

Sri Lanka - Crop Estimating Survey on Paddy (Maha) - 2009

Department of Census and Statistics

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Identification

SURVEY ID NUMBER

LKA-DCS-CESP[M]-2009-v1.0

TITLE

Crop Estimating Survey on Paddy (Maha) - 2009

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.

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

VERSION DESCRIPTION

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

VERSION DATE

2009-09-10

Scope

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	Link

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
2008-10-01	2009-04-30

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.net.lk	Link
Agriculture and Environment Statistics Division	Department of Census and Statistics	agriculture@statistics.gov.lk	Link
Information Unit	Department of Census and Statistics	information@statistics.gov.lk	Link

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.

ACCESS CONDITIONS

The dataset has been anonymized and is available as a Public Use Dataset. It is accessible to all for statistical and research purposes only, under the following terms and conditions:

1. The data and other materials will not be redistributed or sold to other individuals, institutions, or organizations without the written agreement.

2. 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.
3. 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.
4. No attempt will be made to produce links among datasets provided by the Department or among data from the Department and other datasets that could identify individuals or organizations.
5. Any books, articles, conference papers, theses, dissertations, reports, or other publications that employ data obtained from the Department will cite the source of data in accordance with the Citation Requirement provided with each dataset.
6. An electronic copy of all reports and publications based on the requested data will be sent to the Department

The following rules apply to micro data released by the Department of Census and Statistics.

- Only the requests of Government Institutions, Recognized Universities, Students, and selected international agencies are entertained. However, the Data users are required to strictly adhere to the terms stipulated in the agreement form.
- All the data requests should be made to Director General (DG) of the DCS as the sole authority of releasing data is vested with the DG of the DCS. The DCS of Sri Lanka reserves sole right to approve or reject any data request made depending on the confidential nature of the data set and intended purpose of the study or analysis.
- 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.
- If the data request is from a student a letter from the respective Dept. Head/Dean/Supervisor, recommending the issue of data, should also be accompanied.
- If the request is approved only 25% of the data file is released at the first stage. The release of the total data file is considered only after reviewing the draft report prepared on the basis of the 25% sample data file.
- The released Data file should be used only for the specific study/Analysis mentioned in the agreement form and shall not be used for any other purpose without the prior approval of the Director General of the DCS. Moreover, Copies of the micro-data file, obtained from the DCS, shall not be given to anyone else without the prior written approval of the Director General of the DCS.
- 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

CITATION REQUIREMENTS

Department of Census and Statistics, Crop Estimation Survey on Paddy [Maha] 2009 [CESP(M) 2009], Version 1.0 of the internal use dataset September 2009, provided by the National Data Archive, Data Processing Division, www.statistics.gov.lk"

ACCESS AUTHORITY

Name	Affiliation	Email	URL
Director General	Department of Census and Statistics	dgcensus@slt.net.lk	Link

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Metadata production

DDI DOCUMENT ID

DDI-LKA-DCS-CESP[M]-2009-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

2009-09-10

DDI DOCUMENT VERSION

Version 1.0 (2009)

Data Dictionary

Data file	Cases	Variables
2008_09maha	9979	27

Data file: 2008_09maha

Cases: 9979

Variables: 27

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	Inquire from the cultivator the total quantity of fertilizer used in the parcel and give the quantity in Kg's.
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	
V85	SN	SERIAL NO	

Total: 27

YEAR: YEAR**Data file: 2008_09maha****Overview**

Valid: 9979 Invalid: 0

Type: Discrete Decimal: 0 Width: 2 Range: 9 - 9 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
8		1	0%
9		9978	100%

DISTRICT: DISTRICT**Data file: 2008_09maha****Overview**

Valid: 9979 Invalid: 0 Minimum: 1 Maximum: 27 Mean: 12.787 Standard deviation: 7.513

Type: Continuous Decimal: 0 Width: 2 Range: 1 - 27 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Colombo	139	1.4%
2	Gampaha	362	3.6%
3	Kalutara	487	4.9%
4	Galle	430	4.3%
5	Matara	446	4.5%
6	Ratnapura	439	4.4%
7	Kegalle	382	3.8%
8	Kurunegala	1434	14.4%
9	Puttalam	495	5%
10	Kandy	354	3.5%
11	Matale	297	3%
12	Nuwara Eliya	208	2.1%
13	Badulla	474	4.7%
14	Moneragala	341	3.4%
15	Jaffna	201	2%
16	Kilinochchi	0	0%

