9600		2	0%
9800		2	0%
9900		1	0%
9990		1	0%
9999		17	0.2%

## WEEDING: WEEDING

Data file: 2006\_2007maha

### Overview

Valid: 9851 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		72	0.7%
1		1664	16.9%
2		7292	74%
3		191	1.9%
4		632	6.4%

## INSECTICIDES: INSECTICIDES

Data file: 2006\_2007maha

### Overview

Valid: 9851 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0		73	0.7%
1		5729	58.2%
2		4049	41.1%

**FUNGICIDES: FUNGICIDES****Data file:** 2006\_2007maha**Overview**

Valid: 9851 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		271	2.8%
1		2043	20.7%
2		7537	76.5%

**DAMAGE: ADVERSE AFFECTS ON CROP****Data file:** 2006\_2007maha**Overview**

Valid: 9851 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 7 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		321	3.3%
1		17	0.2%
2		21	0.2%
3		7	0.1%
4		3	0%
5		1	0%
6		7587	77%
7		1894	19.2%

**RECNO: RECORD NO****Data file:** 2006\_2007maha

**Overview**

Valid: 9851   Invalid: 0   Minimum: 0   Maximum: 4444   Mean: 56.258   Standard deviation: 109.892  
 Type: Continuous   Decimal: 0   Width: 4   Range: 0 - 4444   Format: Numeric

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**SN: SERIAL NO**

**Data file: 2006\_2007maha**

**Overview**

Valid: 0   Invalid: 9851  
 Type: Continuous   Decimal: 0   Width: 5   Range: -   Format: Numeric

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**Q1: Q1**

**Data file: 2006\_2007maha**

**Overview**

Valid: 9851   Invalid: 0   Minimum: 0   Maximum: 27   Mean: 12.698   Standard deviation: 7.771  
 Type: Continuous   Decimal: 0   Width: 2   Range: 0 - 27   Format: Numeric

---

**YIELD: YIELD**

**Data file: 2006\_2007maha**

**Overview**

Valid: 9851   Invalid: 0  
 Type: Discrete   Decimal: 0   Width: 5   Range: -   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0		5978	60.7%
1.38		2	0%
1.5		3	0%
1.56		1	0%
1.75		2	0%
2.25		2	0%
2.5		1	0%
2.63		1	0%
2.78		1	0%
2.94		1	0%
3.09		1	0%
3.16		1	0%

3.28		2	0%
3.41		1	0%
3.44		1	0%
3.47		1	0%
3.78		2	0%
3.81		1	0%
3.88		1	0%
3.91		1	0%
4.05		1	0%
4.13		1	0%
4.22		1	0%
4.25		1	0%
4.28		1	0%
4.31		1	0%
4.63		1	0%
4.75		1	0%
4.78		1	0%
4.87		1	0%
4.99		1	0%
5.03		1	0%
5.06		1	0%
5.13		1	0%
5.16		1	0%
5.19		1	0%
5.28		2	0%
5.31		4	0%
5.34		1	0%
5.38		2	0%
5.5		2	0%
5.53		2	0%
5.59		1	0%
5.63		2	0%
5.75		2	0%
5.88		1	0%
6		7	0.1%
6.03		1	0%
6.06		1	0%
6.09		1	0%
6.13		1	0%

6.19		1	0%
6.25		5	0.1%
6.28		4	0%
6.31		1	0%
6.38		2	0%
6.47		1	0%
6.53		1	0%
6.59		3	0%
6.63		1	0%
6.66		3	0%
6.68		1	0%
6.69		1	0%
6.75		5	0.1%
6.81		2	0%
7		2	0%
7.03		3	0%
7.16		3	0%
7.19		2	0%
7.22		2	0%
7.25		2	0%
7.28		3	0%
7.31		2	0%
7.41		1	0%
7.44		2	0%
7.5		2	0%
7.59		2	0%
7.63		2	0%
7.66		3	0%
7.72		1	0%
7.75		4	0%
7.78		3	0%
7.8		1	0%
7.81		3	0%
7.83		1	0%
7.84		1	0%
8		3	0%
8.03		3	0%
8.06		5	0.1%
8.09		3	0%

