



GOVERNMENT OF KERALA

ANNUAL REVIEW OF CROP STATISTICS SYSTEM IN KERALA
THROUGH THE SCHEME FOR IMPROVEMENT OF CROP STATISTICS
2012-2013



DEPARTMENT OF ECONOMICS AND STATISTICS
KERALA



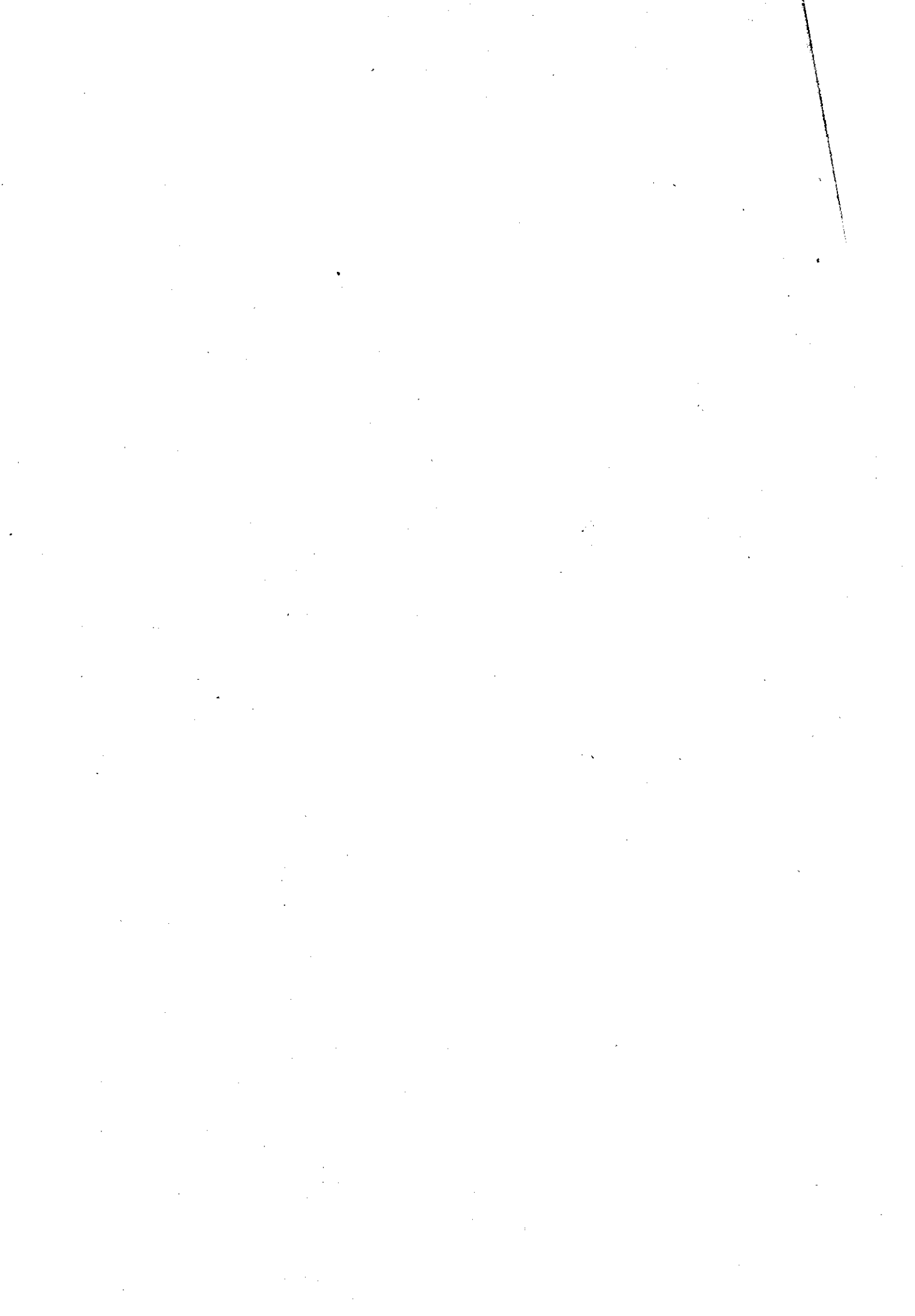
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DEPARTMENT OF ECONOMICS & STATISTICS, KERALA

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PREFACE

The Ministry of Agriculture and Co-operation, Government of India is implementing the scheme on Improvement of Agriculture Statistics for the Collection of Agriculture Statistics. The components of the scheme are Timely Reporting Scheme (TRS), Establishment of an Agency for Reporting Agricultural Statistics (EARAS), Improvement of Crop Statistics (ICS) and Crop Estimation Survey on Fruits and Vegetables (CES-F&V). In Kerala, the scheme on EARAS and ICS are being implemented annually for the collection of data on Agricultural Statistics.

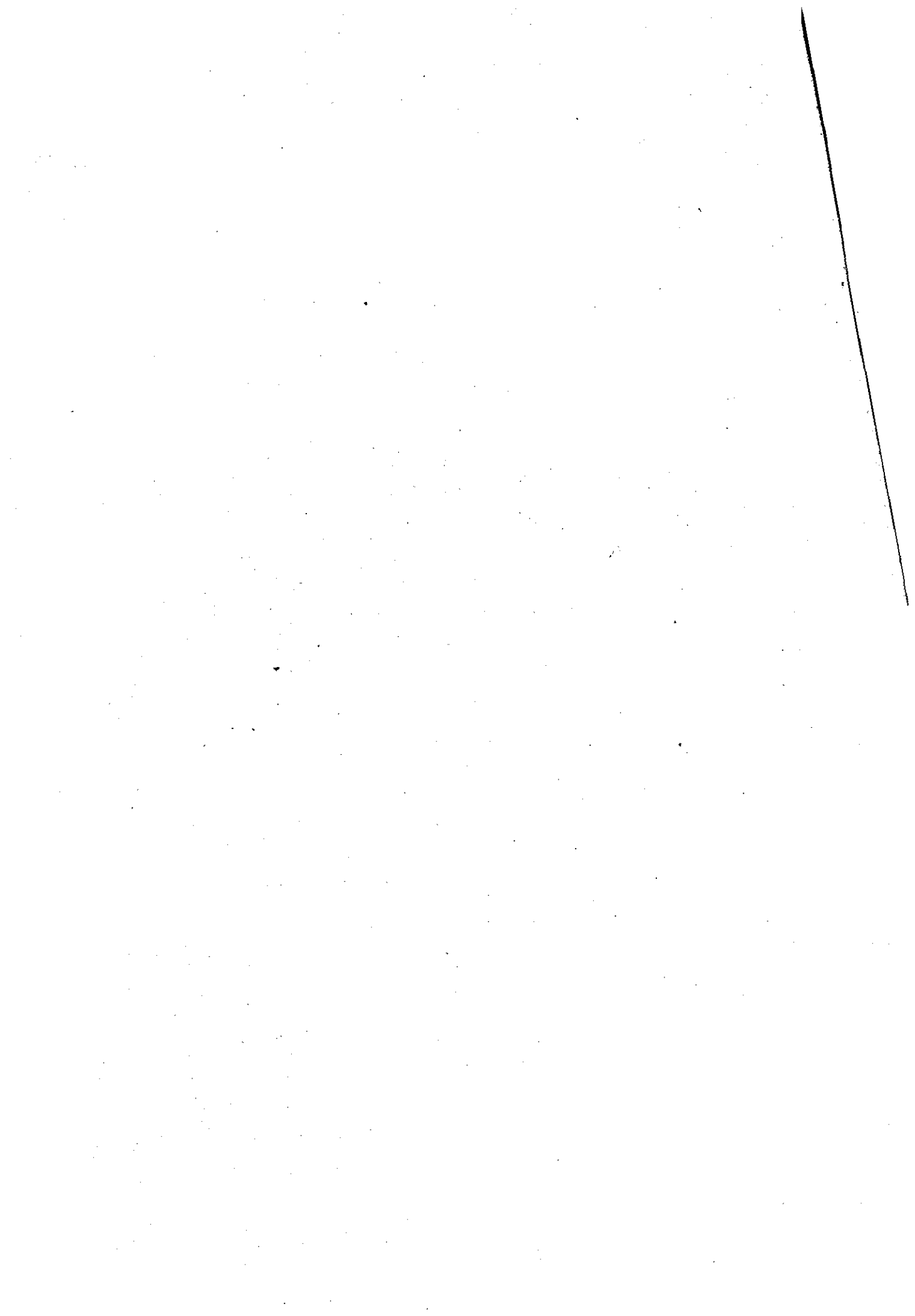
The Scheme on Improvement of Crop Statistics is implemented in the State jointly by the efforts of National Sample Survey Office and the State Agricultural Statistics Authority (Department of Economics & Statistics).

The Annual Review report on ICS for 2012-13 is prepared by the Sample Check unit functioning in the EARAS section of the Directorate of Economics and Statistics, Government of Kerala. In this Connection I express my sincere gratitude to Sri. M.Muraleedharan (Addl. Director), Sri.K.Damodaran (Joint Director), Smt. Renuka K. K (Assistant Director), Smt. P. PrabhaKumari (Research Assistant), Smt. Shiny Joseph and Sri. Sajimon K. S (Statistical Assistants- Grade I) for their sincere efforts in the Preparation and Publication of this Report.

V. RAMACHANDRAN
DIRECTOR GENERAL

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I. INTRODUCTION

Scheme for Improvement of Crop Statistics (ICS)

The scheme Improvement of Crop Statistics was introduced from Rabi I season of 1973-74 with the main objective of improving the quality and reliability of area and yield statistics by locating deficiencies in the state system and suggest remedial measures through the joint efforts of the Field Operation Division of National Sample Survey Office (FOD), Government of India (GOI) and State Agricultural Statistics Authorities (SASA). The primary responsibility for the collection of data on crop statistics rests with the State Government. Crop statistics has two major components, area sown and average yield. Land use statistics is being collected by Area Enumeration Survey. The yield rates of principal crops are estimated through General Crop Estimation Survey.

This report contains full account of the current position of estimation of crop production, the procedures followed for enumeration of area and yield and the steps to be taken for improving the system for the year 2012-13. The report also gives the position of training to staff entrusted with crop cutting work, the equipment supplied to them, the adequacy of experiments planned under General Crop Estimation Survey (GCES), the response rate etc. Besides, the findings of sample checks under ICS scheme on the working of the system are also brought out indicating the remedial measures to rectify the deficiencies observed. It also provides comparison of estimates of yield of crops based on sample checks under the scheme for Improvement of Crop Statistics and General Crop Estimation Survey.

1. District Level Committees (DLC)

District Level Committees are also functioning in the State with representatives of NSSO and State Government (DES). This committee discusses the reasons for large differences/ no differences between the entries made by supervisor and primary worker in area enumeration.

2. The Scheme for Improvement of Crop Statistics (ICS)

The scheme accomplishes its objectives by conducting sample check on the primary fieldwork through

- (1) Physical verification of the crop enumeration done by the investigator in a sample of 80 IV zones in each season.
- (2) Checking the aggregation of crop wise area in the Form I diary and
- (3) Inspection of crop cutting experiments at harvest stage in an agricultural year.

The sample checks are undertaken by the supervisory staff of NSSO (FOD) and the Supervisory staff of DES (ADOs) on matching basis in two non-overlapping sample. The basic data collected through these sample checks are being exchanged between the two agencies.

Three schedules viz., AS 1.0, AS 1.1 and AS 2.0 are used for recording the findings of sample checks on (a) area enumeration (b) area aggregation and (c) crop cutting experiment respectively. The filled in schedules are sent to both agencies on reciprocal basis for tabulation and analysis.

The programme of sample check on area enumeration consists of selecting and locating a sample of 4 clusters in each selected IV zone with the help of village maps and recording actual utilization to which land under survey numbers are put during each season and comparing these with the corresponding entries made by the investigator in respect of these clusters.

The programme of sample check on area aggregation consists of finding out the totals of area figures recorded by the investigator under different utilization in form I diary maintained by him and comparing them with the totals arrived by the supervisor.

The concurrent inspection of crop cutting experiments at harvest stage consists of examining whether the conduct of the experiments by the investigator conforms to the procedures prescribed under GCES. The inspection covers aspects such as selection of fields and random coordinates, marking of experimental plots of specified shape and size, harvesting of plants, weighing of the produce etc. In addition, the position regarding the supply and use of equipments for conducting the experiments, training received by the primary workers, crop condition, use of inputs etc. are also ascertained.

The data collected through the sample check are analysed facilitating factual appraisal of the system with reference to the following.

- (1) Timeliness in completion of area enumeration and working of the EARAS Scheme
- (2) Discrepancies in recording a crop area, their frequency and impact.
- (3) Discrepancies in recording ancillary information, their frequency and impact.
- (4) Discrepancies in crop abstract statement and their impact.
- (5) Departures from the prescribed procedure for conducting crop cutting experiments and their impact.

The yield data from the supervised experiments are also used for obtaining the average yield rates of specified crops and their standard errors. The calculation of standard errors and their study is helpful in assessing the adequacy of the sample size, trend of changes in yield rates and in planning other allied studies.

Analysis of Data 2012-13

II. Check on Area Enumeration and Area Aggregation

Every year 80 Investigator Zones each under the Central and State samples are selected for sample check on Area Enumeration and Area Aggregation. The sample checks are conducted immediately after the completion of area enumeration survey under EARAS scheme.

1. Response in Sample Check on Enumeration of Area during 2012-13

The response in sample check on area enumeration i.e., the number of IV zones for which filled in schedules were received during 2012-13 is given in Table 1. The response was 98.75% during Autumn and 100% during Winter and Summer seasons for Central samples and 96.25% during Autumn and 98.75% during Winter and 96.25% during Summer seasons for State samples. Response is 100% in all districts (all seasons) except Kollam, Idukki and Kannur districts.

2. Completion of Area enumeration under EARAS.

Under EARAS, the Investigator is required to complete enumeration of area in each season according to a prescribed time schedule and also to submit EARAS statement to higher authorities immediately on completion of enumeration work. The sample checks are conducted after the completion of area enumeration and entire work is completed within one month. Provision exists in schedule AS 1.0 for collecting information on the due and actual dates of completion of area enumeration as well as the submission of EARAS statement.

Timeliness in completion of area enumeration during 2012-13 is given in Table – 2: 97.47%, 97.50% and 95% cases for Central sample and 100%, 92.4% and 92.2% cases for State sample were completed girdawari in time during Autumn, Winter and Summer seasons respectively. 1.25% and 3.75% cases for Central sample during Winter and Summer seasons and 5.1% & 7.8% cases for State sample during Winter & Summer season reported that the area enumeration has completed after the due date. 2.53% cases during autumn season and 1.25% during Winter and Summer season for the central sample has not reported to the date of completion of area enumeration. In the state sample 2.5% case has not reported to the date of completion of area enumeration during Winter Season.

3. Submission of EARAS Statement

The details of season wise submission of EARAS statements during 2012-13 are indicated in Table 3. Timely submission of these statements still needs considerable improvement in almost all districts except Trivandrum.

4. Discrepancies in recording crop and crop areas

Details of crop and its area reported by the Investigator in the state system and with the corresponding entries made by the technical personnel associated with the ICS programme reveal the following types of discrepancies.

- (1) Non-reporting of crops actually grown (E1)
- (2) Reporting of crops actually not grown (E2)
- (3) Reporting of incorrect area of crops (E3)

The percentage of Survey nos. in which different types of discrepancies in recording paddy area by the investigator during Autumn, Winter and Summer for the year 2012-13 are given in Table 4.

The most predominant error observed was that of not recording the crop actually grown in the field (E1) in the State sample. Reporting of crops actually not grown in the field (E2) was not reported in the State Sample. Reporting of incorrect area of crops (E3) were found high in Kollam, Alappuzha, Idukki, Ernakulam, Palakkad, Kozhikode and Kannur districts in Autumn season, Thiruvananthapuram, Kollam, Idukki, Palakkad, Malappuram, Kozhikode, Wayanad & Kannur districts in Winter season.

5. Discrepancies in recording variety particulars of seed used

Information on distribution of survey numbers as per the type of seed used for paddy during Autumn, Winter and Summer is given in Table 5(a), 5(w) and 5(s) respectively. There were no discrepancies in recording variety particulars of seed used for State samples during Autumn, Winter and Summer seasons.

III. Check on Crop Cutting Experiment

1. Sample Check on Crop Cutting Experiments.

Table 6 reflects the number of experiments planned and percentage response achieved under the sample checks on crop cutting experiments in each district during different seasons of the year 2012-13. The response position of paddy was 98% for Central Samples during Autumn, Winter and Summer seasons and 99% during Autumn and Winter season and 94% during Summer seasons for State samples.

2. Distribution of number of experiments conducted by important inputs

Table 7(i), 7(ii) and 7(iii) shows the details of distribution of paddy crop cutting experiments conducted according to the percentage of experiments irrigated, sown with high yielding varieties of seeds and applied with fertilizer. In the programme of sample check under ICS on crop cutting experiments, particular emphasis has been given to ensure that supervisors are invariably present at the harvest stage to inspect the technique and procedure adopted by the Investigators, and provide support and guidance wherever necessary. The extent of participation at harvest stage is presented in the tables. Central personnel were able to participate in the programme at harvest stage to the extent of 98%, 99% and 98 % during Autumn, Winter and Summer seasons respectively and the State personnel's participation was 99%, 98% and 94% during Autumn, Winter and Summer for all the three seasons for Paddy 2012-13 . The extent of participation at harvest stage is cent percent for State & Central personnel for the crops Tapioca, Pepper, Coconut and Arecanut [Tables 7(iv),7(v), 7(vii) & 7(viii)] and the state personnel's participation was 96% for the crop Banana [Table 7(vi)] and cent percent for Central personnel during 2012-13.

3. Procedural Deviations and Discrepancies

Particulars gathered during the visit of technical personnel are used to assess the extent to which the procedural guidelines prescribed for the conduct of crop cutting experiments were observed by the statistical investigators.

Incidences of deviation and departures observed during the Sample Check Programme for each crop are:

- E1 – Error in selection of survey/ sub-survey numbers
- E2 – Error in selection of field within survey/ sub-survey numbers
- E3 – Error in reporting seed variety
- E4 – Error in reporting of seed rate.
- E5 – Error in reporting irrigation particulars
- E6 – Error in reporting application of fertilizers
- E7_ Error in reporting application of manures
- E8 – Error in reporting application of pesticides
- E9_ Error in reporting measurement of field
- E10_ Error in checking random numbers
- E11_ Error in location of plots
- E12_ Error in plot dimensions
- E13_ Error in weighing of produce
- E14_ Inadequate arrangement for storing the produce for drying
- E15_ Error in reporting proportion of experimental crops in mixture/ wrong reporting of constituents in mixture and
- E16_ any one of the items missing

4. Supply and use of Crop Cutting Equipments

Information on supply and use of crop cutting equipments such as Tapes, Pegs, Balance and set of Weights collected during the Sample Checks Survey 2012-13 is presented in Tables 16 (i) & 16(ii). The primary workers were not supplied with

essential items of equipments is reported in many cases during 2012-13. The supplied equipments were not carried to the field for the conduct of crop cutting experiments to a large extent in most of the Districts.