17	Vavuniya	120	1.2%
18	Mullaitivu	0	0%
19	Mannar	48	0.5%
20	Anuradhapura	1103	11.1%
21	Polonnaruwa	494	5%
22	Trincomalee	310	3.1%
23	Batticaloa	327	3.3%
24	Ampara	513	5.1%
25	Hambantota	287	2.9%
26	Udawalawa	148	1.5%
27	Mahaweli H	140	1.4%

AGADIV: AGA DIV

Data file: 2008_09maha

Overview

Valid: 9979 Invalid: 0 Minimum: 0 Maximum: 30 Mean: 8.451 Standard deviation: 6.263
 Type: Continuous Decimal: 0 Width: 2 Range: 1 - 42 Format: Numeric

IRRIGATIONTYPE: IRRIGATION TYPE

Data file: 2008_09maha

Overview

Valid: 9979 Invalid: 0
 Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Major	3173	31.8%
2	Minor	3357	33.6%
3	Rainfed	3449	34.6%

VILLAGE: VILLAGE

Data file: 2008_09maha

Overview

Valid: 9979 Invalid: 0 Minimum: 1 Maximum: 32 Mean: 3.278 Standard deviation: 2.561
 Type: Continuous Decimal: 0 Width: 2 Range: 0 - 53 Format: Numeric

LD: PARCEL NO

Data file: 2008_09maha

Overview

Valid: 9979 Invalid: 0
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		2	0%
1		5093	51%
2		4884	48.9%

Description

DEFINITION

Paddy land Parcel is the land demarcated for the operator to cultivate

SOWNA: EXT SOWN-ACRS

Data file: 2008_09maha

Overview

Valid: 9848 Invalid: 131
 Type: Discrete Decimal: 0 Width: 2 Range: 0 - 15 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		4115	41.8%
1		3155	32%
2		1630	16.6%
3		589	6%
4		146	1.5%
5		119	1.2%
6		31	0.3%
7		10	0.1%
8		9	0.1%

9		8	0.1%
10		15	0.2%
11		2	0%
12		3	0%
14		1	0%
15		5	0.1%
17		2	0%
18		1	0%
20		2	0%
23		1	0%
25		1	0%
30		3	0%
Sysmiss		131	

SOWNR: EXT SOWN-ROOD

Data file: 2008_09maha

Overview

Valid: 9948 Invalid: 31

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		4416	44.4%
1		1444	14.5%
2		3181	32%
3		903	9.1%
5		4	0%
Sysmiss		31	

SOWNP: EXT SOWN-PRCH

Data file: 2008_09maha

Overview

Valid: 9759 Invalid: 220 Minimum: 0 Maximum: 66 Mean: 2.513 Standard deviation: 7.135

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		8526	87.4%
1		4	0%
2		10	0.1%
3		5	0.1%
5		11	0.1%
6		3	0%
7		9	0.1%
8		41	0.4%
9		1	0%
10		133	1.4%
11		2	0%
12		15	0.2%
13		41	0.4%
14		19	0.2%
15		23	0.2%
16		56	0.6%
17		4	0%
18		3	0%
19		2	0%
20		457	4.7%
21		4	0%
22		5	0.1%
24		93	1%
25		28	0.3%
26		37	0.4%
27		20	0.2%
28		13	0.1%
29		2	0%
30		127	1.3%
31		2	0%
32		26	0.3%
33		6	0.1%
34		2	0%
35		13	0.1%
36		3	0%

37		3	0%
38		2	0%
39		1	0%
40		5	0.1%
65		1	0%
66		1	0%
Sysmiss		220	

SEASON: SEASON

Data file: 2008_09maha

Overview

Valid: 9979 Invalid: 0
 Type: Discrete Width: 1 Range: - Format: character

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		1	0%
M	Maha	333	3.3%
m	Maha	9643	96.6%
y		2	0%

Description

DEFINITION

Maha Season is the main season associated with North-east monsoons effective during September - April in the following year.