8.13		4	0%
8.16		1	0%
8.19		1	0%
8.22		1	0%
8.24		1	0%
8.25		5	0.1%
8.28		5	0.1%
8.31		2	0%
8.34		5	0.1%
8.38		6	0.1%
8.41		3	0%
8.47		1	0%
8.5		10	0.1%
8.52		1	0%
8.56		2	0%
8.59		2	0%
8.63		3	0%
8.66		2	0%
8.69		2	0%
8.75		6	0.1%
8.78		2	0%
8.81		2	0%
8.84		1	0%
8.88		1	0%
9		5	0.1%
9.03		2	0%
9.09		3	0%
9.12		2	0%
9.13		3	0%
9.16		2	0%
9.24		1	0%
9.25		4	0%
9.28		9	0.1%
9.31		3	0%
9.34		2	0%
9.38		8	0.1%
9.44		1	0%
9.47		1	0%
9.5		10	0.1%



9.53		4	0%
9.56		3	0%
9.6		1	0%
9.62		1	0%
9.63		4	0%
9.66		3	0%
9.75		5	0.1%
9.78		3	0%
9.81		4	0%
9.85		1	0%
9.88		1	0%
9.91		2	0%
10		7	0.1%
10.03		6	0.1%
10.06		2	0%
10.09		1	0%
10.13		3	0%
10.16		2	0%
10.19		1	0%
10.25		7	0.1%
10.26		1	0%
10.28		4	0%
10.31		3	0%
10.34		1	0%
10.38		3	0%
10.41		3	0%
10.44		2	0%
10.5		16	0.2%
10.53		4	0%
10.56		5	0.1%
10.59		2	0%
10.62		1	0%
10.63		5	0.1%
10.66		3	0%
10.69		3	0%
10.72		2	0%
10.75		9	0.1%
10.78		1	0%
10.81		4	0%

10.88		5	0.1%
11		6	0.1%
11.03		5	0.1%
11.05		1	0%
11.09		1	0%
11.13		3	0%
11.16		3	0%
11.19		2	0%
11.22		1	0%
11.25		8	0.1%
11.28		2	0%
11.31		2	0%
11.34		4	0%
11.38		7	0.1%
11.41		4	0%
11.44		3	0%
11.47		1	0%
11.5		9	0.1%
11.53		2	0%
11.56		4	0%
11.63		2	0%
11.66		8	0.1%
11.69		2	0%
11.72		1	0%
11.75		20	0.2%
11.81		5	0.1%
11.88		2	0%
12		16	0.2%
12.03		5	0.1%
12.06		3	0%
12.09		3	0%
12.13		4	0%
12.16		2	0%
12.19		4	0%
12.22		3	0%
12.25		12	0.1%
12.28		6	0.1%
12.34		2	0%
12.35		1	0%

12.36		1	0%
12.38		9	0.1%
12.41		4	0%
12.44		1	0%
12.47		1	0%
12.5		19	0.2%
12.53		4	0%
12.56		5	0.1%
12.59		2	0%
12.63		9	0.1%
12.66		3	0%
12.69		2	0%
12.72		1	0%
12.75		20	0.2%
12.76		1	0%
12.78		4	0%
12.81		4	0%
12.82		1	0%
12.84		3	0%
12.88		2	0%
12.91		1	0%
12.94		2	0%
13		13	0.1%
13.03		5	0.1%
13.06		5	0.1%
13.09		3	0%
13.12		1	0%
13.13		9	0.1%
13.16		5	0.1%
13.19		1	0%
13.24		1	0%
13.25		16	0.2%
13.26		1	0%
13.28		3	0%
13.31		7	0.1%
13.34		7	0.1%
13.38		9	0.1%
13.41		3	0%
13.44		1	0%