IV. Estimation on Average Yield Rates

Estimated yield rates of high yielding and other varieties of crops for irrigated and unirrigated categories and crop-wise rate of application of fertilizers and differential yield rates according to inputs for paddy during Autumn, Winter and Summer for Central and State samples are given in the Tables.

Crop wise number of experiments planned for check at harvest and the response achieved, variety wise estimated yield rates for irrigated and unirrigated categories, crop-wise rate of application of fertilizers and yield rates according to inputs for Central and State samples for the whole year crops Banana, Tapioca, Coconut, Pepper and Arecanut are given in the Tables.

V. Comparison of ICS and GCES yield Estimates

The yield rates of rice under ICS and GCES during the year 2012-13 for district level for Central and State samples are given in Table 17(i). Trend of yield rate for Rice under ICS and GCES during Autumn, Winter and Summer for the year 2012-13 are given in Chart 1, 2 and 3 respectively. State wise yield rate under GCES and ICS for paddy is given in Chart 4.

Yield rates of rice under ICS are higher as compared to GCES for State and Central samples during three seasons.

The yield rates of important crops under GCES and ICS for the year 2012-13 is given in Table 17(ii) & 17(iii). A graphical representation of yield rates of Tapioca, Banana, Coconut, Pepper and Arecanut are given in Chart 5 to 9. A graphical representation of state-wise yield rates of important crops during the year 2012-13 is given in Chart 10.

Table-1

RESPONSE IN SAMPLE CHECK ON ENUMERATION OF AREA DURING 2012-13

Sl.No.	District	Agency	Sample Size	Percentage of Response		
				Autumn	Winter	Summer
1	2	3	4	5	6	7
1	Thiruvananthapuram	c	5	100	100	100
		s	5	100	100	100
2	Kollam	c	5	100	100	100
		s	5	100	100	100
3	Pathanamthitta	c	3	100	100	100
		s	3	100	100	100
4	Alappuzha	c	3	100	100	100
		s	3	100	100	100
5	Kottayam	c	6	100	100	100
		s	6	100	100	100
6	Idukki	c	9	100	100	100
		s	9	66.67	100	66.67
7	Ernakulam	c	5	100	100	100
		s	5	100	100	100
8	Thrissur	c	5	100	100	100
		s	5	100	100	100
9	Palakkad	c	10	100	100	100
		s	10	100	100	100
10	Malappuram	c	7	100	100	100
		s	7	100	100	100
11	Kozhikkode	c	6	100	100	100
		s	6	100	100	100
12	Wayanad	c	6	100	100	100
		s	6	100	100	100
13	Kannur	c	6	100	100	100
		s	6	100	83.33	100
14	Kasaragod	c	4	100	100	100
		s	4	100	100	100
For District Covered		c	80	98.75	100	100
		s	80	96.25	98.75	96.25

C - Central Sample

S - State Sample

Table-2

TIMELINESS IN COMPLETION OF GIRDAWARI DURING 2012-13

Sl. No.		Agency	Percentage of villages where Girdawari was completed during										
			Autumn				Winter				Summer		
			In Time	Late	But date of completion not known	Partially completed	In Time	Late	But date of completion not known	Partially completed	In Time	Late	But date of completion not known
1	2	3	4	5	6	7	8	9	10	11	12		
1	Thiruvananthapuram	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
2	Kollam	C	100	0	0	0	100	0	0	0	80	20	0
		S	100	0	0	0	100	0	0	0	40	60	0
3	Pathanamthitta	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
4	Alappuzha	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	0	100	0
5	Kottayam	C	83.33	0	16.67	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
6	Idukki	C	88.89	0	11.11	0	100	0	0	0	77.78	22.22	0
		S	100	0	0	0	100	0	0	0	100	0	0
7	Eranakulam	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
8	Thrissur	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
9	Palakkad	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
10	Malappuram	C	100	0	0	0	85.71	14.29	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
11	Kozhikkode	C	100	0	0	0	100	0	0	0	83.33	0	16.67
		S	100	0	0	0	100	0	0	0	100	0	0
12	Wayanad	C	100	0	0	0	83.33	0	16.67	0	100	0	0
		S	100	0	0	0	66.67	0	33.33	0	100	0	0
13	Kannur	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
14	Kasaragod	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	0	100	0	0	100	0	0
For District Covered		C	97.47	0	2.53	0	97.50	1.25	1.25	0	95	3.75	1.25
		S	100	0	0	0	92.4	5.1	2.5	0	92.2	7.8	0

C - Central Sample

S - State Sample

Table-3
TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2012-13

Sl. No.	District	Season	AGENCY	Percentage of villages for which									
				EARAS Statement Submitted					EARAS Statement not Submitted				
				Without completing Girdawari		After completing Girdawari		Information regarding date of submission not known	Though Girdawari completed	Girdawari not completed	Information regarding EARAS submission not available		
				By due date	After due date	By due date	After due date						
1	2	3	4	5	6	7	8	9	10	11	12		
1	Thiruvananthapuram	Autumn	c	0	0	100	0	0	0	0	0	0	
			s	0	0	100	0	0	0	0	0	0	
		Winter	c	0	0	100	0	0	0	0	0	0	0
			s	0	0	100	0	0	0	0	0	0	0
		Summer	c	0	0	100	0	0	0	0	0	0	0
			s	0	0	100	0	0	0	0	0	0	0
2	Kollam	Autumn	c	0	0	0	100	0	0	0	0	0	
			s	0	0	100	0	0	0	0	0	0	
		Winter	c	0	0	0	100	0	0	0	0	0	0
			s	0	0	0	100	0	0	0	0	0	0
		Summer	c	0	20	0	60	20	0	0	0	0	0
			s	0	0	40	20	40	0	0	0	0	0
3	Pathanamthitta	Autumn	c	0	0	0	100	0	0	0	0	0	
			s	0	0	100	0	0	0	0	0	0	
		Winter	c	0	0	0	100	0	0	0	0	0	0
			s	0	0	100	0	0	0	0	0	0	0
		Summer	c	0	0	0	100	0	0	0	0	0	0
			s	0	0	100	0	0	0	0	0	0	0
4	Alappuzha	Autumn	c	0	0	0	100	0	0	0	0	0	
			s	0	0	0	100	0	0	0	0	0	
		Winter	c	0	0	33.33	66.67	0	0	0	0	0	0
			s	0	0	0	100	0	0	0	0	0	0
		Summer	c	0	0	0	100	0	0	0	0	0	0
			s	0	0	0	100	0	0	0	0	0	0
5	Kottayam	Autumn	c	16.67	0	33.33	50	0	0	0	0	0	
			s	0	0	100	0	0	0	0	0	0	
		Winter	c	0	0	83.33	16.67	0	0	0	0	0	0
			s	0.00	0	100	0	0	0	0	0	0	0
		Summer	c	0	0	33.33	66.67	0	0	0	0	0	0
			s	0	0	66.67	0	33.33	0	0	0	0	0

Table-3 Contd.....

TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2012-13

Sl. No.	District	Season	AGENCY	Percentage of villages for which									
				EARAS Statement Submitted					EARAS Statement not Submitted				
				Without completing Girdawari		After completing Girdawari		Information regarding date of submission not known	Though Girdawari completed	Girdawari not completed	Information regarding EARAS submission not available		
				By due date	After due date	By due date	After due date						
1	2	3	4	5	6	7	8	9	10	11	12		
6	Idukki	Autumn	c	0	0	77.78	22.22	0	0	0	0	0	
			s	0	0	100	0	0	0	0	0	0	
		Winter	c	0	0	77.78	22.22	0	0	0	0	0	0
			s	0	0	100	0	0	0	0	0	0	0
		Summer	c	0	11.11	22.22	66.67	0	0	0	0	0	0
			s	0	0	100	0	0	0	0	0	0	0
7	Ernakulam	Autumn	c	0	0	20	80	0	0	0	0	0	
			s	0	0	0	100	0	0	0	0	0	
		Winter	c	0	0	0	100	0	0	0	0	0	0
			s	0	0	0	100	0	0	0	0	0	0
		Summer	c	0	0	0	60	40	0	0	0	0	0
			s	0	0	0	100	0	0	0	0	0	0
8	Thrissur	Autumn	c	0	0	0	100	0	0	0	0	0	
			s	0	0	100	0	0	0	0	0	0	
		Winter	c	0	0	0	100	0	0	0	0	0	0
			s	0	0	100	0	0	0	0	0	0	0
		Summer	c	0	0	0	100	0	0	0	0	0	0
			s	0	0	100	0	0	0	0	0	0	0
9	Palakkad	Autumn	c	0	0	40	0	0	60	0	0	0	
			s	0	0	100	0	0	0	0	0	0	
		Winter	c	0	0	10	40	0	50	0	0	0	
			s	0	0	100	0	0	0	0	0	0	
		Summer	c	0	0	0	40	0	60	0	0	0	
			s	0	0	100	0	0	0	0	0	0	
10	Malappuram	Autumn	c	0	0	0	85.71	14.29	0	0	0	0	
			s	0	0	0	100	0	0	0	0	0	
		Winter	c	0	14.29	0	71.43	14.29	0	0	0	0	
			s	0	0	0	100	0	0	0	0	0	
		Summer	c	0	0	0	71.43	0	28.57	0	0	0	
			s	0	0	0	85.71	14.29	0	0	0	0	

Table-3 Contd.....

TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2012-13

Sl. No.	District	Season	AGENCY	Percentage of villages for which							
				EARAS Statement Submitted				EARAS Statement not Submitted			
				Without completing Girdawari		After completing Girdawari		Information regarding date of submission not known	Though Girdawari completed	Girdawari not completed	Information regarding EARAS submission not available
				By due date	After due date	By due date	After due date				
1	2	3	4	5	6	7	8	9	10	11	12
11	Kozhikkode	Autumn	c	0	0	16.67	83.33	0	0	0	0
			s	0	0	0	100	0	0	0	0
		Winter	c	0	0	16.67	83.33	0	0	0	0
			s	0	0	0	100	0	0	0	0
		Summer	c	0	0	16.67	83.33	0	0	0	0
			s	0	0	0.00	100	0	0	0	0
12	Wayanad	Autumn	c	16.67	0	0	83.33	0	0.00	0	0
			s	0	0	0	100	0	0	0	0
		Winter	c	0	0	0	100	0	0	0	0
			s	0	0	0	66.67	33.33	0	0	0
		Summer	c	0	0	0	100	0	0	0	0
			s	0	0	0	100	0	0	0	0
13	Kannur	Autumn	c	0	0	0	100	0	0	0	0
			s	0	0	100	0	0	0	0	0
		Winter	c	0	0	0	50	50	0	0	0
			s	0	0	100	0	0	0	0	0
		Summer	c	0	0	0	66.67	0	33.33	0	0
			s	0	0	100	0	0	0	0	0
14	Kasaragod	Autumn	c	0	0	0	100	0	0	0	0
			s	0	0	100	0	0	0	0	0
		Winter	c	0	0	0	0	100	0	0	0
			s	0	25	0	50	25	0	0	0
		Summer	c	0	0	0	25	75	0	0	0
			s	0	0	100	0	0	0	0	0
For District Covered		Autumn	c	2.53	0	25.32	63.29	1.27	7.59	0	0
			s	0	0	64.94	35.06	0	0	0	0
		Winter	c	0	1.25	25.00	57.50	10	6.25	0	0
			s	0	1.266	54.43	40.51	3.8	0	0	0
		Summer	c	0	2.50	12.50	65	7.50	12.5	0	0
			s	0	0	58.44	35.06	6.49	0	0	0

C - Central Sample
S - State Sample

Table-4

**PERCENTAGE OF SURVEY NUMBERS IN WHICH ERRORS IN RECORDING CROP AREAS WERE OBSERVED :
2012-13**

Sl. No.	District	Agency	Percentage of survey numbers with different types of errors in enumeration of area during												
			AUTUMN				WINTER				SUMMER				
			e ₀	e ₁	e ₂	e ₃	e ₀	e ₁	e ₂	e ₃	e ₀	e ₁	e ₂	e ₃	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Thiruvananthapuram	C	100	0	0	0	93.75	6.25	0	0	#				
		S	#				85.71	0	0	14.29	#				
2	Kollam	C	100	0	0	0	66.67	0	0	33.33	#				
		S	85.71	0	0	14.29	94.12	0	0	5.88	#				
3	Pathanamthitta	C	#				100	0	0	0	100	0	0	0	
		S	#				#				100	0	0	0	
4	Alappuzha	C	100	0	0	0	#				93.94	0	0	6.06	
		S	87.5	0	0	12.50	#				100	0	0	0	
5	Kottayam	C	#				66.67	33.3	3	0	0.00	100	0	0	0
		S	0	0	0	100	100	0	0	0	100	0	0	0	0
6	Idukki	C	88.24	0	0	11.76	88	0	0	12	54.55	45.45	0	0	
		S	66.67	0	0	33.33	56	0	0	44	100	0	0	0	
7	Ernakulam	C	100	0	0	0	82.35	11.7	6	0	5.88	100	0	0	0
		S	94.44	0	0	5.56	100	0	0	0	100	0	0	0	
8	Thrissur	C	90	0	0	10	96.15	0	0	3.85	100	0	0	0	
		S	100	0	0	0	100	0	0	0	100	0	0	0	
9	Palakkad	C	100	0	0	0	98.91	0	0	1.09	#				
		S	98.53	0	0	1.47	98.15	0	0	1.85	100	0	0	0	
10	Malappuram	C	100	0	0	0	100	0	0	0.00	#				
		S	100	0	0	0	92.59	0	0	7.41	100	0	0	0	
11	Kozhikkode	C	100	0	0	0	100	0	0	0	#				
		S	83.33	0	0	16.67	92.50	0	0	7.50	100	0	0	0	
12	Wayanad	C	#				59.52	4.76	0	35.71	100	0	0	0	
		S	#				91.23	0	0	8.77	100	0	0	0.00	
13	Kannur	C	100	0	0	0	100	0	0	0	#				
		S	93.55	0	0	6.45	85.42	0	0	14.58	#				
14	Kasaragod	C	100	0	0	0	100	0	0	0	#				
		S	100	0	0	0.00	100	0	0	0.00	100	0	0	0	
For District Covered		C	98.39	0.00	0	1.61	89.46	2.24	0	8.31	90.41	6.85	0	2.74	
		S	94.22	0.00	0.00	5.78	91.06	0	0	8.94	100	0	0	0.00	

C - Central Sample

S - State Sample

- Crop not reported in the selected zones

e₀ - No errore₂ - Reporting of crops actually not growne₁ - Non-reporting of crops actually growne₃ - Reporting incorrect area of crops

Table-5(a)

**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING 2012-13
AUTUMN**

Sl No	District	Agency	Percentage of survey numbers in which particulars												
			Tallied				Not Tallied								
			HY & L	HY	L	Total	Supervisor				Patwari				
							HY	L	NR	Total	HY	L	NR	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Thiruvananthapuram	C	0	100	0	100	0	0	0	0	0	0	0	0	0
		S	#												
2	Kollam	C	0	100	0	100	0	0	0	0	0	0	0	0	0
		S	0	100	0.00	100	0.00	0	0	0.00	0	0.00	0	0.00	0.00
3	Pathanamthitta	C	#												
		S	#												
4	Alappuzha	C	0	100	0.00	100	0	0	0	0	0	0	0	0	
		S	0	100	0	100	0	0	0	0	0	0	0	0	
5	Kottayam	C	#												
		S	0	100	0	100	0	0	0	0	0	0	0	0	
6	Idukki	C	0	100	0	100	0	0	0	0	0	0	0	0	
		S	0	100	0	100	0	0	0	0	0	0	0	0	
7	Ernakulam	C	0	100	0	100	0	0	0	0	0	0	0	0	
		S	0	100	0	100	0	0	0	0	0	0	0	0	
8	Thrissur	C	0	100	0	100	0	0	0	0	0	0	0	0	
		S	0	100	0	100	0	0	0	0	0	0	0	0	
9	Palakkad	C	0	94.38	5.62	100	0	0	0	0	0	0	0	0	
		S	0	77.94	22.06	100	0	0	0	0	0	0	0	0	
10	Malappuram	C	0	100	0	100	0	0.00	0	0.00	0	0	0.00	0.00	
		S	0	50	50	100	0	0	0	0	0	0	0	0	
11	Kozhikkode	C	0	88.89	11.11	100	0	0	0	0	0	0	0	0	
		S	0	100	0.00	100	0	0	0	0	0	0	0	0	
12	Wayanad	C	#												
		S	#												
13	Kannur	C	0	54.55	45.45	100	0	0	0	0	0	0	0	0	
		S	0	93.55	6.452	100	0	0	0	0	0	0	0	0	
14	Kasaragod	C	0	100	0	100	0	0	0	0	0	0	0	0	
		S	0	90	10	100	0	0	0	0	0	0	0	0	
For District Covered		C	0	94.09	5.91	100	0	0.00	0	0.00	0	0	0.00	0.00	
		S	0	88.44	11.56	100	0.00	0	0.00	0.00	0.00	0.00	0	0.00	

C - Central Sample

S - State Sample

- Crop not reported in the selected zones

HY - High Yielding Variety Seed

L - Local Variety Seed

Table-5(w)

DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING 2012-13
WINTER

Sl. No	District	Agency	Percentage of survey numbers in which particulars												
			Tallied				Not Tallied								
							Supervisor					Patwari			
			HY &L	HY	L	Total	HY &L	HY	L	NR	Total	HY	L	NR	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthpuram	C	0	87.50	6.25	93.8	0	0	6.25	0	6.3	6.3	0	0	6.25
		S	0	100.00	0.00	100	0	0	0	0	0	0	0	0	0
2	Kollam	C	0	100.00	0.00	100	0	0	0	0	0	0	0	0	0
		S	0	64.71	35.29	100	0	0	0	0	0	0	0	0	0
3	Pathanam thitta	C	0	100.00	0.00	100	0	0	0	0	0	0	0	0	0
		S	#				#								
4	Alappuzha	C	#				#								
		S	#				#								
5	Kottayam	C	0	66.67	0.00	66.7	0	33	0	0	33	0	0	33	33.3
		S	0	100.00	0.00	100	0	0	0	0	0	0	0	0	0
6	Idukki	C	0	76.00	22.00	98	0	2	0	0	2	0	2	0	2
		S	0	44.00	56.00	100	0	0	0	0	0	0	0	0	0
7	Ernakulam	C	0	88.24	0.00	88.2	0	12	0	0	12	0	0	12	11.8
		S	0	83.33	16.67	100	0	0	0	0	0	0	0	0	0
8	Thrissur	C	0	88.46	11.54	100	0	0	0	0	0	0	0	0	0
		S	0	100.00	0.00	100	0	0	0	0	0	0	0	0	0
9	Palakkad	C	0	84.78	15.22	100	0	0	0	0	0	0	0	0	0
		S	0	72.22	27.78	100	0	0	0	0	0	0	0	0	0
10	Malappuram	C	0	73.68	26.32	100	0	0	0	0	0	0	0	0	0
		S	0	33.33	66.67	100	0	0	0	0	0	0	0	0	0
11	Kozhikkode	C	0	5.00	95.00	100	0	0	0	0	0	0	0	0	0
		S	0	17.50	82.50	100	0	0	0	0	0	0	0	0	0
12	Wayanad	C	0	78.57	16.67	95.2	0	4.8	0	0	4.8	0	0	4.8	4.76
		S	0	78.95	21.05	100	0	0	0	0	0	0	0	0	0
13	Kannur	C	0	64.29	35.71	100	0	0	0	0	0	0	0	0	0
		S	0	58.33	41.67	100	0	0	0	0	0	0	0	0	0
14	Kasaragod	C	0	0	100	100	0	0	0	0	0	0	0	0	0
		S	0	33.33	66.67	100	0	0	0	0	0	0	0	0	0
For District Covered		C	0	75.40	22.04	97.4	0	2.2	0.32	0	2.6	0.3	0.3	1.9	2.56
		S	0	61.45	38.55	100	0	0	0	0	0	0	0	0	0

C - Central Sample

S - State Sample

- Crop not reported in the selected zones

HY - High Yielding Variety Seed

L - Local Variety Seed

Table-5(s)
DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING 2012-13
SUMMER

Sl.	District	Agency	Percentage of survey numbers in which particulars												
			Tallied				Not Tallied								
							Supervisor				Patwari				
			HY&L	HY	L	Total	HY	L	NR	Total	HY	L	NR	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Thiruvananthapuram	C	#												
		S	#												
2	Kollam	C	#												
		S	#												
3	Pathanamthitta	C	0	100	0	100	0	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0	0
4	Alappuzha	C	0	100	0	100	0	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0	0
5	Kottayam	C	0	100	0	100	0	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0	0
6	Idukki	C	0	9.091	45.45	54.55	18.2	27	0	45	0	0	45	45	
		S	0	100	0	100	0	0	0	0	0	0	0	0	
7	Eranakulam	C	0	100	0	100	0	0	0	0	0	0	0	0	
		S	0	100	0	100	0	0	0	0	0	0	0	0	
8	Thrissur	C	0	100	0	100	0	0	0	0	0	0	0	0	
		S	0	100	0	100	0	0	0	0	0	0	0	0	
9	Palakkad	C	#												
		S	0	69.23	30.77	100	0	0	0	0	0	0	0	0	
10	Malappuram	C	#												
		S	0	100	0	100	0	0	0	0	0	0	0	0	
11	Kozhikkode	C	#												
		S	0	64.29	35.71	100	0	0	0	0	0	0	0	0	
12	Wayanad	C	0	90	10	100	0	0	0	0	0	0	0	0	
		S	0	90	10	100	0	0	0	0	0	0	0	0	
13	Kannur	C	#												
		S	#												
14	Kasaragod	C	#												
		S	0	100	0	100	0	0	0	0	0	0	0	0	
For District Covered		C	0	84.93	8.22	93.15	2.74	4.1	0	6.8	0	0	6.8	6.8	
		S	0	89.42	10.58	100	0	0	0	0	0	0	0	0	

Table-6

RESPONSE IN SAMPLE CHECK ON CROP CUTTING EXPERIMENTS FOR PADDY DURING 2012-13

Sl.No.	District	Agency	Autumn		Winter		Summer		Annual	
			No. of Expts. Planned	% Response	No. of Expts. Planned	% Response	No. of Expts. Planned	% Response	No. of Expts. Planned	% Response
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	C	8	75	8	100	8	100	24	91.6667
		S	8	100	8	100	8	87.5	24	95.8333
2	Kollam	C	6	100	6	100	6	100	18	100
		S	6	100	6	100	0	0	12	100
3	Pathanamthitta	C	4	100	4	100	4	100	12	100
		S	4	100	4	100	4	100	12	100
4	Alappuzha	C	6	100	6	83.3333	6	66.6667	18	83.3333
		S	6	83.3333	6	83.3333	12	91.6667	24	87.5
5	Kottayam	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
6	Idukki	C	4	100	4	100	4	100	12	100
		S	4	100	4	100	4	100	12	100
7	Ernakulam	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
8	Thrissur	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
9	Palakkad	C	10	100	10	100	10	100	30	100
		S	10	100	10	90	10	60	30	83.3333
10	Malappuram	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
11	Kozhikkode	C	12	100.00	8	100	8	100	28	100
		S	12	100	8	100	8	100	28	100
12	Wayanad	C	0	0	4	100	4	100	8	100
		S	0	0	4	100	4	100	8	100
13	Kannur	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
14	Kasaragod	C	6	100	6	100	6	100	18	100
		S	6	100	6	100	6	100	18	100
For District Covered		C	100	98	100	98	100	98	300	98
		S	100	99	100	99	100	94	300	97.3333

C - Central Sample
S - State Sample

Table-7(i)

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2012-13

Rice-Autumn

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	6	100	66.67	100
		S		8	100	100	100
		C	T	8	75	50	75
		S		8	100	100	100
2	Kollam	C	H	6	50	100	100
		S		6	33.33	100	100
		C	T	6	50	100	100
		S		6	33.33	100	100
3	Pathanamthitta	C	H	4	50	100	100
		S		4	50	100	100
		C	T	4	50	100	100
		S		4	50	100	100
4	Alappuzha	C	H	6	100	100	100
		S		5	40	100	80
		C	T	6	100	100	100
		S		6	33.33	83.33	66.67
5	Kottayam	C	H	8	100	100	100
		S		8	75	100	75
		C	T	8	100	100	100
		S		8	75	100	75
6	Idukki	C	H	4	100	100	100
		S		4	100	100	100
		C	T	4	100	100	100
		S		4	100	100	100
7	Eranakulam	C	H	8	75	100	100
		S		8	50	100	100
		C	T	8	75	100	100
		S		8	50	100	100
8	Thrissur	C	H	10	0	100	100
		S		10	20	100	100
		C	T	10	0	100	100
		S		10	20	100	100

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS
DURING 2012-13**

Rice-Autumn

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	10	20	90	80
		S		10	10	90	90
		C	T	10	20	90	80
		S		10	10	90	90
10	Malappuram	C	H	10	20	100	80
		S		10	30	80	80
		C	T	10	20	100	80
		S		10	30	80	80
11	Kozhikkode	C	H	12	0.00	91.7	75
		S		12	0	83.33	91.67
		C	T	12	0.00	91.67	75.00
		S		12	0	83.33	91.67
12	Wayanad	C	H	0	NO AUTUMN PADDY IN THE SELECTED ZONE		
		S		0			
		C	T	0			
		S		0			
13	Kannur	C	H	8	50	100	100
		S		8	0	100	100
		C	T	8	50	100	100
		S		8	0	100	100
14	Kasaragod	C	H	6	0	100	83.33
		S		6	0	100	100
		C	T	6	0	100	83.33
		S		6	0	100	100
For District Covered		C	H	98	43.88	95.92	91.84
		S		99	34.34	94.95	92.93
		C	T	100	43	94	90
		S		100	34	94	92

C - Central Sample
H - Checked at Harvest
HYV - High yielding Variety
I - Irrigated

S - State Sample
T - Total Experiment
F - Fertilizers used

Table 7(ii)

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2012-13

Rice-Winter

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	8	100	87.5	100
		S		8	100	100	100
		C	T	8	100	87.5	100
		S		8	100	100	100
2	Kollam	C	H	6	83.3	100	100
		S		6	100	100	100
		C	T	6	83.3	100	100
		S		6	100	100	100
3	Pathanamthitta	C	H	4	100	100	100
		S		4	100	100	100
		C	T	4	100	100	100
		S		4	100	100	100
4	Alappuzha	C	H	5	80	80	80
		S		5	0	100	100
		C	T	6	66.67	66.67	66.67
		S		6	0	83.33	83.33
5	Kottayam	C	H	8	100	87.5	100
		S		8	100	100	87.5
		C	T	8	100	87.5	100
		S		8	100	100	87.5
6	Idukki	C	H	4	100	100	100
		S		4	50	100	100
		C	T	4	100	100	100
		S		4	50	100	100
7	Eranakulam	C	H	8	100	100	100
		S		8	100	100	100
		C	T	8	100	100	100
		S		8	100	100	100
8	Thrissur	C	H	10	90	90	90
		S		10	90	80	90
		C	T	10	90	90	90
		S		10	90	80	90

Contd.....

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING -2012-13

Rice-Winter

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	10	100	80	90
		S		9	100	77.78	77.78
		C	T	10	100	80	90
		S		10	90	70	70
10	Malappuram	C	H	10	80	80	90
		S		10	30	50	40
		C	T	10	80	80	90
		S		10	30	50	40
11	Kozhikkode	C	H	8	0	0	62.5
		S		8	0	12.5	62.5
		C	T	8	0	0	62.5
		S		8	0	12.5	62.5
12	Wayanad	C	H	4	100	100	100
		S		4	100	75	75
		C	T	4	100	100	100
		S		4	100	75	75
13	Kannur	C	H	8	50	50	62.5
		S		8	87.5	100	100
		C	T	8	50	50	62.5
		S		8	87.5	100	100
14	Kasaragod	C	H	6	100	66.67	100
		S		6	66.67	33.33	50
		C	T	6	100	66.67	100
		S		6	66.67	33.33	50
For District Covered		C	H	99	82.83	77.78	89.90
		S		98	73.47	78.57	82.65
		C	T	100	82	77	89
		S		100	72	77	81

C - Central Sample
H - Checked at Harvest
HYV - High yielding Variety
I - Irrigated

S - State Sample
T - Total Experiment
F - Fertilizers used

Table 7(iii)

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2012-13

Rice-Summer

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	8	100	75	100
		S		7	100	100	100
		C	T	8	100	75	100
		S		8	87.5	87.5	87.5
2	Kollam	C	H	6	100	83.33	100
		S		0			
		C	T	6	100	83.33	100
		S		0			
3	Pathanamthitta	C	H	4	100	100	100
		S		4	100	100	100
		C	T	4	100	100	100
		S		4	100	100	100
4	Alappuzha	C	H	4	100	100	100
		S		11	100	100	100
		C	T	6	66.7	66.7	66.7
		S		12	91.7	91.7	91.7
5	Kottayam	C	H	8	100	100	100
		S		8	100	100	100
		C	T	8	100	100	100
		S		8	100	100	100
6	Idukki	C	H	4	100	100	100
		S		4	100	100	100
		C	T	4	100	100	100
		S		4	100	100	100
7	Eranakulam	C	H	8	100	100	100
		S		8	100	100	100
		C	T	8	100	100	100
		S		8	100	100	100
8	Thrissur	C	H	10	100	100	90
		S		10	100	100	100
		C	T	10	100	100	90
		S		10	100	100	100

Contd.....

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2012-13

Rice-Summer

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	10	80	90	80
		S		6	100	83.33	100
		C	T	10	80	90	80
		S		10	60	50	60
10	Malappuram	C	H	10	100	100	100
		S		10	100	90	100
		C	T	10	100	100	100
		S		10	100	90	100
11	Kozhikkode	C	H	8	87.5	87.5	100
		S		8	75	75	100
		C	T	8	87.5	87.5	100
		S		8	75	75	100
12	Wayanad	C	H	4	100	75	100
		S		4	100	100	100
		C	T	4	100	75	100
		S		4	100	100	100
13	Kannur	C	H	8	100	50	100
		S		8	87.5	50	100
		C	T	8	100	50	100
		S		8	87.5	50	100
14	Kasaragod	C	H	6	100	83.3	83.3
		S		6	100	100	100
		C	T	6	100	83.3	83.3
		S		6	100	100	100
For District Covered		C	H	98	96.94	88.78	95.92
		S		94	96.81	91.49	100
		C	T	100	95	87	94
		S		100	91	86	94

C - Central Sample
H - Checked at Harvest
HYV - High yielding Variety
I - Irrigated

S - State Sample
T - Total Experiment
F - Fertilizers used

Table 7(iv)

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2012-13

Tapioca

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	4	50	0	75
		S		4	25	0	25
		C	T	4	50	0	75
		S		4	25	0	25
2	Kollam	C	H	4	25	0	75
		S		4	0	0	25
		C	T	4	25	0	75
		S		4	0	0	25
3	Pathanamthitta	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
4	Alappuzha	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
5	Kottayam	C	H	4	75	50	25
		S		4	25	0	50
		C	T	4	75	50	25
		S		4	25	0	50
6	Idukki	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
7	Ernakulam	C	H	4	50	0	75
		S		4	25	50	50
		C	T	4	50	0	75
		S		4	25	50	50
8	Thrissur	C	H	4	50	50	75
		S		4	50	50	0
		C	T	4	50	50	75
		S		4	50	50	0

Contd.....

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2012-13

Tapioca

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4	50	50	25
		S		4	75	0	25
		C	T	4	50	50	25
		S		4	75	0	25
10	Malappuram	C	H	4	75	50	100
		S		4	75	50	0
		C	T	4	75	50	100
		S		4	75	50	0
11	Kozhikkode	C	H	4	75	50	50
		S		4	25	0	25
		C	T	4	75	50	50
		S		4	25	0	25
12	Wayanad	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
13	Kannur	C	H	4	25	0	25
		S		4	25	25	50
		C	T	4	25	0	25
		S		4	25	25	50
14	Kasaragod	C	H	4	0	0	25
		S		4	0	0	0
		C	T	4	0	0	25
		S		4	0	0	0
For District Covered		C	H	40	47.5	25	55
		S		40	32.5	17.5	25
		C	T	40	47.5	25	55
		S		40	32.5	17.5	25

C - Central Sample
H - Checked at Harvest
HYV - High yielding Variety
I - Irrigated

S - State Sample
T - Total Experiment
F - Fertilizers used

Table 7(v)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS
DURING 2012-13**

Pepper

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
2	Kollam	C	H	4	0	25	0
		S		4	0	50	0
		C	T	4	0	25	0
		S		4	0	50	0
3	Pathanamthitta	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
4	Alappuzha	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
5	Kottayam	C	H	4	0	25	0
		S		4	0	0	0
		C	T	4	0	25	0
		S		4	0	0	0
6	Idukki	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
7	Eranakulam	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
8	Thrissur	C	H	4	75	50	25
		S		4	75	50	0
		C	T	4	75	50	25
		S		4	75	50	0

Contd.....

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2012-13

Pepper

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4	50	75	0
		S		4	25	50	0
		C	T	4	50	75	0
		S		4	25	50	0
10	Malappuram	C	H	4	25	50	25
		S		4	0	0	0
		C	T	4	25	50	25
		S		4	0	0	0
11	Kozhikkode	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
12	Wayanad	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
13	Kannur	C	H	4	50	50	0
		S		4	50	50	0
		C	T	4	50	50	0
		S		4	50	50	0
14	Kasaragod	C	H	4	25	0	0
		S		4	25	50	0
		C	T	4	25	0	0
		S		4	25	50	0
For District Covered		C	H	40	22.5	27.5	5
		S		40	17.5	25	0
		C	T	40	22.5	27.5	5
		S		40	17.5	25	0

C - Central Sample
H - Checked at Harvest
HYV - High yielding Variety
I - Irrigated

S - State Sample
T - Total Experiment
F - Fertilizers used

Table7(vi)

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2012-13

Banana

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	4	100	0	75
		S		4	100	0	100
		C	T	4	100	0	75
		S		4	100	0	100
2	Kollam	C	H	4	0	0	75
		S		4	100	0	100
		C	T	4	0	0	75
		S		4	100	0	100
3	Pathanamthitta	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
4	Alappuzha	C	H	4	75	0	75
		S		4	100	0	25
		C	T	4	75	0	75
		S		4	100	0	25
5	Kottayam	C	H	4	0	0	75
		S		4	100	0	100
		C	T	4	0	0	75
		S		4	100	0	100
6	Idukki	C	H	4	25	0	75
		S		4	100	0	25
		C	T	4	25	0	75
		S		4	100	0	25
7	Ernakulam	C	H	4	75	0	75
		S		4	100	0	75
		C	T	4	75	0	75
		S		4	100	0	75
8	Thrissur	C	H	4	100	50	100
		S		4	100	25	100
		C	T	4	100	50	100
		S		4	100	25	100

Contd.....

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2012-13

Banana

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	6	66.67	0	100
		S		4	100	0	75.00
		C	T	6	66.67	0	100
		S		6	66.67	0	50.00
10	Malappuram	C	H	4	100	0	100
		S		4	0.00	0	25.00
		C	T	4	100	0	100
		S		4	0.00	0	25.00
11	Kozhikkode	C	H	4	100	0	75
		S		4	100	0	100
		C	T	4	100	0	75
		S		4	100	0	100
12	Wayanad	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
13	Kannur	C	H	4	75	0	75
		S		4	100	0	100
		C	T	4	75	0	75
		S		4	100	0	100
14	Kasaragod	C	H	4	100	0	75
		S		4	100	0	100
		C	T	4	100	0	75
		S		4	100	0	100
For District Covered		C	H	50	68.00	4	82.00
		S		48	91.67	2.08	77.08
		C	T	50	68.00	4	82.00
		S		50	88.00	2.00	74

C - Central Sample
H - Checked at Harvest
HYV - High yielding Variety
I - Irrigated

S - State Sample
T - Total Experiment
F - Fertilizers used

Table 7(vii)

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2012-13

Coconut

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	4	0	0	100
		S		4	0	0	0
		C	T	4	0	0	100
		S		4	0	0	0
2	Kollam	C	H	4	0	0	0
		S		4	0	0	50
		C	T	4	0	0	0
		S		4	0	0	50
3	Pathanamthitta	C	H	0			
		S		0			
		C	T	0			
		S		0			
4	Alappuzha	C	H	4	100	0	0
		S		4	50	0	25
		C	T	4	100	0	0
		S		4	50	0	25
5	Kottayam	C	H	4	0	0	0
		S		4	0	0	25
		C	T	4	0	0	0
		S		4	0	0	25
6	Idukki	C	H	4	0	0	50
		S		4	0	0	0
		C	T	4	0	0	50
		S		4	0	0	0
7	Eranakulam	C	H	4	25	0	50
		S		4	50	0	0
		C	T	4	25	0	50
		S		4	50	0	0
8	Thrissur	C	H	4	100	0	50
		S		4	50	0	0
		C	T	4	100	0	50
		S		4	50	0	0

Contd.....