LID: NUM LIYADDA IN PARCEL

Data file: 2008_09maha

Overview

Valid: 9727 Invalid: 252
 Type: Discrete Decimal: 0 Width: 3 Range: 0 - 8 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
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0		9727	100%
Sysmiss		252	

Description

DEFINITION

Liyadda - major block of cultivation in a parcel

LIYADDALNG: LIYADDA LENGTH

Data file: 2008_09maha

Overview

Valid: 9727 Invalid: 252

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		9727	100%
Sysmiss		252	

LIYADDABRT: LIYADDA BREDTH

Data file: 2008_09maha

Overview

Valid: 9727 Invalid: 252

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		9727	100%
Sysmiss		252	

TENURE: SYSTEM OF TENURE

Data file: 2008_09maha

Overview

Valid: 9979 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	0	50	0.5%
1	Singly owned	7438	74.5%
2	Jointly owned	793	7.9%
3	Ande	1537	15.4%
4	Other	159	1.6%
5		2	0%

Description

DEFINITION

System of Tenure could be (1) Singly owned (2) Jointly owned including Thattumaru and Kattimarau. (3) Ande (4) Other

Thattumaru - An accepted cultivation system where a each person claiming ownership of a paddy field cultivates a predetermined area of the field in rotation.

Kattimarau - Cultivating different crops in different seasons.

Ande - Permitting a non-owner to cultivate the paddy field under the condition that the crop produced from that is shared between him and the owner.

PREPARATION: PREPARATION OF LAND

Data file: 2008_09maha

Overview

Valid: 9977 Invalid: 2

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	0	64	0.6%
1	By Tractor	7856	78.7%
2	Buffalow ploughed	859	8.6%
3	Buffalow mudded	146	1.5%
4	Mammotied	740	7.4%
5	5	143	1.4%
6	6	131	1.3%

7	7	38	0.4%
Sysmiss		2	

Description

DEFINITION

Predominant method of preparation of land

VARIETY: VARIETY OF SEED

Data file: 2008_09maha

Overview

Valid: 9954 Invalid: 25

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		82	0.8%
1		9578	96.2%
2		214	2.1%
3		80	0.8%
Sysmiss		25	

SOWING: SOWING METHOD

Data file: 2008_09maha

Overview

Valid: 9974 Invalid: 5

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	0	56	0.6%
1	Broadcasting	8845	88.7%
2	Transplanted in rows	180	1.8%
3	Transplanted not in rows	883	8.9%
4	Row seeded	10	0.1%

Sysmiss		5	
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FERTILIZER: FERTILIZER APPLICATION

Data file: 2008_09maha

Overview

Valid: 9979 Invalid: 0
 Type: Discrete Decimal: 0 Width: 1 Range: 0 - 4 Format: Numeric

Questions and instructions

LITERAL QUESTION

Inquire from the cultivator the total quantity of fertilizer used in the parcel and give the quantity in Kg's.

CATEGORIES

Value	Category	Cases	
0	0	31	0.3%
1	Chemical fertilizer only	7033	70.5%
2	Organic fertilizer only	64	0.6%
3	Both chemical & organic	2766	27.7%
4	None	85	0.9%

CHEMICAL: CHEMICAL FERTILIZER IF APPLIED (KG)

Data file: 2008_09maha

Overview

Valid: 9968 Invalid: 11 Minimum: 0 Maximum: 8200 Mean: 368.403 Standard deviation: 389.157
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 9900 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		224	2.2%
6		3	0%
7		1	0%
10		7	0.1%
14		7	0.1%
16		13	0.1%
18		3	0%
19		1	0%

20		43	0.4%
21		3	0%
24		20	0.2%
25		1	0%
26		7	0.1%
28		12	0.1%
29		1	0%
30		55	0.6%
31		1	0%
32		3	0%
34		3	0%
35		3	0%
36		12	0.1%
38		4	0%
39		3	0%
40		80	0.8%
41		1	0%
42		9	0.1%
44		12	0.1%
45		11	0.1%
46		23	0.2%
48		9	0.1%
50		109	1.1%
51		2	0%
52		40	0.4%
53		12	0.1%
54		10	0.1%
55		3	0%
56		37	0.4%
58		5	0.1%
60		176	1.8%
61		1	0%
62		28	0.3%
63		10	0.1%
64		42	0.4%
65		14	0.1%
66		26	0.3%
67		1	0%
68		15	0.2%