13.5		18	0.2%
13.53		2	0%
13.55		1	0%
13.56		2	0%
13.59		2	0%
13.63		4	0%
13.66		5	0.1%
13.69		2	0%
13.72		3	0%
13.75		10	0.1%
13.78		3	0%
13.81		4	0%
13.84		4	0%
13.88		2	0%
13.94		1	0%
13.97		2	0%
14		10	0.1%
14.03		4	0%
14.06		7	0.1%
14.09		4	0%
14.12		1	0%
14.13		5	0.1%
14.16		4	0%
14.19		5	0.1%
14.22		2	0%
14.24		1	0%
14.25		9	0.1%
14.26		1	0%
14.28		7	0.1%
14.31		6	0.1%
14.34		3	0%
14.38		8	0.1%
14.41		5	0.1%
14.44		3	0%
14.47		1	0%
14.5		19	0.2%
14.53		7	0.1%
14.56		7	0.1%
14.59		6	0.1%

14.63		6	0.1%
14.64		1	0%
14.66		6	0.1%
14.69		4	0%
14.72		3	0%
14.75		13	0.1%
14.78		4	0%
14.81		4	0%
14.84		4	0%
14.87		1	0%
14.88		4	0%
14.91		2	0%
14.94		3	0%
14.97		3	0%
15		21	0.2%
15.03		8	0.1%
15.04		1	0%
15.05		1	0%
15.06		4	0%
15.09		5	0.1%
15.12		1	0%
15.13		3	0%
15.16		5	0.1%
15.19		5	0.1%
15.21		1	0%
15.22		2	0%
15.25		16	0.2%
15.28		6	0.1%
15.31		5	0.1%
15.32		1	0%
15.34		8	0.1%
15.38		9	0.1%
15.41		3	0%
15.44		2	0%
15.47		3	0%
15.5		27	0.3%
15.53		3	0%
15.56		7	0.1%
15.59		5	0.1%

15.63		8	0.1%
15.66		8	0.1%
15.69		3	0%
15.72		1	0%
15.75		19	0.2%
15.76		1	0%
15.78		8	0.1%
15.81		5	0.1%
15.84		1	0%
15.88		4	0%
15.91		3	0%
15.94		1	0%
15.97		2	0%
16		14	0.1%
16.03		4	0%
16.06		10	0.1%
16.09		7	0.1%
16.12		1	0%
16.13		20	0.2%
16.16		6	0.1%
16.19		9	0.1%
16.2		1	0%
16.22		2	0%
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16.31		9	0.1%
16.34		4	0%
16.38		10	0.1%
16.41		6	0.1%
16.47		3	0%
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16.56		9	0.1%
16.58		1	0%
16.59		5	0.1%
16.6		1	0%
16.63		8	0.1%

16.66		3	0%
16.69		2	0%
16.72		3	0%
16.75		14	0.1%
16.78		5	0.1%
16.81		2	0%
16.84		1	0%
16.88		5	0.1%
16.91		1	0%
16.94		2	0%
16.97		3	0%
17		17	0.2%
17.03		8	0.1%
17.05		1	0%
17.06		3	0%
17.09		3	0%
17.12		1	0%
17.13		10	0.1%
17.16		8	0.1%
17.19		5	0.1%
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17.26		1	0%
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17.31		7	0.1%
17.34		4	0%
17.38		11	0.1%
17.41		6	0.1%
17.44		2	0%
17.47		4	0%
17.5		22	0.2%
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17.63		12	0.1%
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17.69		6	0.1%
17.72		2	0%

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17.78		4	0%
17.81		6	0.1%
17.84		5	0.1%
17.88		6	0.1%
17.91		3	0%
17.94		3	0%
17.97		1	0%
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18.03		7	0.1%
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18.09		9	0.1%
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18.16		5	0.1%
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18.19		5	0.1%
18.22		2	0%
18.25		23	0.2%
18.26		2	0%
18.28		5	0.1%
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18.38		10	0.1%
18.41		8	0.1%
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18.47		4	0%
18.5		19	0.2%
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18.53		9	0.1%
18.56		8	0.1%
18.59		2	0%
18.6		2	0%
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18.63		14	0.1%
18.64		2	0%
18.66		8	0.1%
18.69		5	0.1%
18.72		3	0%
18.75		16	0.2%