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2012-13

Coconut

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	6	33.33	16.67	33.33
		S		6	33.33	0	16.67
		C	T	6	33.33	16.67	33.33
		S		6	33.33	0	16.67
10	Malappuram	C	H	4	0	0	50
		S		4	25	0	25
		C	T	4	0	0	50
		S		4	25	0	25
11	Kozhikkode	C	H	4	0	0	25
		S		4	0	0	0
		C	T	4	0	0	25
		S		4	0	0	0
12	Wayanad	C	H	0			
		S		0			
		C	T	0			
		S		0			
13	Kannur	C	H	4	0	0	0
		S		4	25	0	25
		C	T	4	0	0	0
		S		4	25	0	25
14	Kasaragod	C	H	4	0	0	0
		S		4	25	0	0
		C	T	4	0	0	0
		S		4	25	0	0
For District Covered		C	H	50	22	2	30
		S		50	22	0	14
		C	T	50	22	2	30
		S		50	22	0	14

C - Central Sample
H - Checked at Harvest
HYV - High yielding Variety
I - Irrigated

S - State Sample
T - Total Experiment
F - Fertilizers used

Table 7(viii)

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2012-13

Arecanut

Sl.No.	District	Agency	H/T		Percentage of Experiments under various Inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
2	Kollam	C	H	4	0	0	0
		S		4	0	0	25
		C	T	4	0	0	0
		S		4	0	0	25
3	Pathanamthitta	C	H	0			
		S		0			
		C	T	0			
		S		0			
4	Alappuzha	C	H	0			
		S		0			
		C	T	0			
		S		0			
5	Kottayam	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
6	Idukki	C	H	0			
		S		0			
		C	T	0			
		S		0			
7	Ernakulam	C	H	4	0	0	0
		S		4	50	50	0
		C	T	4	0	0	0
		S		4	50	50	0
8	Thrissur	C	H	4	100	0	0
		S		4	100	0	0
		C	T	4	100	0	0
		S		4	100	0	0

Contd.....

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2012-13

Arecanut

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4	25	25	50
		S		4	25	25	25
		C	T	4	25	25	50
		S		4	25	25	25
10	Malappuram	C	H	4	25	25	25
		S		4	0	0	0
		C	T	4	25	25	25
		S		4	0	0	0
11	Kozhikkode	C	H	4	0	0	0
		S		4	25	50	0
		C	T	4	0	0	0
		S		4	25	50	0
12	Wayanad	C	H	0			
		S		0			
		C	T	0			
		S		0			
13	Kannur	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
14	Kasaragod	C	H	4	75	25	25
		S		4	75	0	0
		C	T	4	75	25	25
		S		4	75	0	0
For District Covered		C	H	40	22.5	7.5	10
		S		40	27.5	12.5	5
		C	T	40	22.5	7.5	10
		S		40	27.5	12.5	5

C - Central Sample
H - Checked at Harvest
HYV - High yielding Variety
I - Irrigated

S - State Sample
T - Total Experiment
F - Fertilizers used

Table 8 (i)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA YEAR : 2012-13 STATE SAMPLE
 SEASON : AUTUMN CROP : PADDY

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	4	4				
4	Alappuzha	6	5		1		
5	Kottayam	8	8				
6	Idukki	4	4				
7	Ernakulam	8	8				
8	Thrissur	10	10				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	12	12				
12	Wayanad						
13	Kannur	8	8				
14	Kasaragod	6	6				
Total for all crops		100	99		1		

Table 8 (ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2012-13

CENTRAL SAMPLE

SEASON : Autumn

CROP : Paddy

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	6		2		
2	Kollam	6	6				
3	Pathanamthitta	4	4				
4	Alappuzha	6	6				
5	Kottayam	8	8				
6	Idukki	4	4				
7	Ernakulam	8	8				
8	Thrissur	10	10				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	12	12				
12	Wayanad						
13	Kannur	8	8				
14	Kasaragod	6	6				
	Total	100	98		2		

Table 8(iii)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	STATE : KERALA						YEAR : 2012-13						SEASON : AUTUMN PADDY						STATE SAMPLE																	
		HY varieties			Other Varieties			Both Hy & Others			Irrigated			Un irrigated			Irrigated			Un irrigated			Irrigated			Un irrigated			Total								
		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated		Total							
		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha						
1	2	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21																		
1	TVM	8	3272.44	0	0	8	3272.44	0	0	0	0	0	0	8	3272.44	0	0	8	3272.44	0	0	8	3272.44	0	0	8	3272.44	0	0	8	3272.44						
2	KLM	6	4054.96	4	3493.49	6	3680.65	0	0	0	0	0	0	2	4054.96	4	3493.49	6	3680.65	2	2517.12	4	3096	2	3096	2	2517.12	4	3096	2	2517.12	4	2806.56				
3	PTA	4	3096	2	2517.12	4	2806.56	0	0	0	0	0	0	2	3096	2	2517.12	4	2806.56	2	3096	2	3096	2	2517.12	4	2806.56	2	3096	2	2517.12	4	2806.56				
4	ALP	5	5524.2	3	2174.96	5	3514.66	0	0	0	0	0	0	2	5524.2	3	2174.96	5	3514.66	2	3096	2	3096	2	2517.12	4	2806.56	2	3096	2	2517.12	4	2806.56				
5	KTM	8	3364.8	2	4192.2	8	3571.65	0	0	0	0	0	0	6	3364.8	2	4192.2	8	3571.65	0	0	0	0	6	3364.8	2	4192.2	8	3571.65	0	0	8	3571.65				
6	IDK	4	3094.3	0	0	4	3094.3	0	0	0	0	0	0	4	3094.3	0	0	4	3094.3	0	0	0	0	4	3094.3	0	0	4	3094.3	0	0	4	3094.3				
7	EKM	8	3182.27	4	3296.93	8	3239.6	0	0	0	0	0	0	4	3182.27	4	3296.93	8	3239.6	0	0	0	0	4	3182.27	4	3296.93	8	3239.6	0	0	8	3239.6				
8	TSR	10	2919.28	8	2655.38	10	2708.16	0	0	0	0	0	0	2	2919.28	8	2655.38	10	2708.16	0	0	0	0	2	2919.28	8	2655.38	10	2708.16	0	0	10	2708.16				
9	PKD	10	3320.08	8	2646.57	9	2721.4	0	0	1	1361.12	1	1361.12	1	3320.08	9	2646.57	10	2721.4	1	1361.12	1	1361.12	1	3320.08	9	2646.57	10	2721.4	1	1361.12	10	2585.38				
10	MLP	10	1406.16	7	2394.62	8	2271.06	2	2544	0	0	2	2544.48	3	1406.16	7	2394.62	8	2271.06	2	2544	0	0	3	2165.04	7	2394.62	10	2325.74	0	0	10	2325.74				
11	KKD	12	0	10	2843.17	10	2843.17	0	0	2	802.24	2	802.24	2	0	8	2843.17	10	2843.17	0	0	2	802.24	0	0	12	2503.01	12	2503.01	0	0	12	2503.01				
12	WYD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
13	KNR	8	0	8	3993.88	8	3993.88	0	0	0	0	0	0	0	8	3993.88	0	0	8	3993.88	0	0	0	0	8	3993.88	0	0	8	3993.88	0	0	8	3993.88			
14	KSGD	6	0	6	3628.05	6	3628.05	0	0	0	0	0	0	0	6	3628.05	0	0	6	3628.05	0	0	0	0	6	3628.05	0	0	6	3628.05	0	0	6	3628.05			
	State	99	32	62	3039.26	94	3147.06	2	2544	3	988.53	5	1610.91	34	3308.2	65	2944.61	99	3059.48	34	3308.2	65	2944.61	99	3059.48	34	3308.2	65	2944.61	99	3059.48	34	3308.2	65	2944.61	99	3059.48

Table 8(iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No.	District	No. of expts. Checked at harvest	STATE : KERALA						YEAR : 2012-13						SEASON : AUTUMN PADDY						CENTRAL SAMPLE								
			Irrigated		Un irrigated		Total	Irrigated		Un irrigated		total	Irrigated		Un irrigated		total	Irrigated		Un irrigated		total	Irrigated		Un irrigated		total		
			No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha		No. of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21									
1	TVM	6	4	3823.52	0	0	4	3823.52	2	4357.12	0	0	2	4357.12	6	4001.39	0	0	6	4001.39	0	0	6	4001.39	0	0	6	4001.39	
2	KLM	6	3	3272.36	3	4064.67	6	3668.51	0	0	0	0	0	0	3	3272.36	3	4064.67	6	3668.51	0	0	6	3668.51	0	0	6	3668.51	
3	PTA	4	2	1738.08	2	1910.88	4	1824.48	0	0	0	0	0	0	2	1738.08	2	1910.88	4	1824.48	0	0	4	1824.48	0	0	4	1824.48	
4	ALP	6	6	3260.89	0	0	6	3260.89	0	0	0	0	0	0	6	3260.89	0	0	6	3260.89	0	0	6	3260.89	0	0	6	3260.89	
5	KTM	8	8	4172.85	0	0	8	4172.85	0	0	0	0	0	0	8	4172.85	0	0	8	4172.85	0	0	8	4172.85	0	0	8	4172.85	
6	IDK	4	4	3022.52	0	0	4	3022.52	0	0	0	0	0	0	4	3022.52	0	0	4	3022.52	0	0	4	3022.52	0	0	4	3022.52	
7	EKM	8	6	3230.5	2	5505.5	8	3799.25	0	0	0	0	0	0	6	3230.5	2	5505.5	8	3799.25	0	0	8	3799.25	0	0	8	3799.25	
8	TSR	10	0	0	10	2734.37	10	2734.37	0	0	0	0	0	0	0	0	0	0	10	2734.37	0	0	10	2734.37	0	0	10	2734.37	
9	PKD	10	2	3609.6	7	2470.86	9	2723.91	0	0	1	2650.8	1	2650.8	2	3609.6	8	2493.35	10	2716.6	0	0	10	2716.6	0	0	10	2716.6	
10	MLP	10	2	4603.5	8	3333.12	10	3587.2	0	0	0	0	0	0	2	4603.5	8	3333.12	10	3587.2	0	0	10	3587.2	0	0	10	3587.2	
11	KKD	12	0	0	11	1446.57	11	1446.57	0	0	1	1600.8	1	1600.8	0	0	0	12	1459.43	12	1459.43	0	0	12	1459.43	0	0	12	1459.43
12	WYD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	KNR	8	4	3880.4	4	5008.03	8	4444.22	0	0	0	0	0	0	4	3880.4	4	5008.03	8	4444.22	0	0	8	4444.22	0	0	8	4444.22	
14	KSGD	6	0	0	6	3928.19	6	3928.19	0	0	0	0	0	0	0	0	0	0	6	3928.19	0	0	6	3928.19	0	0	6	3928.19	
	State	98	41	3535.52	63	2978.21	94	3221.29	2	4357.12	2	2125.8	4	3241.46	43	3573.73	55	2947.21	98	3222.11									

Table 8(v)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	STATE : KERALA		YEAR : 2012-13		SEASON : AUTUMN PADDY		STATE SAMPLE							
		Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers		Experiments not Treated with Fertilizers							
		No.	Yield Rate	No.	Yield Rate	No. of Experiments		Rate of application		No.	Yield Rate				
						N	P	K	Exclusive Total			Yield Rate	N	P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	3272.44	1	1199.68	8	8	8	8	3272.44	57.14	27.95	39.28	0	0
2	Kollam	6	3680.647	2	4054.96	6	6	6	6	3680.647	44.95	23.37	38.6	0	0
3	Pathanamthitta	4	2806.56	2	2517.12	4	4	4	4	2806.56	65.75	22.5	26.25	0	0
4	Alappuzha	5	3514.656	4	3821.37	4	3	3	4	3821.37	72.43	51.33	3	1	2287.8
5	Kottayam	8	3571.65	5	4810.32	6	6	6	6	4738.8	84.35	50.17	40.87	2	70.2
6	Idukki	4	3094.3	0	0	4	4	1	4	3094.3	39.25	39.75	49	0	0
7	Ernakulam	8	3239.6	6	3416.14	8	8	6	8	3239.6	42.09	35.75	58.1	0	0
8	Thrissur	10	2708.16	4	3007.55	10	8	8	10	2708.16	51.83	27.7	37.75	0	0
9	Palakkad	10	2585.376	3	3367.707	8	8	8	9	2721.404	66	59.63	70	1	1361.12
10	Malappuram	10	2325.744	2	2548.2	7	8	4	8	2471.01	46	34.75	41.5	2	1744.68
11	Kozhikode	12	2503.013	3	2671.68	11	10	5	11	2701.789	40.38	28.15	44.66	1	316.48
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	3993.875	0	0	8	8	4	8	3993.875	57.13	38.25	25.75	0	0
14	Kasaragod	6	3628.053	4	3169.1	6	6	2	6	3628.053	39.02	39.02	15	0	0
	Total	99	3069.48	36	3391.64	90	87	65	92	3220.47	54.33	36.79	37.67	7	1085.02

Contd.....

Table 8(vi)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	7	3568.549	1	1199.68	7	3568.55	0	0	8	3272.44
2	Kollam	0	0	4	3493.49	2	4054.96	4	3493.49	0	0	6	3680.647
3	Pathanamthitta	0	0	2	3096	2	2517.12	2	3096	0	0	4	2806.56
4	Alappuzha	0	0	0	0	5	3514.656	0	0	1	2287.8	4	3821.37
5	Kottayam	0	0	1	4381.2	7	3456	1	4381.2	2	70.2	6	4738.8
6	Idukki	0	0	4	3094.3	0	0	4	3094.3	0	0	4	3094.3
7	Ernakulam	0	0	2	2709.98	6	3416.14	2	2709.98	0	0	8	3239.6
8	Thrissur	0	0	6	2508.567	4	3007.55	6	2508.57	0	0	10	2708.16
9	Palakkad	0	0	6	2398.253	4	2866.06	6	2398.25	1	1361.12	9	2721.404
10	Malappuram	2	1744.68	8	2270.13	2	2548.2	6	2445.28	0	0	10	2325.744
11	Kozhikode	1	316.48	9	2446.791	3	2671.68	8	2713.08	0	0	12	2503.013
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	8	3993.875	0	0	8	3993.88	0	0	8	3993.875
14	Kasaragod	0	0	2	4545.96	4	3169.1	2	4545.96	0	0	6	3628.053
	Total	3	1268.61	59	3016.78	40	3147.21	56	3110.43	4	947.33	95	3158.83

Table 8(vii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	STATE : KERALA		YEAR : 2012-13		SEASON : AUTUMN		CROP: PADDY		CENTRAL SAMPLE		Experiments With Fertilizers		Experiments not Treated with Fertilizers	
		Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		No. of Experiments		Rate of application		Yield Rate		No.		Yield Rate	
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	6	4001.387	0	0	6	6	5	6	4001.387	108	48.33	103	0	0
2	Kollam	6	3668.513	2	3892.98	6	6	5	6	3668.513	41.17	28.17	39.6	0	0
3	Pathanamthitta	4	1824.48	0	0	4	4	4	4	1824.48	73	40.75	65.5	0	0
4	Alappuzha	6	3260.89	3	4581.8	6	6	6	6	3260.89	82.33	40.83	6	0	0
5	Kottayam	8	4172.85	8	4172.85	8	8	8	8	4172.85	82.63	26.75	51.5	0	0
6	Idukki	4	3022.52	2	2774.2	4	4	4	4	3022.52	56.25	42	24.75	0	0
7	Ernakulam	8	3799.25	3	2978.733	8	7	8	8	3799.25	44.63	30.57	32.25	0	0
8	Thrissur	10	2734.368	7	2869.36	10	10	9	10	2734.368	91.1	43.9	112.22	0	0
9	Palakkad	10	2716.6	5	2851.584	8	8	8	8	2818.59	142.75	59.63	154.13	2	2308.64
10	Malappuram	10	3587.196	4	2325	8	8	6	8	3414.495	66.88	32.75	49.17	2	4278
11	Kozhikode	12	1459.427	3	744.587	8	7	3	9	1371.004	29.63	30.29	63.67	3	1724.693
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	4444.215	0	0	8	6	5	8	4444.215	31.38	28.17	40.2	0	0
14	Kasaragod	6	3928.193	1	4191.64	5	4	1	5	3894.424	36.2	26.25	38	1	4097.04
	Total	98	3222.11	38	3143.88	89	84	72	90	3259.14	68.15	36.8	60	8	2805.55

Contd.....