70		109	1.1%
71		1	0%
72		11	0.1%
73		1	0%
74		17	0.2%
75		12	0.1%
76		14	0.1%
78		18	0.2%
79		1	0%
80		132	1.3%
82		19	0.2%
83		2	0%
84		44	0.4%
85		16	0.2%
86		21	0.2%
87		1	0%
88		5	0.1%
90		99	1%
92		9	0.1%
94		3	0%
95		1	0%
96		15	0.2%
98		8	0.1%
99		2	0%
100		228	2.3%
102		26	0.3%
103		2	0%
104		46	0.5%
105		44	0.4%
106		13	0.1%
107		1	0%
108		20	0.2%
109		1	0%
110		109	1.1%
112		14	0.1%
114		1	0%
115		5	0.1%
116		9	0.1%
118		5	0.1%

119		1	0%
120		230	2.3%
122		12	0.1%
124		48	0.5%
125		35	0.4%
126		24	0.2%
128		14	0.1%
129		1	0%
130		110	1.1%
131		1	0%
132		14	0.1%
133		1	0%
134		28	0.3%
135		6	0.1%
136		8	0.1%
138		14	0.1%
140		174	1.7%
141		4	0%
142		5	0.1%
143		1	0%
144		30	0.3%
146		3	0%
148		5	0.1%
150		170	1.7%
151		4	0%
152		9	0.1%
154		7	0.1%
155		1	0%
156		13	0.1%
158		14	0.1%
160		185	1.9%
162		11	0.1%
164		27	0.3%
165		4	0%
166		11	0.1%
168		11	0.1%
169		1	0%
170		166	1.7%
171		26	0.3%

172		24	0.2%
173		2	0%
174		15	0.2%
175		21	0.2%
176		17	0.2%
178		2	0%
180		121	1.2%
182		10	0.1%
184		26	0.3%
185		2	0%
186		13	0.1%
187		3	0%
188		26	0.3%
189		2	0%
190		21	0.2%
192		8	0.1%
193		1	0%
194		1	0%
195		2	0%
196		4	0%
198		2	0%
200		243	2.4%
202		7	0.1%
204		20	0.2%
205		26	0.3%
206		9	0.1%
208		1	0%
210		146	1.5%
211		2	0%
212		9	0.1%
214		5	0.1%
215		1	0%
216		3	0%
218		2	0%
220		84	0.8%
221		1	0%
224		7	0.1%
225		5	0.1%
226		1	0%

228		1	0%
230		50	0.5%
232		5	0.1%
234		1	0%
236		4	0%
240		193	1.9%
242		2	0%
243		1	0%
244		5	0.1%
246		3	0%
247		2	0%
248		5	0.1%
250		247	2.5%
251		1	0%
252		18	0.2%
254		5	0.1%
255		13	0.1%
256		22	0.2%
258		7	0.1%
260		75	0.8%
262		6	0.1%
265		1	0%
270		48	0.5%
272		5	0.1%
274		4	0%
275		4	0%
276		3	0%
278		2	0%
280		177	1.8%
282		18	0.2%
284		2	0%
285		1	0%
286		1	0%
290		19	0.2%
292		2	0%
294		1	0%
300		278	2.8%
302		1	0%
304		3	0%

305		2	0%
306		5	0.1%
307		3	0%
308		3	0%
310		44	0.4%
312		5	0.1%
313		2	0%
314		2	0%
315		4	0%
316		1	0%
320		106	1.1%
324		2	0%
326		3	0%
328		6	0.1%
330		143	1.4%
334		3	0%
336		1	0%
338		1	0%
340		204	2%
342		112	1.1%
344		12	0.1%
346		4	0%
348		1	0%
350		96	1%
352		3	0%
354		6	0.1%
356		1	0%
360		69	0.7%
362		1	0%
364		3	0%
365		4	0%
367		1	0%
370		40	0.4%
372		7	0.1%
374		6	0.1%
375		11	0.1%
376		4	0%
378		4	0%
380		32	0.3%