18.78		5	0.1%
18.81		7	0.1%
18.82		1	0%
18.84		4	0%
18.88		5	0.1%
18.91		4	0%
18.94		4	0%
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19.03		5	0.1%
19.05		1	0%
19.06		6	0.1%
19.09		7	0.1%
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19.16		10	0.1%
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19.41		8	0.1%
19.44		4	0%
19.47		1	0%
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19.63		6	0.1%
19.64		1	0%
19.66		5	0.1%
19.69		6	0.1%
19.72		5	0.1%
19.75		10	0.1%
19.78		4	0%
19.81		5	0.1%
19.84		5	0.1%
19.88		7	0.1%

19.91		1	0%
19.94		1	0%
19.97		2	0%
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20.03		7	0.1%
20.05		2	0%
20.06		8	0.1%
20.09		4	0%
20.12		1	0%
20.13		7	0.1%
20.16		10	0.1%
20.19		3	0%
20.22		3	0%
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20.38		6	0.1%
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20.44		4	0%
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20.47		1	0%
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20.66		8	0.1%
20.69		2	0%
20.72		4	0%
20.75		13	0.1%
20.78		5	0.1%
20.81		1	0%
20.84		4	0%

20.88		14	0.1%
20.91		2	0%
20.94		5	0.1%
20.97		3	0%
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21.03		3	0%
21.06		3	0%
21.09		9	0.1%
21.13		11	0.1%
21.16		5	0.1%
21.19		5	0.1%
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21.25		15	0.2%
21.28		9	0.1%
21.29		1	0%
21.31		5	0.1%
21.32		1	0%
21.34		8	0.1%
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21.38		6	0.1%
21.41		5	0.1%
21.44		6	0.1%
21.47		1	0%
21.5		19	0.2%
21.53		7	0.1%
21.56		7	0.1%
21.58		1	0%
21.59		4	0%
21.63		17	0.2%
21.66		5	0.1%
21.69		3	0%
21.72		4	0%
21.75		21	0.2%
21.78		3	0%
21.81		3	0%
21.84		4	0%
21.88		6	0.1%
21.91		2	0%
21.94		3	0%

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22.05		6	0.1%
22.06		6	0.1%
22.09		9	0.1%
22.12		1	0%
22.13		12	0.1%
22.16		5	0.1%
22.19		5	0.1%
22.22		1	0%
22.24		1	0%
22.25		13	0.1%
22.28		9	0.1%
22.31		12	0.1%
22.34		7	0.1%
22.38		19	0.2%
22.41		5	0.1%
22.44		2	0%
22.5		15	0.2%
22.53		6	0.1%
22.56		7	0.1%
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22.62		1	0%
22.63		11	0.1%
22.66		8	0.1%
22.69		6	0.1%
22.72		3	0%
22.75		8	0.1%
22.84		3	0%
22.88		5	0.1%
22.91		1	0%
22.94		1	0%
22.97		2	0%
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23.03		2	0%
23.05		7	0.1%
23.06		3	0%
23.09		6	0.1%

23.13		3	0%
23.16		2	0%
23.19		2	0%
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23.25		14	0.1%
23.28		1	0%
23.31		7	0.1%
23.34		5	0.1%
23.38		3	0%
23.41		3	0%
23.44		6	0.1%
23.47		2	0%
23.5		14	0.1%
23.53		2	0%
23.56		7	0.1%
23.59		5	0.1%
23.63		7	0.1%
23.66		5	0.1%
23.69		6	0.1%
23.75		8	0.1%
23.78		4	0%
23.81		4	0%
23.84		4	0%
23.88		6	0.1%
23.91		1	0%
23.94		1	0%
23.95		1	0%
23.97		2	0%
24		14	0.1%
24.03		4	0%
24.05		1	0%
24.06		6	0.1%
24.09		3	0%
24.12		1	0%
24.13		4	0%
24.16		3	0%
24.19		6	0.1%
24.22		1	0%
24.24		1	0%