Table 8(viii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	YEAR : 2012-13						SEASON : AUTUMN PADDY						CENTRAL SAMPLE					
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both		Experiments Treated With Fertilizers or Manure or Both					
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate				
1	2	17	18	19	20	21	22	23	24	25	26	27	28						
1	Thiruvananthapuram	0	0	6	4001.387	0	0	6	4001.39	0	0	6	4001.387						
2	Kollam	0	0	4	3556.28	2	3892.98	4	3556.28	0	0	6	3668.513						
3	Pathanamthitta	0	0	4	1824.48	0	0	4	1824.48	0	0	4	1824.48						
4	Alappuzha	0	0	3	1939.98	3	4581.8	3	1939.98	0	0	6	3260.89						
5	Kottayam	0	0	0	0	8	4172.85	0	0	0	0	8	4172.85						
6	Idukki	0	0	2	3270.84	2	2774.2	2	3270.84	0	0	4	3022.52						
7	Ernakulam	0	0	5	4291.56	3	2978.733	5	4291.56	0	0	8	3799.25						
8	Thrissur	0	0	3	2419.387	7	2869.36	3	2419.39	0	0	10	2734.368						
9	Palakkad	2	2308.64	5	2581.616	5	2851.584	3	2763.6	0	0	10	2716.6						
10	Malappuram	2	4278	6	4428.66	4	2325	4	4503.99	0	0	10	3587.196						
11	Kozhikode	2	382.72	8	1358.84	4	1660.6	6	1684.21	1	4408.64	11	1191.316						
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0						
13	Kannur	0	0	8	4444.215	0	0	8	4444.22	0	0	8	4444.215						
14	Kasaragod	1	4097.04	5	3875.504	1	4191.64	4	3820.12	0	0	6	3928.193						
	Total	7	2576.54	59	3252.39	39	3176.31	52	3343.37	1	4408.64	97	3209.88						

Table 9(i)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2012-13

STATE SAMPLE

SEASON : WINTER

CROP : PADDY

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	4	4				
4	Alappuzha	6	5		1		
5	Kottayam	8	8				
6	Idukki	4	4				
7	Ernakulam	8	8				
8	Thrissur	10	10				
9	Palakkad	10	9		1		
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad	4	4				
13	Kannur	8	8				
14	Kasaragod	6	6				
	Total	100	98		2		

Table 9(iii)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	No. of expts. Checked at harvest	STATE : KERALA			YEAR : 2012-13			SEASON : WINTER			CROP : PADDY			STATE SAMPLE					
			HY varieties			Other Varieties			Both Hy & Others			Irrigated			Un irrigated			Total		
			No. of Experiments	Yield Rate Kg/Ha	Total	No. of Experiments	Yield Rate Kg/Ha	Total	No. of Experiments	Yield Rate Kg/Ha	Total	No. of Experiments	Yield Rate Kg/Ha	Total	No. of Experiments	Yield Rate Kg/Ha	Total	No. of Experiments	Yield Rate Kg/Ha	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	TVM	8	8	4127.34	0	0	8	4127.34	0	0	0	0	0	0	8	4127.34	0	0	8	4127.34
2	KLM	6	6	2840.96	0	0	6	2840.96	0	0	0	0	0	0	6	2840.96	0	0	6	2840.96
3	PTA	4	4	3636.3	0	0	4	3636.3	0	0	0	0	0	0	4	3636.3	0	0	4	3636.3
4	ALP	5	0	0	5	2553.79	5	2553.79	0	0	0	0	0	0	0	0	5	2553.79	5	2553.79
5	KTM	8	8	4155.06	0	0	8	4155.06	0	0	0	0	0	0	8	4155.06	0	0	8	4155.06
6	IDK	4	2	3487.4	2	4342.8	4	3915.1	0	0	0	0	0	0	2	3487.4	2	4342.8	4	3915.1
7	EKM	8	8	3679.08	0	0	8	3679.08	0	0	0	0	0	0	8	3679.08	0	0	8	3679.08
8	TSR	10	7	3214.26	1	1692	8	3023.98	2	3566.4	0	0	2	3566.36	9	3292.51	1	1692	10	3132.46
9	PKD	9	7	4213.66	0	0	7	4213.66	2	2677.1	0	0	2	2677.1	9	3872.2	0	0	9	3872.2
10	MLP	10	1	3188.48	4	3658.48	5	3564.48	2	1987.2	3	555.23	5	1128	3	2387.6	7	2328.51	10	2346.24
11	KKD	8	0	0	1	4255.16	1	4255.16	0	0	7	1245.66	7	1245.66	0	0	8	1621.85	8	1621.85
12	WYD	4	3	4987.28	0	0	3	4987.28	1	3813	0	0	1	3813	4	4693.71	0	0	4	4693.71
13	KNR	8	7	4239.04	1	1084.72	8	3844.75	0	0	0	0	0	0	7	4239.04	1	1084.72	8	3844.75
14	KSGD	6	1	4028.76	1	2094.36	2	3061.56	3	3162	1	2362.2	4	2962.05	4	3378.69	2	2228.28	6	2995.22
	State	98	62	3840.41	15	3014.31	77	3679.48	10	2976	11	1158.86	21	2024.18	72	3720.36	26	2229.32	98	3324.77

Table 9(iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	STATE : KERALA		YEAR : 2012-13				SEASON : WINTER				CROP : PADDY				CENTRAL SAMPLE				
		HY varieties		Other Varieties		Both Hy & Others		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated		
		No. of expts. Checked at harvest	Irrigated	Un irrigated	Total	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	TVM	8	7	3356.5	0	0	7	3356.5	1	3809	0	0	1	3809.28	8	3413.1	0	0	8	3413.1
2	KLM	6	5	3307.58	1	3164.8	6	3283.79	0	0	0	0	0	0	5	3307.58	1	3164.8	6	3283.79
3	PTA	4	4	2833.71	0	0	4	2833.71	0	0	0	0	0	0	4	2833.71	0	0	4	2833.71
4	ALP	5	4	3402.8	0	0	4	3402.8	0	0	1	280.12	1	280.12	4	3402.8	1	280.12	5	2778.26
5	KTM	8	7	3984.76	0	0	7	3984.76	1	3007	0	0	1	3006.64	8	3862.5	0	0	8	3862.5
6	IDK	4	4	3945.18	0	0	4	3945.18	0	0	0	0	0	0	4	3945.18	0	0	4	3945.18
7	EKM	8	8	4134.78	0	0	8	4134.78	0	0	0	0	0	0	8	4134.78	0	0	8	4134.78
8	TSR	10	8	4766.74	1	1056.56	9	4354.5	1	2955	0	0	1	2955.36	9	4565.48	1	1056.56	10	4214.58
9	PKD	10	8	4740.5	0	0	8	4740.5	2	3316	0	0	2	3315.5	10	4455.5	0	0	10	4455.5
10	MLP	10	7	4406.72	1	3376.48	8	4277.94	1	2557	1	1011.44	2	1784.12	8	4175.48	2	2193.96	10	3779.18
11	KKD	8	0	0	0	0	0	0	0	0	8	1288.11	8	1288.11	0	0	8	1288.11	8	1288.11
12	WYD	4	4	3036.45	0	0	4	3036.45	0	0	0	0	0	0	4	3036.45	0	0	4	3036.45
13	KNR	8	0	0	4	4696.51	4	4696.51	4	1904	0	0	4	1903.72	4	1903.72	4	4696.51	8	3300.12
14	KSGD	6	4	3379.62	0	0	4	3379.62	2	2665	0	0	2	2665.38	6	3141.54	0	0	6	3141.54
	State	99	70	3918.59	7	3769.13	77	3905	12	2659	10	1159.64	22	1977.32	82	3734.22	17	2234.13	99	3476.63

Table 9(v)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	STATE : KERALA		YEAR : 2012-13		SEASON : WINTER		CROP : PADDY		STATE SAMPLE							
		Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers					Experiments not Treated with Fertilizers						
		No.	Yield Rate	No.	Yield Rate	No. of Experiments					Exclusive Total	Yield Rate	Rate of application			No.	Yield Rate
						N	P	K	Yield Rate	N			P	K			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
1	Thiruvananthapuram	8	4127.34	1	5349.36	8	8	8	8	4127.34	57.06	28.89	41.39	0	0		
2	Kollam	6	2840.96	1	482.08	6	4	3	6	2840.96	62.85	21.75	40.2	0	0		
3	Pathanamthitta	4	3636.3	0	0	4	4	4	4	3636.3	55.25	28.25	32.75	0	0		
4	Alappuzha	5	2553.792	5	2553.792	5	5	5	5	2553.792	71.78	33.6	5	0	0		
5	Kottayam	8	4155.06	6	4830.28	7	6	7	7	4652.44	70.07	38.33	39.57	1	673.4		
6	Idukki	4	3915.1	2	4277	4	4	3	4	3915.1	32.25	23.75	18.67	0	0		
7	Ernakulam	8	3679.08	3	3814.24	8	8	6	8	3679.08	35.42	19.7	26.28	0	0		
8	Thrissur	10	3132.456	6	3248.013	9	8	7	9	3140.853	45.04	32.8	46.71	1	3056.88		
9	Palakkad	9	3872.2	5	4162.52	7	6	7	7	4159.914	68.57	32.67	68.43	2	2865.2		
10	Malappuram	10	2346.24	3	2140.693	4	4	1	4	2513.56	40.1	24	45	6	2234.693		
11	Kozhikode	8	1621.848	1	626.08	5	4	1	5	1471.288	24.92	22.05	24.6	3	1872.78		
12	Wayanad	4	4693.71	0	0	3	2	3	3	4987.28	30	90	1	1	3813		
13	Kannur	8	3844.75	3	5203.987	8	8	6	8	3844.75	67.88	44.25	53.83	0	0		
14	Kasaragod	6	2995.22	0	0	3	3	2	3	2971.04	31.76	31.76	23.94	3	3019.4		
	Total	98	3324.77	36	3626.1	81	74	63	81	3511.97	50.93	33.7	33.38	17	2432.85		

Table 9(vi)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	STATE : KERALA		YEAR : 2012-13		SEASON : WINTER		CROP: PADDY		STATE SAMPLE					
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both			
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate		
1	2	17	18	19	20	21	22	23	24	25	26	27	28		
1	Thiruvananthapuram	0	0	7	3952.766	1	5349.36	7	3952.77	0	0	8	4127.34		
2	Kollam	0	0	5	3312.736	1	482.08	5	3312.74	0	0	6	2840.96		
3	Pathanamthitta	0	0	4	3636.3	0	0	4	3636.3	0	0	4	3636.3		
4	Alappuzha	0	0	0	0	5	2553.792	0	0	0	0	5	2553.792		
5	Kottayam	0	0	1	3585.4	7	4236.44	1	3585.4	1	0	7	4652.44		
6	Idukki	0	0	2	3553.2	2	4277	2	3553.2	0	0	4	3915.1		
7	Ernakulam	0	0	5	3597.984	3	3814.24	5	3597.98	0	0	8	3679.08		
8	Thrissur	0	0	3	2926.533	7	3220.709	3	2926.53	1	3056.88	9	3140.853		
9	Palakkad	2	2865.2	4	3509.3	5	4162.52	2	4153.4	0	0	9	3872.2		
10	Malappuram	3	3914.16	4	3843.66	6	1347.96	1	3632.16	3	555.227	7	3113.817		
11	Kozhikode	1	2704.52	5	1886.976	3	1179.967	4	1682.59	2	1456.91	6	1676.827		
12	Wayanad	1	3813	4	4693.71	0	0	3	4987.28	0	0	4	4693.71		
13	Kannur	0	0	5	3029.208	3	5203.987	5	3029.21	0	0	8	3844.75		
14	Kasaragod	3	3019.4	6	2995.22	0	0	3	2971.04	0	0	6	2995.22		
	Total	10	3304.86	55	3399.61	43	3229.06	45	3420.66	7	1090.91	91	3489.21		

Table 9(vii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2012-13 SEASON : WINTER PADDY CENTRAL SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		No.	Yield Rate	No.	Yield Rate	No.of Experiments			Rate of application			No.	Yield Rate		
						N	P	K	Yield Rate	N	P			K	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	3413.1	0	0	8	8	8	8	3413.1	48.13	21.25	32.88	0	0
2	Kollam	6	3283.787	0	0	6	6	6	6	3283.787	57	23.67	40.5	0	0
3	Pathanamthitta	4	2833.71	0	0	4	4	4	4	2833.71	63.5	25	37.5	0	0
4	Alappuzha	5	2778.264	2	2013.48	4	4	4	4	3402.8	113.5	60.25	4	1	280.12
5	Kottayam	8	3862.495	6	3649.707	8	8	8	8	3862.495	75.25	31.5	69.13	0	0
6	Idukki	4	3945.18	2	4102.16	4	4	4	4	3945.18	61	37.5	33	0	0
7	Ernakulam	8	4134.78	8	4134.78	8	8	7	8	4134.78	54.88	26.88	34.14	0	0
8	Thrissur	10	4214.584	7	5178.057	9	9	9	9	4354.498	156.11	62.89	116.78	1	2955.36
9	Palakkad	10	4455.5	4	5025.5	9	9	6	9	4598	68.33	38.44	64.67	1	3173
10	Malappuram	10	3779.176	3	4253.813	9	9	7	9	4086.702	94.56	46.89	104.86	1	1011.44
11	Kozhikode	8	1288.105	0	0	5	5	0	5	1554.28	38.6	28.4	0	3	844.48
12	Wayanad	4	3036.45	0	0	3	3	3	4	3036.45	25.33	51.67	0	0	0
13	Kannur	8	3300.115	0	0	5	5	3	5	4111.016	29	25.4	19.67	3	1948.613
14	Kasaragod	6	3141.54	0	0	6	6	6	6	3141.54	42.83	42.83	32.83	0	0
	Total	99	3476.63	32	4259.93	88	88	75	89	3689.74	66.29	37.33	45.38	10	1579.92

Table 9(viii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	STATE : KERALA		YEAR : 2012-13		SEASON : WINTER		CROP: PADDY		CENTRAL SAMPLE			
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	8	3413.1	0	0	8	3413.1	0	0	8	3413.1
2	Kollam	0	0	6	3283.787	0	0	6	3283.79	0	0	6	3283.787
3	Pathanamthitta	0	0	4	2833.71	0	0	4	2833.71	0	0	4	2833.71
4	Alappuzha	0	0	2	4792.12	3	1435.693	2	4792.12	1	280.12	4	3402.8
5	Kottayam	0	0	2	4500.86	6	3649.707	2	4500.86	0	0	8	3862.495
6	Idukki	0	0	2	3788.2	2	4102.16	2	3788.2	0	0	4	3945.18
7	Ernakulam	0	0	0	0	8	4134.78	0	0	0	0	8	4134.78
8	Thrissur	1	2955.36	3	1966.48	7	5178.057	2	1472.04	0	0	10	4214.584
9	Palakkad	1	3173	6	4075.5	4	5025.5	5	4256	0	0	10	4455.5
10	Malappuram	0	0	6	4003.147	4	3443.22	6	4003.15	1	1011.44	9	4086.702
11	Kozhikode	2	877.24	7	1360.84	1	778.96	5	1554.28	1	778.96	7	1360.84
12	Wayanad	0	0	4	3036.45	0	0	4	3036.45	0	0	4	3036.45
13	Kannur	3	1948.613	8	3300.115	0	0	5	4111.02	0	0	8	3300.115
14	Kasaragod	0	0	6	3141.54	0	0	6	3141.54	0	0	6	3141.54
	Total	7	1961.24	64	3215.59	35	3953.95	57	3369.64	3	690.17	96	3563.7

Table 10(i)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2012-13

STATE SAMPLE

Sl.No.	District	SEASON : SUMMER		CROP : PADDY			For which Schedules are not received
		Planned	Checked at harvest	At post harvest	Lost	Rejected for analysis	
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	7		1		
2	Kollam						
3	Pathanamthitta	4	4				
4	Alappuzha	12	11	1			
5	Kottayam	8	8				
6	Idukki	4	4				
7	Ernakulam	8	8				
8	Thrissur	10	10				
9	Palakkad	10	6	1	3		
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad	4	4				
13	Kannur	8	8				
14	Kasaragod	6	6				
	Total	100	94	2	4		

Table 10(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

Sl.No.	District	SEASON : Summer		YEAR : 2012-13		CENTRAL SAMPLE		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		No of experiments Planned	No of experiments Checked at harvest	CROP : Paddy							
1	2	3	4	5	6	7	8				
1	Thiruvananthapuram	8	8								
2	Kollam	6	6								
3	Pathanamthitta	4	4								
4	Alappuzha	6	4		2						
5	Kottayam	8	8								
6	Idukki	4	4								
7	Ernakulam	8	8								
8	Thrissur	10	10								
9	Palakkad	10	10								
10	Malappuram	10	10								
11	Kozhikode	8	8								
12	Wayanad	4	4								
13	Kannur	8	8								
14	Kasaragod	6	6								
	Total	100	98	0	2						

Table 10(iii)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

STATE : KERALA

YEAR : 2012-13

SEASON : SUMMER PADDY

STATE SAMPLE

Sl.No.	District	No. of expts. Checked at harvest		HY varieties				Other Varieties				Both Hy & Others				Total				
		Irrigated	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Total	Irrigated	No. of Experiments	Yield Rate Kg/Ha	Un irrigated	No. of Experiments	Yield Rate Kg/Ha	total	Irrigated	No. of Experiments	Yield Rate Kg/Ha	Un irrigated	No. of Experiments	Yield Rate Kg/Ha
1	2	4	5	7	6	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
1	TVM	7	3327.27	0	0	7	3327.27	0	0	0	0	0	0	7	3327.27	0	0	7	3327.27	
2	KLM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	PTA	4	1036.84	0	4	1036.84	0	4	1036.84	0	0	0	0	4	1036.84	0	0	4	1036.84	
4	ALP	11	4579.34	0	11	4579.34	0	11	4579.34	0	0	0	0	11	4579.34	0	0	11	4579.34	
5	KTM	8	4591.26	0	8	4591.26	0	8	4591.26	0	0	0	0	8	4591.26	0	0	8	4591.26	
6	IDK	4	3726.16	0	4	3726.16	0	4	3726.16	0	0	0	0	4	3726.16	0	0	4	3726.16	
7	EKM	8	2825.32	0	8	2825.32	0	8	2825.32	0	0	0	0	8	2825.32	0	0	8	2825.32	
8	TSR	10	5363.5	0	10	5363.5	0	10	5363.5	0	0	0	0	10	5363.5	0	0	10	5363.5	
9	PKD	6	4365.44	0	5	4365.44	1	866	0	0	0	1	866.4	6	3782.27	0	0	6	3782.27	
10	MLP	10	5804.29	0	9	5804.29	1	3302	0	0	0	1	3302.2	10	5554.08	0	0	10	5554.08	
11	KKD	8	4513.6	2	4366.18	6	4464.46	2	1889	0	0	2	1889.16	6	3638.79	2	4366.18	8	3820.64	
12	WYD	4	3916.44	0	4	3916.44	0	0	0	0	0	0	0	4	3916.44	0	0	4	3916.44	
13	KNR	8	2724.9	0	4	2724.9	3	1090	1	1532.64	4	1200.63	7	2024.21	1	1532.64	8	1962.77		
14	KSGD	6	4449.74	0	6	4449.74	0	0	0	0	0	0	0	6	4449.74	0	0	6	4449.74	
	State	84	4179.37	2	4366.18	86	4183.72	7	1602	1	1532.64	8	1593.68	91	3981.14	3	3421.67	94	3963.29	