382		1	0%
384		1	0%
385		1	0%
386		3	0%
389		2	0%
390		20	0.2%
396		2	0%
398		1	0%
400		292	2.9%
402		2	0%
404		1	0%
405		1	0%
408		3	0%
410		297	3%
412		3	0%
414		2	0%
416		1	0%
420		72	0.7%
422		3	0%
423		2	0%
424		2	0%
425		2	0%
426		5	0.1%
428		5	0.1%
430		12	0.1%
436		2	0%
438		2	0%
440		41	0.4%
442		1	0%
450		46	0.5%
451		1	0%
452		1	0%
454		1	0%
460		23	0.2%
462		1	0%
465		5	0.1%
468		1	0%
470		2	0%
474		1	0%

475		1	0%
476		1	0%
480		51	0.5%
483		1	0%
487		1	0%
488		3	0%
490		10	0.1%
492		3	0%
494		2	0%
495		3	0%
496		3	0%
498		1	0%
499		1	0%
500		140	1.4%
504		3	0%
508		1	0%
510		25	0.3%
511		2	0%
512		25	0.3%
513		5	0.1%
514		3	0%
516		4	0%
520		18	0.2%
525		1	0%
530		8	0.1%
540		12	0.1%
544		1	0%
550		28	0.3%
552		1	0%
555		3	0%
560		41	0.4%
570		2	0%
572		1	0%
576		2	0%
580		8	0.1%
582		1	0%
584		1	0%
590		5	0.1%
600		182	1.8%

606		1	0%
610		13	0.1%
612		11	0.1%
614		12	0.1%
615		14	0.1%
616		1	0%
620		17	0.2%
624		2	0%
630		5	0.1%
640		27	0.3%
644		1	0%
645		3	0%
646		1	0%
650		11	0.1%
654		1	0%
656		1	0%
660		46	0.5%
666		1	0%
670		1	0%
675		1	0%
680		55	0.6%
682		2	0%
684		41	0.4%
686		1	0%
688		6	0.1%
696		1	0%
700		104	1%
704		1	0%
708		1	0%
716		2	0%
720		17	0.2%
724		9	0.1%
730		1	0%
740		7	0.1%
747		1	0%
750		25	0.3%
760		5	0.1%
770		2	0%
780		6	0.1%

782		1	0%
794		2	0%
800		120	1.2%
810		4	0%
815		1	0%
820		171	1.7%
824		1	0%
830		2	0%
834		1	0%
840		31	0.3%
850		34	0.3%
854		2	0%
860		7	0.1%
866		1	0%
875		1	0%
880		6	0.1%
884		1	0%
900		162	1.6%
910		2	0%
916		1	0%
920		1	0%
924		1	0%
925		2	0%
930		4	0%
940		3	0%
950		49	0.5%
960		10	0.1%
965		2	0%
970		5	0.1%
975		1	0%
980		3	0%
990		7	0.1%
998		2	0%
1000		96	1%
1010		1	0%
1016		1	0%
1020		33	0.3%
1022		4	0%
1023		3	0%

1024		16	0.2%
1025		37	0.4%
1026		7	0.1%
1030		4	0%
1035		2	0%
1040		3	0%
1048		4	0%
1050		13	0.1%
1060		2	0%
1072		4	0%
1080		27	0.3%
1100		21	0.2%
1110		19	0.2%
1120		4	0%
1126		1	0%
1130		1	0%
1140		1	0%
1150		4	0%
1160		2	0%
1170		1	0%
1180		2	0%
1190		3	0%
1196		1	0%
1200		57	0.6%
1210		3	0%
1220		9	0.1%
1224		1	0%
1230		65	0.7%
1240		3	0%
1250		2	0%
1260		3	0%
1270		9	0.1%
1272		1	0%
1300		18	0.2%
1340		1	0%
1350		5	0.1%
1360		6	0.1%
1368		3	0%
1370		1	0%