24.25		16	0.2%
24.28		6	0.1%
24.31		6	0.1%
24.34		2	0%
24.38		10	0.1%
24.41		5	0.1%
24.44		3	0%
24.47		2	0%
24.5		18	0.2%
24.53		3	0%
24.56		10	0.1%
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24.63		11	0.1%
24.66		3	0%
24.69		3	0%
24.75		8	0.1%
24.78		1	0%
24.81		3	0%
24.84		1	0%
24.88		3	0%
24.91		1	0%
24.97		1	0%
25		16	0.2%
25.03		5	0.1%
25.06		9	0.1%
25.09		5	0.1%
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25.16		7	0.1%
25.19		4	0%
25.22		2	0%
25.25		6	0.1%
25.28		4	0%
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25.31		6	0.1%
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25.38		7	0.1%
25.41		2	0%
25.44		2	0%
25.47		1	0%

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25.53		6	0.1%
25.56		4	0%
25.59		2	0%
25.63		7	0.1%
25.66		1	0%
25.69		7	0.1%
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25.75		5	0.1%
25.78		1	0%
25.81		3	0%
25.88		3	0%
25.91		3	0%
25.97		1	0%
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26.03		4	0%
26.06		3	0%
26.09		6	0.1%
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26.31		6	0.1%
26.34		1	0%
26.38		7	0.1%
26.41		1	0%
26.44		1	0%
26.47		1	0%
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26.59		5	0.1%
26.63		10	0.1%
26.66		5	0.1%

26.69		1	0%
26.75		10	0.1%
26.78		3	0%
26.81		3	0%
26.88		2	0%
26.91		2	0%
26.94		2	0%
26.97		1	0%
27		6	0.1%
27.03		3	0%
27.06		4	0%
27.09		2	0%
27.13		8	0.1%
27.16		3	0%
27.19		3	0%
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27.31		5	0.1%
27.34		1	0%
27.38		6	0.1%
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27.53		2	0%
27.56		5	0.1%
27.59		1	0%
27.63		4	0%
27.69		4	0%
27.72		4	0%
27.75		8	0.1%
27.78		4	0%
27.81		1	0%
27.84		2	0%
27.88		3	0%
27.91		1	0%
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28.01		1	0%
28.03		4	0%



28.05		1	0%
28.09		3	0%
28.13		6	0.1%
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28.19		4	0%
28.25		5	0.1%
28.28		4	0%
28.31		6	0.1%
28.34		1	0%
28.38		1	0%
28.41		2	0%
28.44		2	0%
28.5		12	0.1%
28.53		3	0%
28.56		1	0%
28.59		2	0%
28.63		6	0.1%
28.66		2	0%
28.69		1	0%
28.72		1	0%
28.75		11	0.1%
28.78		6	0.1%
28.84		1	0%
28.88		1	0%
28.91		3	0%
28.94		1	0%
28.97		1	0%
29		5	0.1%
29.03		6	0.1%
29.05		1	0%
29.06		1	0%
29.09		3	0%
29.13		5	0.1%
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29.25		5	0.1%
29.28		4	0%
29.31		2	0%
29.34		1	0%
29.38		4	0%

29.41		2	0%
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29.5		14	0.1%
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29.56		2	0%
29.59		2	0%
29.63		2	0%
29.66		4	0%
29.75		5	0.1%
29.78		1	0%
29.81		1	0%
30		4	0%
30.03		5	0.1%
30.05		2	0%
30.06		4	0%
30.09		2	0%
30.13		2	0%
30.16		1	0%
30.19		2	0%
30.25		8	0.1%
30.28		4	0%
30.31		3	0%
30.41		1	0%
30.47		1	0%
30.5		4	0%
30.53		1	0%
30.56		6	0.1%
30.59		1	0%
30.63		2	0%
30.66		3	0%
30.69		2	0%
30.75		2	0%
30.78		3	0%
30.81		2	0%
30.88		3	0%
31		2	0%
31.03		1	0%
31.06		1	0%
31.09		1	0%