Table 10(iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

CENTRAL SAMPLE

SEASON : SUMMER PADDY

YEAR : 2012-13

STATE : KERALA

Sl.No	District	No. of expts. Checked at harvest	HY varieties				Other Varieties				Both Hy & Others						
			Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated				
			No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Total	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Total	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Total
1	2	3	4	5	6	7	9	10	11	12	13	15	16	17	18	19	21
1	TVM	8	6	2958.95	0	0	2958.95	2	5208	0	0	5208	8	3521.21	0	0	3521.21
2	KLM	6	5	3578.12	0	0	3578.12	1	2566	0	0	2566.2	6	3409.47	0	0	3409.47
3	PTA	4	4	4137.24	0	0	4137.24	0	0	0	0	0	4	4137.24	0	0	4137.24
4	ALP	4	4	2575.6	0	0	2575.6	0	0	0	0	0	4	2575.6	0	0	2575.6
5	KTM	8	8	3569.37	0	0	3569.37	0	0	0	0	0	8	3569.37	0	0	3569.37
6	IDK	4	4	4255.38	0	0	4255.38	0	0	0	0	0	4	4255.38	0	0	4255.38
7	EKM	8	8	2431.56	0	0	2431.56	0	0	0	0	0	8	2431.56	0	0	2431.56
8	TSR	10	10	4442.74	0	0	4442.74	0	0	0	0	0	10	4442.74	0	0	4442.74
9	PKD	10	7	3770.69	2	4427	3916.53	1	1231	0	0	1231.2	8	3453.25	2	4427	3648
10	MLP	10	10	5801.08	0	0	5801.08	0	0	0	0	0	10	5801.08	0	0	5801.08
11	KKD	8	6	3115.23	1	1645.28	2905.24	1	309	0	0	309.4	7	2714.4	1	1645.28	2580.76
12	WYD	4	3	2526.93	0	0	2526.93	1	4269	0	0	4269.8	4	2962.4	0	0	2962.4
13	KNR	8	4	3587.01	0	0	3587.01	4	1030	0	0	1030.44	8	2308.73	0	0	2308.73
14	KSGD	6	5	4667.86	0	0	4667.86	1	3367	0	0	3367.6	6	4450.98	0	0	4450.98
	State	98	84	3813.3	3	3499.76	3802.49	11	2389	0	0	2389.09	95	3648.39	3	3499.76	3643.84

Table 10(v)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2012-13 SEASON : SUMMER PADDY STATE SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers										Experiments not Treated with Fertilizers	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No. of Experiments					Rate of application					No.	Yield Rate(KG/Ha)
						N	P	K	Exclusi ve Total	Yield Rate(KG/Ha)	N	P	K				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
1	Thiruvananthapuram	7	3327.27	1	580.32	7	7	6	7	3327.27	81.55	39.23	54.7	0	0		
2	Kollam	0	0.00	0	0.00	0	0	0	0	0.00	0	0	0	0	0		
3	Pathanamthitta	4	1036.84	3	1078.24	4	4	4	4	1036.84	47.1	34.25	54.5	0	0		
4	Alappuzha	11	4579.34	11	4579.34	11	11	11	11	4579.34	69.77	34.36	47.78	0	0		
5	Kottayam	8	4591.26	8	4591.26	8	8	8	8	4591.26	95.13	47	63.75	0	0		
6	Idukki	4	3726.16	1	4214.96	4	4	4	4	3726.16	25	25	46.5	0	0		
7	Ernakulam	8	2825.32	5	2932.96	8	8	8	8	2825.32	44.89	18.39	24.23	0	0		
8	Thrissur	10	5363.50	6	4887.82	10	10	9	10	5363.50	62.14	30.27	36.96	0	0		
9	Palakkad	6	3782.27	3	2786.67	6	5	6	6	3782.27	83.83	37.6	72.5	0	0		
10	Malappuram	10	5554.08	5	4833.60	10	9	9	10	5554.08	69.66	33.43	46.01	0	0		
11	Kozhikode	8	3820.64	2	5097.82	8	5	6	8	3820.64	20.32	14.52	34.67	0	0		
12	Wayanad	4	3916.44	2	4881.52	4	3	1	4	3916.44	61.47	30.6	0	0	0		
13	Kannur	8	1962.77	0	0.00	8	7	4	8	1962.77	42.63	21.86	39.75	0	0		
14	Kasaragod	6	4449.74	2	3770.22	6	6	5	6	4449.74	34.9	24.98	42.57	0	0		
	Total	94	3963.29	49	4039.83	94	87	81	94	3963.29	66.80	30.13	43.38	0	0		

Table 10(vi)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl. No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	6	3785.10	1	580.32	6	3785.10	0	0	7	3327.27
2	Kollam	0	0	0	0.00	0	0.00	0	0.00	0	0	0	0.00
3	Pathanamthitta	0	0	1	912.64	3	1078.24	1	912.64	0	0	4	1036.84
4	Alappuzha	0	0	0	0.00	11	4579.34	0	0.00	0	0	11	4579.34
5	Kottayam	0	0	0	0.00	8	4591.26	0	0.00	0	0	8	4591.26
6	Idukki	0	0	3	3563.23	1	4214.96	3	3563.23	0	0	4	3726.16
7	Ernakulam	0	0	3	2645.92	5	2932.96	3	2645.92	0	0	8	2825.32
8	Thrissur	0	0	4	6377.01	6	4687.82	4	6377.01	0	0	10	5363.50
9	Palakkad	0	0	3	4777.87	3	2786.67	3	4777.87	0	0	6	3782.27
10	Malappuram	0	0	5	6274.56	5	4833.60	5	6274.56	0	0	10	5554.08
11	Kozhikode	0	0	6	3394.90	2	5097.82	6	3394.90	0	0	8	3620.64
12	Wayanad	0	0	2	2951.36	2	4881.52	2	2951.36	0	0	4	3916.44
13	Kannur	0	0	8	1962.77	0	0.00	8	1962.77	0	0	8	1962.77
14	Kasaragod	0	0	4	4789.50	2	3770.22	4	4789.50	0	0	6	4449.74
	Total	0	0	45	3879.94	49	4039.83	45	3879.94	0	0	94	3963.29

Table 10(vii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2012-13 SEASON : SUMMER PADDY CENTRAL SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers										Experiments not Treated with Fertilizers	
		Rate(KG/Ha)		Yield Rate (KG/Ha)		No. of Experiments					Rate of application					No.	Yield Rate(KG/Ha)
		No.	Yield	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate (KG/Ha)	N	P	K	No.	Yield		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
1	Thiruvananthapuram	8	3521.21	0	0	8	8	5	8	3521.21	70.88	35.75	56.60	0	0		
2	Kollam	6	3409.47	0	0	6	6	5	6	3409.47	65.00	25.50	46.20	0	0		
3	Pathanamthitta	4	4137.24	2	4530.08	4	4	3	4	4137.24	73.75	44.00	41.00	0	0		
4	Alappuzha	4	2575.60	2	2679.00	4	4	3	4	2575.60	75.25	45.25	89.33	0	0		
5	Kottayam	8	3569.37	8	3569.37	8	8	8	8	3569.37	84.00	43.63	63.00	0	0		
6	Idukki	4	4255.38	3	4258.83	4	4	0	4	4255.38	63.25	34.50	0	0	0		
7	Ernakulam	8	2431.56	2	3652.40	8	8	5	8	2431.56	45.00	31.38	25.00	0	0		
8	Thrissur	10	4442.74	7	5418.98	9	9	9	9	4962.89	50.22	28.00	57.44	1	171.12		
9	Pala k kad	10	3648.00	3	3506.13	8	8	5	8	3453.25	91.00	45.25	77.80	2	4427.00		
10	Malappuram	10	5801.08	1	5719.00	10	10	9	10	5801.08	71.90	36.40	50.56	0	0		
11	Kozhikode	8	2580.76	2	3674.58	8	8	7	8	2580.76	53.63	35.50	45.29	0	0		
12	Wayanad	4	2962.40	0	0	4	4	0	4	2962.40	30.50	30.50	0	0	0		
13	Kannur	8	2308.73	0	0	8	8	6	8	2308.73	34.46	36.19	35.85	0	0		
14	Kasaragod	6	4450.98	0	0	5	5	3	5	4496.74	69.60	47.40	39.67	1	4222.20		
	State	98	3643.84	30	4152.46	94	94	68	94	3662.33	62.75	37.09	52.31	4	3311.83		

Table 10(viii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	8	3521.21	0	0	8	3521.21	0	0	8	3521.21
2	Kollam	0	0	6	3409.47	0	0	6	3409.47	0	0	6	3409.47
3	Pathanamthitta	0	0	2	3744.40	2	4530.08	2	3744.40	0	0	4	4137.24
4	Alappuzha	0	0	2	2472.20	2	2679.00	2	2472.20	0	0	4	2575.60
5	Kottayam	0	0	0	0	8	3569.37	0	0	0	0	8	3569.37
6	Idukki	0	0	1	4245.04	3	4258.83	1	4245.04	0	0	4	4255.38
7	Ernakulam	0	0	6	2024.61	2	3652.40	6	2024.61	0	0	8	2431.56
8	Thrissur	0	0	2	3366.60	8	4763.00	2	3366.60	1	171.12	9	4962.89
9	Palakkad	2	4427.00	7	3708.80	3	3506.13	5	3421.52	0	0	10	3648.00
10	Malappuram	0	0	9	5810.20	1	5719.00	9	5810.20	0	0	10	5801.08
11	Kozhikode	0	0	6	2216.15	2	3674.58	6	2216.15	0	0	8	2580.76
12	Wayanad	0	0	4	2962.40	0	0	4	2962.40	0	0	4	2962.40
13	Kannur	0	0	8	2308.73	0	0	8	2308.73	0	0	8	2308.73
14	Kasaragod	1	4222.20	6	4450.98	0	0	5	4496.74	0	0	6	4450.98
	Total	3	4358.73	67	3474.05	31	4024.03	64	3432.58	1	0	97	3683.87

STATE : KERALA

YEAR : 2012-13

SEASON : SUMMER PADDY

CENTRAL SAMPLE

Table 11(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA YEAR : 2012-13 STATE SAMPLE
 SEASON : ANNUAL CROP : BANANA

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta						
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	4	4				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	6	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad						
13	Kannur	4	4				
14	Kasaragod	4	4				
Total for all crops		50	48				

Table 11(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2012-13

SEASON : Annual

CROP : Banana

CENTRAL SAMPLE

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2		4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta						
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	4	4				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	6	6				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad						
13	Kannur	4	4				
14	Kasaragod	4	4				
	Total	50	50				

Table 11(iii)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

STATE : KERALA

YEAR : 2012-13

SEASON : ANNUAL

CROP : BANANA

STATE SAMPLE

Sl.No	District	No. of expts. Checked at harvest				HY varieties				Other Varieties				Both Hy & Others						
		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Total		
		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	TVM	4	0	0	0	0	4	12692	4	12692	0	0	4	12691.7	4	12691.7	0	0	4	12691.67
2	KLM	4	0	0	0	0	4	12408	4	12408	0	0	4	12408.3	4	12408.3	0	0	4	12408.33
3	PTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	ALP	4	0	0	0	0	4	14525	4	14525	0	0	4	14525	4	14525	0	0	4	14525
5	KTM	4	0	0	0	0	4	16983	4	16983	0	0	4	16983.3	4	16983.3	0	0	4	16983.33
6	IDK	4	0	0	0	0	4	19708	4	19708	0	0	4	19708.3	4	19708.3	0	0	4	19708.33
7	EKM	4	0	0	0	0	4	14583	4	14583	0	0	4	14583.3	4	14583.3	0	0	4	14583.33
8	TSR	4	1	21933.3	0	0	1	21933.33	3	17067	0	0	3	17066.7	4	18283.3	0	0	4	18283.33
9	PKD	4	0	0	0	0	4	8683	4	8683	0	0	4	8683.33	4	8683.33	0	0	4	8683.33
10	MLP	4	0	0	0	0	4	15450	4	15450	0	0	4	15450	4	15450	0	0	4	15450
11	KKD	4	0	0	0	0	4	16666.7	4	16666.7	0	0	4	16666.7	4	16666.7	0	0	4	16666.67
12	WYD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	KNR	4	0	0	0	0	4	15592	4	15592	0	0	4	15591.7	4	15591.7	0	0	4	15591.67
14	KSGD	4	0	0	0	0	4	18708	4	18708	0	0	4	18708.3	4	18708.3	0	0	4	18708.33
	State	48	1	21933.3	0	0	1	21933.33	43	15082	4	16666.7	47	15217	44	15237.9	4	16666.7	48	15356.94

Table 11(iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	STATE : KERALA				YEAR : 2012-13				SEASON : ANNUAL				CROP : BANANA				CENTRAL SAMPLE					
		HY varieties		Other Varieties		HY varieties		Other Varieties		HY varieties		Other Varieties		HY varieties		Other Varieties		HY varieties		Other Varieties			
		Irrigated	Un irrigated	Total	Irrigated	Un irrigated	Irrigated	Un irrigated	Irrigated	Un irrigated	Irrigated	Un irrigated	Irrigated	Un irrigated	Irrigated	Un irrigated	Irrigated	Un irrigated	Irrigated	Un irrigated	Irrigated	Un irrigated	
		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			
1	TVM	4	0	0	0	0	0	0	4	10058	0	0	4	10058.3	4	10058.3	0	0	4	10058.33			
2	KLM	4	0	0	0	0	0	0	0	0	4	13116.7	4	13116.7	0	0	4	13116.7	4	13116.67			
3	PTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
4	ALP	4	0	0	0	0	0	0	3	11700	1	13033.3	4	12033.3	3	11700	1	13033.3	4	12033.33			
5	KTM	4	0	0	0	0	0	0	0	0	4	11083.3	4	11083.3	0	0	4	11083.3	4	11083.33			
6	IDK	4	0	0	0	0	0	0	1	17300	3	20922.2	4	20016.7	1	17300	3	20922.2	4	20016.67			
7	EKM	4	0	0	0	0	0	0	3	15000	1	9066.67	4	13516.7	3	15000	1	9066.67	4	13516.67			
8	TSR	4	2	16300	0	0	2	16300	2	11633	0	0	2	11633.3	4	13966.7	0	0	4	13966.67			
9	PKD	6	0	0	0	0	0	0	4	13150	2	11533.3	6	12611.1	4	13150	2	11533.3	6	12611.11			
10	MLP	4	0	0	0	0	0	0	4	21358	0	0	4	21358.3	4	21358.3	0	0	4	21358.33			
11	KKD	4	0	0	0	0	0	0	4	12950	0	0	4	12950	4	12950	0	0	4	12950			
12	WYD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
13	KNR	4	0	0	0	0	0	0	3	17600	1	18200	4	17750	3	17600	1	18200	4	17750			
14	KSGD	4	0	0	0	0	0	0	4	18533	0	0	4	18533.3	4	18533.3	0	0	4	18533.33			
	State	50	2	16300	0	0	2	16300	32	14927	16	13933.3	48	14595.8	34	15007.8	16	13933.3	50	14664			

Table 11(v)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2012-13 SEASON : ANNUAL CROP : BANANA STATE SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		No.	Yield Rate	No.	Yield Rate	No. of Experiments			Rate of application			No.	Yield Rate		
						N	P	K	Yield Rate	N	P			K	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	12691.667	0	0	4	4	0	4	12691.667	256.84	119.3	0	0	0
2	Kollam	4	12408.333	1	14600	4	4	0	4	12408.333	57.68	22.82	0	0	0
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	14525	1	15833.3	1	1	1	1	15833.333	456	180	930	3	14088.89
5	Kottayam	4	16983.333	0	0	4	4	2	4	16983.333	130.25	95.75	119.5	0	0
6	Idukki	4	19708.333	0	0	1	1	0	1	16666.667	0.9	0.9	0	3	20722.22
7	Ernakulam	4	14583.333	0	0	3	3	3	3	15166.667	124.67	101.43	101.43	1	12833.33
8	Thrissur	4	18283.333	0	0	4	3	2	4	18283.333	152.7	79.6	150	0	0
9	Palakkad	4	8683.333	0	0	2	1	3	3	9688.889	198	120	80.06	1	5666.667
10	Malappuram	4	16666.667	1	17066.7	0	0	1	1	17066.667	0	0	45	3	16533.33
11	Kozhikode	4	15450	0	0	4	4	2	4	15450	226	226	322	0	0
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	kannur	4	15591.667	1	13933.3	4	4	1	4	15591.667	504	313.5	600	0	0
14	Kasaragod	4	18708.333	0	0	3	4	1	4	18708.333	256.67	137.75	136	0	0
	Total	48	15356.94	4	15358.3	34	33	16	37	15259.46	214.88	127	276	11	15684.85

Table 11(vi)

CROP-WISE RATE OF APPLICATION FERTILIZERS AND YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	STATE: KERALA		YEAR: 2012-13		SEASON : ANNUAL		CROP : BANANA		STATE SAMPLE			
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)		
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	4	12691.667	0	0	4	12691.7	0	0	4	12691.7
2	Kollam	0	0	3	11677.778	1	14600	3	11677.8	0	0	4	12408.3
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	2	10966.667	2	10966.667	2	18083.33	0	0	1	20333.333	3	12588.9
5	Kottayam	0	0	4	16983.333	0	0	4	16983.3	0	0	4	16983.3
6	Idukki	2	19083.333	3	18277.778	1	24000	1	16666.7	1	24000	3	18277.8
7	Ernakulam	0	0	3	15166.667	1	12833.33	3	15166.7	1	12833.333	3	15166.7
8	Thrissur	0	0	4	18283.333	0	0	4	18283.3	0	0	4	18283.3
9	Palakkad	0	0	3	9688.889	1	5666.667	3	9688.89	1	5666.667	3	9688.89
10	Malappuram	3	16533.333	3	16533.333	1	17066.67	0	0	0	0	4	16666.7
11	Kozhikode	0	0	4	15450	0	0	4	15450	0	0	4	15450
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	3	16144.444	1	13933.33	3	16144.4	0	0	4	15591.7
14	Kasaragod	0	0	4	18708.333	0	0	4	18708.3	0	0	4	18708.3
	Total	7	15671.43	40	15321.67	8	15533.33	33	15247.5	4	15708.33	44	15325