1400		17	0.2%
1410		3	0%
1430		2	0%
1432		2	0%
1435		1	0%
1440		5	0.1%
1450		1	0%
1480		3	0%
1500		25	0.3%
1520		4	0%
1550		3	0%
1600		13	0.1%
1640		7	0.1%
1650		1	0%
1664		1	0%
1665		1	0%
1700		3	0%
1710		9	0.1%
1750		3	0%
1800		7	0.1%
1850		1	0%
1900		7	0.1%
1920		1	0%
2000		13	0.1%
2020		1	0%
2030		2	0%
2050		10	0.1%
2100		3	0%
2150		1	0%
2200		4	0%
2223		1	0%
2250		4	0%
2400		1	0%
2420		2	0%
2460		1	0%
2500		1	0%
2600		1	0%
2700		1	0%
2800		4	0%

2840		1	0%
2900		1	0%
3210		1	0%
3280		1	0%
4000		5	0.1%
4010		2	0%
4100		3	0%
4200		2	0%
5000		1	0%
5600		1	0%
6000		1	0%
8200		1	0%
Sysmiss		11	

Description

DEFINITION

To be filled if Chemical fertilizer is applied

ORGANIC: ORGANIC FERTILIZER IF APPLIED (KG)

Data file: 2008_09maha

Overview

Valid: 9788 Invalid: 191 Minimum: 0 Maximum: 9999 Mean: 538.854 Standard deviation: 1435.842
 Type: Discrete Decimal: 0 Width: 4 Range: 0 - 9999 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		6993	71.4%
1		1	0%
10		1	0%
12		1	0%
16		1	0%
20		14	0.1%
24		2	0%
30		5	0.1%
36		1	0%
40		30	0.3%

50		15	0.2%
60		28	0.3%
61		2	0%
70		31	0.3%
74		1	0%
80		35	0.4%
90		6	0.1%
91		2	0%
100		113	1.2%
110		1	0%
112		1	0%
120		28	0.3%
125		6	0.1%
140		11	0.1%
150		34	0.3%
160		13	0.1%
170		1	0%
171		1	0%
180		1	0%
186		1	0%
190		1	0%
200		166	1.7%
210		2	0%
220		4	0%
240		15	0.2%
250		18	0.2%
260		1	0%
280		4	0%
300		61	0.6%
310		1	0%
320		1	0%
340		5	0.1%
350		11	0.1%
360		5	0.1%
375		1	0%
400		124	1.3%
405		1	0%
420		3	0%
440		1	0%

450		6	0.1%
460		1	0%
480		1	0%
500		138	1.4%
520		2	0%
530		1	0%
540		1	0%
550		1	0%
560		6	0.1%
569		1	0%
580		1	0%
600		62	0.6%
630		1	0%
650		3	0%
680		2	0%
700		24	0.2%
750		9	0.1%
760		1	0%
800		65	0.7%
840		3	0%
900		17	0.2%
930		1	0%
1000		263	2.7%
1016		1	0%
1022		2	0%
1060		1	0%
1070		1	0%
1100		6	0.1%
1120		9	0.1%
1200		57	0.6%
1220		13	0.1%
1250		4	0%
1300		8	0.1%
1400		23	0.2%
1450		1	0%
1500		71	0.7%
1600		54	0.6%
1624		1	0%
1680		3	0%

1700		14	0.1%
1780		1	0%
1800		6	0.1%
1900		2	0%
2000		353	3.6%
2100		1	0%
2200		7	0.1%
2220		2	0%
2240		38	0.4%
2400		36	0.4%
2430		1	0%
2500		11	0.1%
2600		7	0.1%
2700		1	0%
2750		1	0%
2800		5	0.1%
3000		106	1.1%
3200		8	0.1%
3280		1	0%
3306		1	0%
3360		5	0.1%
3400		3	0%
3460		1	0%
3500		6	0.1%
3600		5	0.1%
3860		1	0%
4000		214	2.2%
4200		2	0%
4400		3	0%
4440		1	0%
4480		12	0.1%
4500		3	0%
4600		2	0%
4800		2	0%
4900		1	0%
5000		53	0.5%
5200		1	0%
5600		2	0%
6000		45	0.5%

6100		1	0%
6200		1	0%
6400		2	0%
6500		2	0%
6600		5	0.1%
6660		2	0%
6720		1	0%
6880		1	0%
7000		16	0.2%
7200		2	0%
7600		1	0%
8000		28	0.3%
8300		1	0%
8400		4	0%
8500		2	0%
8800		2	0%
9000		32	0.3%
9200		2	0%
9400		1	0%
9600		1	0%
9910		1	0%
9990		2	0%
9999		44	0.4%
Sysmiss		191	