31.13		1	0%
31.16		1	0%
31.19		4	0%
31.28		3	0%
31.31		3	0%
31.34		1	0%
31.38		2	0%
31.44		1	0%
31.5		4	0%
31.53		1	0%
31.56		1	0%
31.59		1	0%
31.66		1	0%
31.69		1	0%
31.75		3	0%
31.81		1	0%
31.88		1	0%
31.94		1	0%
32		2	0%
32.03		1	0%
32.06		4	0%
32.09		1	0%
32.13		4	0%
32.19		1	0%
32.25		4	0%
32.28		1	0%
32.31		1	0%
32.34		1	0%
32.38		1	0%
32.41		2	0%
32.47		2	0%
32.5		2	0%
32.56		2	0%
32.63		1	0%
32.69		1	0%
32.75		5	0.1%
32.84		1	0%
32.88		1	0%
33		2	0%

33.03		1	0%
33.15		1	0%
33.16		1	0%
33.19		1	0%
33.28		1	0%
33.31		1	0%
33.44		1	0%
33.5		1	0%
33.53		1	0%
33.69		1	0%
33.91		1	0%
34.13		3	0%
34.41		1	0%
34.44		3	0%
34.5		1	0%
34.63		3	0%
34.75		2	0%
35		1	0%
35.05		1	0%
35.5		2	0%
35.63		1	0%
35.75		1	0%
36		1	0%
36.13		1	0%
36.25		1	0%
36.31		1	0%
36.38		3	0%
36.52		1	0%
36.6		1	0%
36.72		1	0%
37.16		1	0%
37.25		1	0%
37.5		1	0%
37.69		1	0%
37.75		2	0%
37.97		1	0%
38		1	0%
38.53		1	0%
38.56		2	0%

38.75		1	0%
39.25		1	0%
39.31		2	0%
39.41		1	0%
39.63		1	0%
40.5		1	0%
59.53		1	0%
61.8		1	0%

## Download related resources

### Questionnaires

#### Crop Estimation Survey on Paddy - Survey Schedule

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Title Crop Estimation Survey on Paddy - Survey Schedule  
 Filename CC3.pdf

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### Technical documents

#### Formulae to Calculate Avg. Yield & Variance for a given Stratum

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Title Formulae to Calculate Avg. Yield & Variance for a given Stratum  
 Filename Formulae to Calculate Avg. Yield & Variance for a given Stratum.doc

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### Other materials

#### Crop Estimation Survey on Paddy 2007 - Preliminary Cultivator Information Collecting Form

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Title Crop Estimation Survey on Paddy 2007 - Preliminary Cultivator Information Collecting Form  
 Filename CC1.pdf

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#### Crop Estimation Survey on Paddy - Cultivators Selected for Survey

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Title Crop Estimation Survey on Paddy - Cultivators Selected for Survey  
 Filename CC2.pdf

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#### Crop Estimation Survey on Paddy - Quality Checking Report

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Title Crop Estimation Survey on Paddy - Quality Checking Report  
 Filename CC4.pdf

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#### Study Documentation of CESP(M)07 Project

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Title Study Documentation of CESP(M)07 Project  
 Filename Study Documentation of CESP(M)07 Project.pdf

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#### Time series data of Extent, Yield and Production 77-08

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Title Time series data of Extent, Yield and Production 77-08  
 Filename Time Series Data of Extent, Yield, Production 77-08.xls

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#### Time Series of Sown, Harvested, Yield, Production - Maha 1970-2008

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Title Time Series of Sown, Harvested, Yield, Production - Maha 1970-2008

Filename Time Series of Sown, Harvested, Yield, Production - Maha 1970-2008.xls

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## **District Codes List for Crop Estimation Survey of Paddy**

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Title District Codes List for Crop Estimation Survey of Paddy

Filename District Codes List.xls

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