Table 11(viii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2012-13 SEASON : ANNUAL BANANA CENTRAL SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		Rate(KG/Ha)		Yield Rate(KG/Ha)		No. of Experiments			Rate of application			No.	Yield Rate(KG/Ha)		
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	10058.33	0.00	0	3.00	3.00	3.00	3.00	9877.78	52.33	26.33	48.33	1.00	10600.00
2	Kollam	4	13116.67	0.00	0	3.00	3.00	3.00	3.00	12711.11	150.00	81.00	107.00	1.00	14333.33
3	Pathanamthitta	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Alappuzha	4	12033.33	0.00	0	1.00	1.00	3.00	3.00	11700.00	8.00	8.00	92.33	1.00	13033.33
5	Kottayam	4	11083.33	0.00	0	3.00	2.00	3.00	3.00	9766.67	281.67	244.50	114.33	1.00	15033.33
6	Idukki	4	20016.67	0.00	0	3.00	3.00	0.00	3.00	21655.56	93.67	55.67	0.00	1.00	15100.00
7	Ernakulam	4	13516.67	0.00	0	3.00	3.00	0.00	3.00	15000.00	157.00	115.33	0.00	1.00	9066.67
8	Thrissur	4	13966.67	0.00	0	4.00	4.00	2.00	4.00	13966.67	121.50	€8.75	94.00	0.00	0.00
9	Palakkad	6	12611.11	1.00	11600.00	6.00	5.00	3.00	6.00	12611.11	552.83	577.80	652.33	0.00	0.00
10	Malappuram	4	21358.33	0.00	0.00	4.00	4.00	1.00	4.00	21358.33	305.00	159.00	32.00	0.00	0.00
11	Kozhikode	4	12950.00	1.00	18333.33	3.00	3.00	2.00	3.00	15155.56	76.00	76.00	348.00	1.00	6333.33
12	Wayanad	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Kannur	4	17750.00	0.00	0.00	3.00	2.00	1.00	3.00	17577.78	176.33	305.00	128.00	1.00	18266.67
14	Kasaragod	4	18533.33	0.00	0.00	2.00	2.00	2.00	3.00	19266.67	153.00	106.50	371.50	1.00	16333.33
	Total	50	14664	2	14966.67	38	35	23	41	15002.44	177.28	151.99	198.78	9	13122.22

Table 11(viii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	1	10600	4	10058.333	0	0	3	9877.78	0	0	4	10058.3
2	Kollam	1	14333.333	4	13116.667	0	0	3	12711.1	0	0	4	13116.7
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	1	13033.333	4	12033.333	0	0	3	11700	0	0	4	12033.3
5	Kottayam	1	15033.333	4	11083.333	0	0	3	9766.67	0	0	4	11083.3
6	Idukki	1	15100	4	20016.667	0	0	3	21655.6	0	0	4	20016.7
7	Ernakulam	0	0	3	15000	1	9066.667	3	15000	1	9066.667	3	15000
8	Thrissur	0	0	4	13966.667	0	0	4	13966.7	0	0	4	13966.7
9	Palakkad	0	0	5	12813.333	1	11600	5	12813.3	0	0	6	12611.1
10	Malappuram	0	0	4	21358.333	0	0	4	21358.3	0	0	4	21358.3
11	Kozhikode	1	6333.333	3	11155.556	1	18333.33	2	13566.7	0	0	4	12950
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	18266.667	4	17750	0	0	3	17577.8	0	0	4	17750
14	Kasaragod	1	16333.333	4	18533.333	0	0	3	19266.7	0	0	4	18533.3
	Total	8	13629.17	47	14770.21	3	13000	39	15004.3	1	9066.67	49	14778.2

Table 12(i)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2012-13

STATE SAMPLE

CROP : Tapioca

SEASON : Annual

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
Total		40	40				

Table 12(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA YEAR : 2012-13 CENTRAL SAMPLE

SEASON : Annual CROP : Tapioca

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
	Total	40	40				

Table 12(iii)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No.	District	STATE : KERALA		YEAR : 2012-13		SEASON : ANNUAL		CROP : TAPIOCA		STATE SAMPLE										
		HY varieties		Other Varieties		Irrigated		Un irrigated		Irrigated		Un irrigated		Total						
		No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	TVM	4	0	0	0	0	0	0	1	37500	3	32083.3	4	33437.5	1	37500	3	32083.3	4	33437.5
2	KLM	4	0	0	0	0	0	0	0	0	4	26937.5	4	26937.5	0	0	4	26937.5	4	26937.5
3	PTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	ALP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	KTM	4	0	0	0	0	0	0	1	19000	3	45666.7	4	39000	1	19000	3	45666.7	4	39000
6	IDK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	EKM	4	1	30000	1	6250	2	18125	0	0	2	66875	2	66875	1	30000	3	46666.7	4	42500
8	TSR	4	2	35625	0	0	2	35625	0	0	2	42500	2	42500	2	35625	2	42500	4	39062.5
9	PKD	4	0	0	0	0	0	0	3	15833	1	1250	4	12187.5	3	15833.3	1	1250	4	12187.5
10	MLP	4	1	46250	1	48000	2	47125	2	19375	0	0	2	19375	3	28333.3	1	48000	4	33250
11	KKD	4	0	0	0	0	0	0	1	23750	3	14583.3	4	16875	1	23750	3	14583.3	4	16875
12	WYD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	KNR	4	1	27500	0	0	1	27500	0	0	3	22375	3	22375	1	27500	3	22375	4	23656.25
14	KSGD	4	0	0	0	0	0	0	0	0	4	11937.5	4	11937.5	0	0	4	11937.5	4	11937.5
	State	40	5	35000	2	27125	7	32750	8	20813	25	28786	33	26852.3	13	26269.2	27	28662	40	27884.38

Table 12(iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES
STATE:KERALA **YEAR: 2012-13** **SEASON:ANNUAL** **CROP : TAPIOCA** **CENTRAL SAMPLE**

Sl.No	District	No. of expts. Checked at harvest	HV varieties				Other Varieties				Both Hy & Others				Total					
			Irrigated	Un irrigated	Total	Irrigated	Un irrigated	total	Irrigated	Un irrigated	Irrigated	Un irrigated	No. of Experiments	Yield Rate Kg/Ha						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	TVM	4	0	0	0	0	0	0	2	24687.5	2	33750	4	29218.8	2	24687.5	2	33750	4	29218.75
2	KLM	4	0	0	0	0	0	0	1	121875	3	37833.3	4	58843.8	1	121875	3	37833.3	4	58843.75
3	PTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	ALP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	KTM	4	1	48750	1	21250	2	35000	2	26875	0	0	2	26875	3	34166.7	1	21250	4	30937.5
6	IDK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	EKM	4	0	0	0	0	0	0	2	27250	2	50000	4	38625	2	27250	2	50000	4	38625
8	TSR	4	1	70000	1	36250	2	53125	1	16250	1	27500	2	21875	2	43125	2	31875	4	37500
9	PKD	4	1	26250	1	28750	2	27500	1	18750	1	18750	2	18750	2	22500	2	23750	4	23125
10	MLP	4	2	48375	0	0	2	48375	1	21500	1	33750	2	27625	3	39416.7	1	33750	4	38000
11	KKD	4	1	27500	1	7500	2	17500	2	27500	0	0	2	27500	3	27500	1	7500	4	22500
12	WYD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	KNR	4	0	0	0	0	0	0	1	27500	3	35333.3	4	33375	1	27500	3	35333.3	4	33375
14	KSGD	4	0	0	0	0	0	0	0	0	4	32187.5	4	32187.5	0	0	4	32187.5	4	32187.5
	State	40	6	44875	4	23437.5	10	36300	13	32192.3	17	35044.1	30	33808.3	19	36197.4	21	32833.3	40	34431.25

Table 12(v)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2012-13 SEASON : ANNUAL CROP:TAPIOCA STATE SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		Rate of application		Rate of application		Rate of application		Rate of application		Rate of application		Yield Rate(KG/Ha)	Yield		
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	33437.5	0	0	1	1	0	1	37500	62.6	62.6	0	3	32083.333
2	Kollam	4	26937.5	0	0	1	1	1	1	32000	89.18	46.4	37.2	3	25250
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	39000	2	62500	2	1	2	2	62500	71	50	312.5	2	15500
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	42500	0	0	2	2	1	2	18125	73	60.5	50	2	6687.5
8	Thrissur	4	39062.5	0	0	0	0	0	0	0	0	0	0	4	39062.5
9	Palakkad	4	12187.5	0	0	1	1	1	1	8750	25	25	150	3	13333.333
10	Malappuram	4	33250	0	0	0	0	0	0	0	0	0	0	4	33250
11	Kozhikode	4	16875	0	0	1	1	1	1	23750	61.75	61.75	61.75	3	14583.333
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	23656.25	2	35625	2	1	1	2	35625	173.5	200	90	2	11687.5
14	Kasaragod	4	11937.5	0	0	0	0	0	0	0	0	0	0	4	11937.5
	State	40	27884.38	4	49062.5	10	8	7	10	33450	79.43	72.32	116.91	30	26029.17

Table 12(vi)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2012-13 SEASON : ANNUAL CROP : TAPIOCA STATE SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	3	32083.333	4	33437.5	0	0	1	37500	0	0	4	33437.5
2	Kollam	3	25250	4	26937.5	0	0	1	32000	0	0	4	26937.5
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	1	12000	1	12000	3	48000	0	0	1	19000	3	45666.7
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	2	66875	4	42500	0	0	2	18125	0	0	4	42500
8	Thrissur	1	28750	1	28750	3	42500	0	0	3	42500	1	28750
9	Palakkad	2	12500	3	11250	1	15000	1	8750	1	15000	3	11250
10	Malappuram	4	33250	4	33250	0	0	0	0	0	0	4	33250
11	Kozhikode	3	14583.333	4	16875	0	0	1	23750	0	0	4	16875
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	11687.5	2	11687.5	2	35625	0	0	0	0	4	23656.3
14	Kasaragod	1	10000	1	10000	3	12583.33	0	0	3	12583.333	1	10000
	State	22	26437.5	28	25709.82	12	32958.33	6	23041.7	8	24906.25	32	28628.9

Table 12(vii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2012-13 SEASON : ANNUAL CROP :TAPIOCA CENTRAL SAMPLE

Sl. No	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		Yield Rate		Yield Rate		No. of Experiments			Rate of application			No.	Yield Rate		
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	29218.75	1	21250	3	3	3	3	36458.333	14	14	28	1	7500
2	Kollam	4	58843.75	0	0	3	3	1	3	66375	34.67	34.67	93	1	36250
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	30937.5	0	0	1	1	1	1	36250	48	48	96	3	29166.667
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	38625	0	0	3	3	1	3	41500	100.33	100.33	222	1	30000
8	Thrissur	4	37500	0	0	3	2	3	3	40833.333	84	69	177.67	1	27500
9	Palakkad	4	23125	1	26250	1	1	0	1	26250	145	145	0	3	22083.333
10	Malappuram	4	38000	4	38000	4	4	2	4	38000	152	97.25	200	0	0
11	Kozhikode	4	22500	0	0	2	2	0	2	40000	179	179	0	2	5000
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	33375	0	0	1	1	0	1	66250	912	912	0	3	22416.667
14	Kasaragod	4	32187.5	0	0	1	0	0	1	38750	727	0	0	3	30000
	Total	40	34431.25	6	33250	22	20	11	22	43409.09	239.6	177.69	136.11	18	23458.33

Table 12(viii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No	District	STATE : KERALA		YEAR : 2012-13		SEASON : ANNUAL		CROP : TAPIOCA		CENTRAL SAMPLE			
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	1	7500	3	31875	1	21250	2	44062.5	0	0	4	29218.8
2	Kollam	1	36250	4	58843.75	0	0	3	66375	0	0	4	58843.8
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	2	33125	3	34166.667	1	21250	1	36250	1	21250	3	34166.7
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	3	41500	1	30000	3	41500	1	30000	3	41500
8	Thrissur	0	0	3	40833.333	1	27500	3	40833.3	1	27500	3	40833.3
9	Palakkad	3	22083.333	3	22083.333	1	26250	0	0	0	0	4	23125
10	Malappuram	0	0	0	0	4	38000	0	0	0	0	4	38000
11	Kozhikode	2	5000	4	22500	0	0	2	40000	0	0	4	22500
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	22416.667	4	33375	0	0	1	66250	0	0	4	33375
14	Kasaragod	3	30000	4	32187.5	0	0	1	38750	0	0	4	32187.5
	Total	15	22900	31	35451.61	9	30916.67	16	47218.8	3	26250	37	35094.6

Table 13(i)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2012-13

STATE SAMPLE

Sl.No.	District	SEASON : ANNUAL		CROP : COCONUT				For which Schedules are not received
		Planned	No of experiments Checked at harvest	At post harvest	Lost	Rejected for analysis		
1	2	3	4	5	6	7	8	
1	Thiruvananthapuram	4	4					
2	Kollam	4	4					
3	Pathanamthitta							
4	Alappuzha	4	4					
5	Kottayam	4	4					
6	Idukki	4	4					
7	Ernakulam	4	4					
8	Thrissur	4	4					
9	Palakkad	6	6					
10	Malappuram	4	4					
11	Kozhikode	4	4					
12	Wayanad							
13	Kannur	4	4					
14	Kasaragod	4	4					
	Total	50	50					

Table 13(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

Sl.No.	District	SEASON : ANNUAL		CENTRAL SAMPLE			
		Planned	Checked at harvest	At post harvest	Lost	Rejected for analysis	For which Schedules are not received
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta						
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	4	4				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	6	6				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad						
13	Kannur	4	4				
14	Kasaragod	4	4				
	Total	50	50				

Table 13(iii)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

STATE : KERALA

YEAR: 2012-13

CROP : COCONUT

STATE SAMPLE

Sl.No	District	No. of expts. Checked at harvest				HY varieties						Other Varieties						Both Hy & Others				Total			
		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Irrigated		Un irrigated					
		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha
1	2	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21						
1	TVM	4	0	0	0	0	0	0	0	4	10861.95	4	10861.95	0	0	4	10861.95	4	10861.95	4	8589	4	8589	4	8589
2	KLM	4	0	0	0	0	0	0	0	4	8589	4	8589	0	0	4	8589	4	8589	4	0	4	0	4	0
3	PTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	ALP	4	0	0	0	0	0	2	9598.5	2	11352.3	4	10475.4	2	9598.5	2	11352.3	4	10475.4	2	9598.5	2	9598.5	2	11352.3
5	KTM	4	0	0	0	0	0	0	0	4	6569.8	4	6569.8	0	0	4	6569.8	4	6569.8	4	0	4	0	4	6569.8
6	IDK	4	0	0	0	0	0	2	4890.6	2	5831.1	4	5360.85	2	4890.6	2	5831.1	4	5360.85	2	4890.6	2	4890.6	2	5831.1
7	EKM	4	0	0	0	0	0	2	16562	2	5603.2	4	11082.8	2	16562	2	5603.2	4	11082.8	2	16562	2	16562	2	5603.2
8	TSR	4	0	0	0	0	0	2	9314.1	4	7216.65	6	7915.8	2	9314.1	4	7216.65	6	7915.8	2	9314.1	4	7216.65	6	7915.8
9	PKD	6	0	0	0	0	0	1	13038	3	11801.07	4	12110.4	1	13038.4	3	11801.07	4	12110.4	1	13038.4	3	11801.07	4	12110.4
10	MLP	4	0	0	0	0	0	0	0	4	8557	4	8557	0	0	4	8557	4	8557	0	0	4	8557	4	8557
11	KKD	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	WYD	0	0	0	0	0	0	1	5754	3	5236	4	5365.5	1	5754	3	5236	4	5365.5	1	5754	3	5236	4	5365.5
13	KNR	4	0	0	0	0	0	1	5916	3	8472.8	4	7833.6	1	5916	3	8472.8	4	7833.6	1	5916	3	8472.8	4	7833.6
14	KSGD	4	0	0	0	0	0	1	5916	3	8472.8	4	7833.6	1	5916	3	8472.8	4	7833.6	1	5916	3	8472.8	4	7833.6
	State	50	0	0	0	0	0	11	9585.4	39	8143.47	50	8460.7	11	9585.42	39	8143.47	50	8460.7	11	9585.42	39	8143.47	50	8460.7

Table 13(iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	No. of expts. Checked at harvest		HY varieties				Other Varieties				Both Hy & Others								
		Irrigated	Un irrigated	Total	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Irrigated	Un irrigated	Total	No. of Experiments	Yield Rate Kg/Ha	Irrigated	Un irrigated	Total				
1	2	4	6	9	8	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	TVM	0	0	0	0	0	0	0	0	0	4	6106.3	4	6106.3	0	0	4	6106.3	4	6106.3
2	KLM	0	0	0	0	0	0	0	0	0	4	6006	4	6006	0	0	4	6006	4	6006
3	PTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	ALP	0	0	0	0	0	0	0	4	7134	0	0	4	7133.7	4	7133.7	0	0	4	7133.7
5	KTM	0	0	0	0	0	0	0	0	0	4	5435.6	4	5435.6	0	0	4	5435.6	4	5435.6
6	IDK	0	0	0	0	0	0	0	0	0	4	5678.75	4	5678.75	0	0	4	5678.75	4	5678.75
7	EKM	0	0	0	0	0	0	0	1	4598	3	5280.73	4	5110.05	1	4598	3	5280.73	4	5110.05
8	TSR	0	0	0	0	0	0	0	4	8621	0	0	4	8621.1	4	8621.1	0	0	4	8621.1
9	PKD	1	0	9954	1	0	9954	1	10238	4	7169.25	5	7783.08	2	10096.2	4	7169.25	6	8144.9	
10	MILP	0	0	0	0	0	0	0	0	0	4	13247.2	4	13247.2	0	0	4	13247.2	4	13247.2
11	KKD	0	0	0	0	0	0	0	0	0	4	9288	4	9288	0	0	4	9288	4	9288
12	WYD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	KNR	0	0	0	0	0	0	0	0	0	4	6751.5	4	6751.5	0	0	4	6751.5	4	6751.5
14	KSGD	0	0	0	0	0	0	0	0	0	4	8976	4	8976	0	0	4	8976	4	8976
State		1	0	9954	10	7786	39	7448.12	49	7516.98	11	7982.69	39	7448.12	50	7565.72				

STATE:KERALA

YEAR: 2012-13

CROP : COCONUT

CENTRAL SAMPLE

Table 13(v)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl. No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		No. of Experiments			Rate of application			Yield Rate(KG/Ha)	No.		
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	10861.95	0	0	0	0	0	0	0	0	0	0	4	10861.95
2	Kollam	4	8589	0	0	2	0	2	2	7497	0.22	0	0.38	2	9681
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	10475.4	0	0	1	0	0	1	10333.2	92	0	0	3	10522.8
5	Kottayam	4	6569.8	0	0	1	1	1	1	10571.6	9	9	9	3	5235.867
6	Idukki	4	7078.75	0	0	0	0	0	0	0	0	0	0	4	7078.75
7	Ernakulam	4	5360.85	0	0	0	0	0	0	0	0	0	0	4	5360.85
8	Thrissur	4	11082.8	0	0	0	0	0	0	0	0	0	0	4	11082.8
9	Palakkad	6	7915.8	0	0	1	1	1	1	9053.4	215	100	150	5	7688.28
10	Malappuram	4	12110.4	0	0	1	1	1	1	13038.4	230	165	158	3	11801.067
11	Kozhikode	4	8557	0	0	0	0	0	0	0	0	0	0	4	8557
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	5365.5	0	0	0	0	1	1	5796	0	0	180	3	5222
14	Kasaragod	4	7833.6	0	0	0	0	0	0	0	0	0	0	4	7833.6
	Total	50	8460.7	0	0	6	3	6	7	9112.37	109.24	91.33	99.48	43	8354.61