Description

DEFINITION

To be filled if Organic fertilizer is applied

WEEDING: WEEDING

Data file: 2008_09maha

Overview

Valid: 9979 Invalid: 0

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	0	63	0.6%
1	Hand weeding	1841	18.4%
2	Using weedisides	7429	74.4%
3	By the use of water	165	1.7%
4	No weeding	481	4.8%

INSECTICIDES: INSECTICIDES

Data file: 2008_09maha

Overview

Valid: 9963 Invalid: 16

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	0	94	0.9%
1	Used	6373	64%
2	Not used	3496	35.1%
Sysmiss		16	

FUNGICIDES: FUNGICIDES

Data file: 2008_09maha

Overview

Valid: 9952 Invalid: 27

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

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	0	204	2%
1	Used	2734	27.5%
2	Not used	7014	70.5%
Sysmiss		27	

DAMAGE: ADVERSE AFFECTS ON CROP

Data file: 2008_09maha

Overview

Valid: 9935 Invalid: 44

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

Questions and instructions

QUESTION PRETEXT

Codes 1,2,3,4 or 5 should be encircled only if the parcel was severely affected and it was not harvested.

CATEGORIES

Value	Category	Cases	
0	0	404	4.1%
1	Seed fauilure	8	0.1%
2	Drought	11	0.1%
3	Flood	0	0%
5		2	0%
6		7469	75.2%
7		2041	20.5%
Sysmiss		44	

RECN: RECORD NO

Data file: 2008_09maha

Overview

Valid: 9727 Invalid: 252 Minimum: 0 Maximum: 5123 Mean: 98.6 Standard deviation: 155.619

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 4444 Format: Numeric

YIELD: YIELD

Data file: 2008_09maha

Overview

Valid: 9882 Invalid: 97

Type: Discrete Decimal: 0 Width: 5 Range: - Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		6224	63%
0.09		1	0%

0.12		1	0%
0.16		2	0%
0.22		1	0%
0.28		3	0%
0.31		1	0%
0.38		2	0%
0.41		3	0%
0.44		1	0%
0.53		2	0%
0.56		5	0.1%
0.59		1	0%
0.63		1	0%
0.69		3	0%
0.72		1	0%
0.78		2	0%
0.81		2	0%
0.88		3	0%
0.91		1	0%
0.97		1	0%
1.03		1	0%
1.78		1	0%
2		1	0%
2.03		1	0%
2.28		1	0%
2.34		1	0%
2.53		1	0%
3		1	0%
3.03		1	0%
3.14		1	0%
3.19		1	0%
3.5		1	0%
3.53		1	0%
4.13		1	0%
4.25		1	0%
4.28		1	0%
4.5		2	0%
4.53		1	0%
4.59		1	0%
4.69		1	0%

4.88		1	0%
5		1	0%
5.25		1	0%
5.31		2	0%
5.34		1	0%
5.38		2	0%
5.47		1	0%
5.5		1	0%
5.63		1	0%
5.66		2	0%
5.75		3	0%
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6.19		2	0%
6.28		3	0%
6.38		3	0%
6.41		2	0%
6.44		1	0%
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6.53		2	0%
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6.69		1	0%
6.75		4	0%
6.81		2	0%
6.84		2	0%
6.94		1	0%
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7.03		1	0%
7.06		1	0%
7.09		3	0%
7.13		2	0%
7.16		2	0%
7.19		2	0%
7.24		1	0%

7.25		3	0%
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7.41		2	0%
7.44	7.44	3	0%
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7.53		1	0%
7.56		1	0%
7.59	7.59	2	0%
7.63		2	0%
7.66	7.66	3	0%
7.69		2	0%
7.72		1	0%
7.75		3	0%
7.78		2	0%
7.81		1	0%
7.88	7.88	1	0%
7.91		1	0%
8	8	4	0%
8.03		2	0%
8.06		3	0%
8.09		1	0%
8.12		1	0%
8.13		3	0%
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9.59		1	0%
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9.69		1	0%
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9.78		1	0%
9.81		2	0%

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9.91		1	0%
9.94		1	0%
9.97		2	0%
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10.81		4	0%
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10.94		1	0%
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11.06		7	0.1%
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20.06		18	0.2%
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25.94		2	0%

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26.94		1	0%
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27.03		2	0%
27.05		4	0%
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27.31		1	0%
27.34		1	0%
27.38		3	0%
27.41		1	0%
27.44		1	0%
27.5		1	0%
27.53		9	0.1%
27.56		3	0%
27.59		1	0%
27.63		1	0%
27.69		1	0%
27.75		4	0%
27.78		1	0%
27.81		3	0%
27.84		1	0%
27.88		3	0%
27.91		3	0%
28		8	0.1%
28.03		3	0%
28.05		2	0%
28.06		2	0%
28.09		2	0%
28.1		1	0%
28.13		4	0%
28.16		1	0%
28.19		2	0%
28.25		8	0.1%
28.28		4	0%
28.31		1	0%
28.34		2	0%
28.38		2	0%
28.44		3	0%
28.5		7	0.1%
28.53		5	0.1%
28.56		2	0%

28.63		5	0.1%
28.66		3	0%
28.69		4	0%
28.72		1	0%
28.75		5	0.1%
28.78		4	0%
28.81		1	0%
28.84		4	0%
28.88		3	0%
28.94		2	0%
28.97		2	0%
29		4	0%
29.03		1	0%
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29.06		2	0%
29.13		2	0%
29.16		2	0%
29.25		4	0%
29.28		4	0%
29.31		1	0%
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29.38		4	0%
29.41		1	0%
29.53		1	0%
29.56		2	0%
29.63		2	0%
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29.75		2	0%
29.81		1	0%
29.88		1	0%
29.89		1	0%
29.94		1	0%
30		3	0%
30.03		2	0%
30.05		1	0%
30.06		3	0%
30.13		1	0%
30.16		2	0%
30.19		1	0%

30.25		2	0%
30.31		2	0%
30.34		1	0%
30.38		1	0%
30.41		1	0%
30.44		1	0%
30.5		2	0%
30.56		1	0%
30.59		3	0%
30.63		1	0%
30.66		2	0%
30.72		1	0%
30.75		1	0%
30.78		1	0%
30.81		1	0%
30.88		1	0%
30.91		1	0%
31		3	0%
31.03		1	0%
31.05		3	0%
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31.22		1	0%
31.25		4	0%
31.28		1	0%
31.34		1	0%
31.41		1	0%
31.5		2	0%
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31.63		2	0%
31.66		1	0%
31.72		2	0%
31.91		2	0%
31.94		1	0%
32		1	0%
32.03		2	0%
32.05		1	0%
32.09		1	0%

32.13		2	0%
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32.81		1	0%
32.91		1	0%
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34.13		1	0%
34.31		1	0%
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35.84		1	0%
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36.05		1	0%
36.09		1	0%
36.5		1	0%
36.53		1	0%
36.63		1	0%
36.66		1	0%
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37.84		2	0%
38		1	0%
38.75		1	0%
38.81		1	0%
39		2	0%
39.16		1	0%
39.25		1	0%
39.63		1	0%
40.03		1	0%
40.25		2	0%
40.66		1	0%
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41.59		1	0%
45.28		1	0%
46.06		1	0%
50.25		1	0%
57		1	0%
61.17		1	0%
92.5		1	0%
Sysmiss		97	

SN: SERIAL NO**Data file: 2008_09maha****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 5 Range: - Format: character

Download related resources

Questionnaires

Crop Estimation Survey on Paddy - Survey Schedule

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

Technical documents

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

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

Other materials

Crop Estimation Survey on Paddy - Preliminary Cultivator Information Collecting Form

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

Crop Estimation Survey on Paddy - Cultivators Selected for Survey

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

Crop Estimation Survey on Paddy - Quality Checking Report

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

Study Documentation of CESP(M)09 Project

Title Study Documentation of CESP(M)09 Project
Filename Study Documentation of CESP(M)09 Project.pdf

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

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

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

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

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

District Codes List for Crop Estimation Survey of Paddy

Title District Codes List for Crop Estimation Survey of Paddy

Filename District Codes List.xls