Table 13(vi)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	STATE : KERALA			YEAR : 2012-13			SEASON : ANNUAL			CROP : COCONUT			STATE SAMPLE					
		Experiments Treated with Manure Only			Experiments Treated With Manure			Experiments Not Treated With Manures			Experiments Treated (both) With Fertilizers & Manure			Experiments Not Treated With Fertilizers & Manure			Experiments Treated With Fertilizers or Manure or Both		
		No.	Yield Rate(KG/Ha)	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28						
1	Thiruvananthapuram	4	10861.95	4	10861.95	0	0	0	0	0	0	0	0	10861.95			4	10861.95	
2	Kollam	2	9681	4	8589	4	8589	0	0	2	7497	0	0	8589			4	8589	
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	
4	Alappuzha	0	0	1	10333.2	3	10522.8	1	10333.2	3	10522.8	1	10333.2	10333.2			1	10333.2	
5	Kottayam	1	6034.8	2	8303.2	2	4836.4	1	10571.6	1	4836.4	2	8303.2	4836.4			2	8303.2	
6	Idukki	4	7078.75	4	7078.75	0	0	0	0	0	0	0	0	0			4	7078.75	
7	Ernakulam	3	4904.533	3	4904.533	1	6729.8	0	0	1	6729.8	3	4904.533	6729.8			3	4904.533	
8	Thrissur	1	16933.2	1	16933.2	3	9132.667	0	0	3	9132.667	1	16933.2	9132.667			1	16933.2	
9	Palakkad	1	15499.8	2	12276.6	4	5735.4	1	9053.4	4	5735.4	2	12276.6	5735.4			2	12276.6	
10	Malappuram	2	12249.6	3	12512.533	1	10904	1	13038.4	1	10904	3	12512.53	10904			3	12512.53	
11	Kozhikode	3	9460	3	9460	1	5848	0	0	1	5848	3	9460	5848			3	9460	
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	
13	Kannur	3	5222	4	5365.5	0	0	1	5796	1	5796	0	0	5365.5			4	5365.5	
14	Kasaragod	3	7534.4	3	7534.4	1	8731.2	0	0	1	8731.2	3	7534.4	8731.2			3	7534.4	
	Total	27	8720.54	34	8801.21	16	7737.11	7	9112.37	16	7737.11	34	8801.21	7737.11			34	8801.21	

Table 13(vii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		No. of Experiments				Experiments With Fertilizers				Experiments not Treated with Fertilizers	
		STATE : KERALA		YEAR : 2012-13		SEASON : ANNUAL		CROP: COCONUT		CENTRAL SAMPLE				No.	Yield Rate (KG/Ha)
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	N	P	K	Exclusive Total	Yield Rate (KG/Ha)	N	P	K		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	6106.3	0	0	4	4	2	4	6106.3	103.5	97.25	51.5	0	0
2	Kollam	4	6006	0	0	0	0	0	0	0	0	0	0	4	6006
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	7133.7	0	0	0	0	0	0	0	0	0	0	4	7133.7
5	Kottayam	4	5435.6	0	0	0	0	0	0	0	0	0	0	4	5435.6
6	Idukki	4	5678.75	1	4340	1	1	2	2	4445	107	107	177	2	6912.5
7	Ernakulam	4	5110.05	0	0	1	1	2	2	5580.3	60	50	180	2	4639.8
8	Thrissur	4	8621.1	0	0	1	1	2	2	9640.8	37	37	72	2	7601.4
9	Palakkad	6	8144.9	0	0	2	2	0	2	10333.2	55	55	0	4	7050.75
10	Malappuram	4	13247.2	0	0	2	0	2	2	11716	116	0	101	2	14778.4
11	Kozhikode	4	9288	0	0	1	1	1	1	7740	12	8	31	3	9804
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	6751.5	0	0	0	0	0	0	0	0	0	0	4	6751.5
14	Kasaragod	4	8976	0	0	0	0	0	0	0	0	0	0	4	8976
	Total	50	7565.72	1	4340	12	10	11	15	7706.39	70.07	60.71	102.08	35	7505.44

Table 13(viii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2012-13 SEASON : ANNUAL CROP : COCONUT CENTRAL SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Treated With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both			
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28				
1	Thiruvananthapuram	0	0	4	6106.3	0	0	4	6106.3	0	0	4	6106.3	0	0	4	6106.3
2	Kollam	4	6006	4	6006	0	0	0	0	0	0	4	6006	0	0	4	6006
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	1	9148.2	1	9148.2	3	6462.2	0	0	3	6462.2	1	9148.2	0	0	1	9148.2
5	Kottayam	2	4686.6	2	4686.6	2	6184.6	0	0	2	6184.6	2	4686.6	0	0	2	4686.6
6	Idukki	2	6912.5	3	6125	1	4340	1	4550	0	0	4	5678.75	0	0	4	5678.75
7	Ernakulam	0	0	2	5580.3	2	4639.8	2	5580.3	2	4639.8	2	5580.3	0	0	2	4639.8
8	Thrissur	2	7601.4	4	8621.1	0	0	2	9640.8	0	0	4	8621.1	0	0	4	8621.1
9	Palakkad	1	10238.4	3	10301.6	3	5988.2	2	10333.2	3	5988.2	3	10301.6	0	0	3	10301.6
10	Malappuram	2	14778.4	4	13247.2	0	0	2	11716	0	0	4	13247.2	0	0	4	13247.2
11	Kozhikode	3	9804	4	9288	0	0	1	7740	0	0	4	9288	0	0	4	9288
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	6751.5	4	6751.5	0	0	0	0	0	0	4	6751.5	0	0	4	6751.5
14	Kasaragod	4	8976	4	8976	0	0	0	0	0	0	4	8976	0	0	4	8976
	Total	25	8147.62	39	8075.54	11	5758.18	14	7946.84	10	5900	40	7982.16				

Table 14(i)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2012-13

SEASON : ANNUAL

CROP : PEPPER

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thirissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
	Total	40	40				

Table 14(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA YEAR : 2012-13 CENTRAL SAMPLE
SEASON : ANNUAL CROP : PEPPER

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2		4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
	Total	40	40				

Table 14(iii)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	STATE:KERALA		YEAR: 2012-13				CROP: PEPPER				STATE SAMPLE								
		HY varieties		Other Varieties		Both Hy & Others		Irrigated		Un irrigated		Irrigated		Un irrigated		Total				
		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha			
		No. of expts. Checked at harvest	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	TVM	4	0	0	0	0	0	0	4	553.06	4	553.06	0	0	0	0	4	553.06	4	553.06
2	KLM	4	0	0	2	838.48	2	838.48	0	0	2	625.1	2	625.1	0	0	4	731.79	4	731.79
3	PTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	ALP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	KTM	4	0	0	0	0	0	0	4	270.76	4	270.76	4	270.76	0	0	4	270.76	4	270.76
6	IDK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	EKM	4	0	0	0	0	0	0	4	504.48	4	504.48	4	504.48	0	0	4	504.48	4	504.48
8	TSR	4	2	882.11	0	0	2	882.11	1	381	1	718.59	2	549.95	3	715.17	1	718.59	4	716.03
9	PKD	4	1	140.79	1	29.33	2	85.06	0	0	2	447.29	2	447.29	1	140.79	3	307.97	4	266.17
10	MLP	4	0	0	0	0	0	0	4	227.13	4	227.13	4	227.13	0	0	4	227.13	4	227.13
11	KKD	4	0	0	0	0	0	0	4	415.21	4	415.21	4	415.21	0	0	4	415.21	4	415.21
12	WYD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	KNR	4	2	519.51	0	0	2	519.51	0	0	2	553.61	2	553.61	2	519.51	2	553.61	4	536.56
14	KSGD	4	1	540.41	1	925.37	2	732.89	0	0	2	549.95	2	549.95	1	540.41	3	675.09	4	641.42
	State	40	6	580.74	4	657.92	10	611.61	1	381	29	446.66	30	444.48	7	652.25	33	472.26	40	486.26

Table 14(iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	STATE : KERALA		YEAR : 2012-13		SEASON : ANNUAL		CROP : PEPPER		CENTRAL SAMPLE				
		HY varieties		Other Varieties		Both Hy & Others		Irrigated		Un irrigated		Total		
No. of expts. Checked at harvest		Irrigated	Un irrigated	Total	Irrigated	Un irrigated	total	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	
1	2	4	6	9	10	12	14	15	16	17	18	19	20	21
1	TVM	0	0	0	0	4	4	330.33	0	0	4	330.33	4	330.33
2	KLM	0	1	192.11	0	3	3	602.25	0	0	4	499.72	4	499.72
3	PTA	0	0	0	0	0	0	0	0	0	0	0	0	0
4	ALP	0	0	0	0	0	0	0	0	0	0	0	0	0
5	KTM	4	1	1374.86	0	3	3	462.59	0	0	4	690.66	4	690.66
6	IDK	0	0	0	0	0	0	0	0	0	0	0	0	0
7	EKM	4	0	0	0	4	4	450.15	0	0	4	450.15	4	450.15
8	TSR	4	0	791.37	2	1	2	273.51	3	566.69	1	273.51	4	493.39
9	PKD	4	1	600.39	3	1	1	668.73	2	710.53	2	634.56	4	672.55
10	MLP	4	1	861.58	2	2	2	820.88	1	1605.84	3	834.45	4	1027.3
11	KKD	4	0	0	0	4	4	968.36	0	0	4	968.36	4	968.36
12	WYD	0	0	0	0	0	0	0	0	0	0	0	0	0
13	KNR	4	0	852.41	2	2	2	272.41	2	852.41	2	272.41	4	562.41
14	KSGD	4	0	0	1	3	4	735.83	1	758.92	3	728.13	4	735.83
	State	40	7	902.07	4	27	29	564.8	9	798.97	31	597.81	40	643.07

Table 14(v)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2012-13 SEASON : ANNUAL CROP : PEPPER STATE SAMPLE

Sl. No.	District	Experiments Checked at harvest Stage			Experiments Treated with Fertilizers Only			Experiments With Fertilizers										Experiments not Treated with Fertilizers	
		Rate of application			No. of Experiments			Rate of application			No. of Experiments			Yield					
		No.	Yield Rate(KG/Ha)	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	Yield Rate(KG/Ha)	N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N	P	K	No.	Yield Rate(KG/Ha)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
1	Thiruvananthapuram	4	553.061	0	0	0	0	0	0	0	0	0	0	4	553.061				
2	Kollam	4	731.793	0	0	0	0	0	0	0	0	0	0	4	731.793				
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
5	Kottayam	4	270.756	0	0	0	0	0	0	0	0	0	0	4	270.756				
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
7	Ernakulam	4	504.483	0	0	0	0	0	0	0	0	0	0	4	504.483				
8	Thrissur	4	716.028	0	0	0	0	0	0	0	0	0	0	4	716.028				
9	Palakkad	4	266.173	0	0	0	0	0	0	0	0	0	0	4	266.173				
10	Malappuram	4	227.127	0	0	0	0	0	0	0	0	0	0	4	227.127				
11	Kozhikode	4	415.208	0	0	0	0	0	0	0	0	0	0	4	415.208				
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
13	Kannur	4	536.563	0	0	0	0	0	0	0	0	0	0	4	536.563				
14	Kasaragod	4	641.419	0	0	0	0	0	0	0	0	0	0	4	641.419				
	State	40	486.26	0	0	0	0	0	0	0	0	0	0	40	486.26				

Table 14(vi)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	STATE : KERALA		YEAR : 2012-13		SEASON : ANNUAL		CROP: PEPPER		STATE SAMPLE			
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)		
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	4	553.061	4	553.061	0	0	0	0	0	0	4	553.061
2	Kollam	4	731.793	4	731.793	0	0	0	0	0	0	4	731.793
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	2	359.297	2	359.297	2	182.215	0	0	2	182.215	2	359.297
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	0	0	4	504.483	0	0	4	504.483	0	0
8	Thrissur	1	1416.658	1	1416.658	3	482.485	0	0	3	482.485	1	1416.66
9	Palakkad	2	85.58	3	58.962	1	5.43	0	0	0	0	3	58.962
10	Malappuram	2	154.351	2	154.351	2	299.903	0	0	2	299.903	2	154.351
11	Kozhikode	2	354.898	2	354.898	2	475.519	0	0	2	475.519	2	354.898
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	0	0	4	536.563	0	0	4	536.563	0	0
14	Kasaragod	2	732.893	2	732.893	2	549.945	0	0	2	549.945	2	732.893
	State	19	522.58	20	496.79	20	431.61	0	0	19	454.04	20	496.79

Table 14(vii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2012-13 SEASON : ANNUAL CROP : PEPPER CENTRAL SAMPLE

Sl. No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No. of Experiments			Rate of application			No.	Yield Rate (KG/Ha)		
						N	P	K	Yield Rate (KG/Ha)	N	P			K	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	330.334	0	0	0	0	0	0	0	0	0	0	4	330.334
2	Kollam	4	499.717	0	0	0	0	0	0	0	0	0	0	4	499.717
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	690.658	0	0	0	0	0	0	0	0	0	0	4	690.658
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	450.148	0	0	0	0	0	0	0	0	0	0	4	450.148
8	Thrissur	4	493.392	0	0	1	1	0	1	258.474	7	7	0	3	571.698
9	Palakkad	4	672.546	0	0	0	0	0	0	0	0	0	0	4	672.546
10	Malappuram	4	1027.30	0	0	1	1	0	1	1605.839	2480	2480	0	3	834.45
11	Kozhikode	4	968.361	0	0	0	0	0	0	0	0	0	0	4	968.361
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	562.41	0	0	0	0	0	0	0	0	0	0	4	562.41
14	Kasaragod	4	735.826	0	0	0	0	0	0	0	0	0	0	4	735.826
	Total	40	643.07	0	0	2	2	0	2	932.16	1243.5	1244	0	38	608.71

Table 14(viii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	STATE : KERALA			YEAR : 2012-13			SEASON : ANNUAL			CROP : PEPPER			CENTRAL SAMPLE		
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Treated With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both		
		No.	Yield Rate(KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	
1	2	17	18	19	20	21	22	23	24	25	26	27	28			
1	Thiruvananthapuram	2	326.301	2	326.301	2	334.367	0	0	2	334.367	2	326.301			
2	Kollam	2	576.342	2	576.342	2	423.091	0	0	2	423.091	2	576.342			
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0			
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0			
5	Kottayam	2	871.48	2	871.48	2	509.836	0	0	2	509.836	2	871.48			
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0			
7	Ernakulam	0	0	0	0	4	450.148	0	0	4	450.148	0	0			
8	Thrissur	3	571.698	4	493.392	0	0	1	258.474	0	0	4	493.392			
9	Palakkad	2	785.248	2	785.248	2	559.844	0	0	2	559.844	2	785.248			
10	Malappuram	2	1039.396	3	1228.211	1	424.558	1	1605.84	1	424.558	3	1228.21			
11	Kozhikode	2	1176.149	2	1176.149	2	396.877	0	0	2	396.877	2	1176.15			
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0			
13	Kannur	1	221.445	1	221.445	3	676.066	0	0	3	676.066	1	221.445			
14	Kasaragod	2	698.064	2	698.064	2	773.589	0	0	2	773.589	2	698.064			
	Total	18	715.69	20	737.34	20	512.43	2	932.16	20	512.43	20	737.34			

Table 15(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2012-13

STATE SAMPLE

SEASON : ANNUAL

CROP : Arecanut

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
	Total	40	40				

Table 15(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

CENTRAL SAMPLE

YEAR : 2012-13

STATE : KERALA

CROP : ARECANUT

SEASON : ANNUAL

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
	Total	40	40				

Table 15(iii)
ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	Dist	STATE : KERALA		YEAR :2012-13		SEASON : ANNUAL		CROP: ARECANUT		STATE SAMPLE										
		HY varieties		Other Varieties		Both Hy & Others		Irrigated		Un irrigated		Total								
		Experiments	Yield Rate Kg/Ha	Experiments	Yield Rate Kg/Ha	Experiments	Yield Rate Kg/Ha	Experiments	Yield Rate Kg/Ha	Experiments	Yield Rate Kg/Ha	Experiments	Yield Rate Kg/Ha	Experiments	Yield Rate Kg/Ha					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	TVM	4	0	0	0	0	0	0	0	0	4	844.68	4	844.68	0	0	4	844.68	4	844.68
2	KLM	4	0	0	0	0	0	0	0	0	4	565.49	4	565.49	0	0	4	565.49	4	565.49
3	PTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	ALP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	KTM	4	0	0	0	0	0	0	0	0	4	872.16	4	872.16	0	0	4	872.16	4	872.16
6	IDK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	EKM	4	2	973.05	0	0	2	973.05	0	0	2	3055.43	2	3055.43	2	973.05	2	3055.43	4	2014.24
8	TSR	4	0	0	0	0	0	0	4	683	0	0	4	683.33	4	683.33	0	0	4	0683.33
9	PKD	4	0	0	1	161.29	1	161.29	1	2021	2	1064.5	3	1383.24	1	2020.71	3	763.43	4	1077.75
10	MLP	4	0	0	0	0	0	0	0	0	4	1353.92	4	1353.92	0	0	4	1353.92	4	1353.92
11	KKD	4	1	984.67	1	2045.4	2	1515.04	0	0	2	1344.94	2	1344.94	1	984.67	3	1578.43	4	1429.99
12	WYD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	KNR	4	0	0	0	0	0	0	0	0	4	1519.12	4	1519.12	0	0	4	1519.12	4	1519.12
14	KSGD	4	0	0	0	0	0	0	3	1333	1	1460.1	4	1365.01	3	1333.32	1	1460.1	4	1365.01
	State	40	3	976.92	2	1103.35	5	1027.49	8	1094	27	1222.64	35	1193.3	11	1062.25	29	1214.42	40	1172.57

Table 15(iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl. No	District	STATE : KERALA		YEAR : 2012-13		SEASON : ANNUAL		CENTRAL SAMPLE												
		HY varieties						Other Varieties						Both Hy & Others						
		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Total		
No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	TVM	4	0	0	0	0	0	0	0	0	4	894.34	4	894.34	0	0	4	894.34	4	894.34
2	KLM	4	0	0	0	0	0	0	0	0	4	796.13	4	796.13	0	0	4	796.13	4	796.13
3	PTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	ALP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	KTM	4	0	0	0	0	0	0	0	0	4	672.86	4	672.86	0	0	4	672.86	4	672.86
6	IDK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	EKM	4	0	0	0	0	0	0	0	0	4	1670.87	4	1670.87	0	0	4	1670.87	4	1670.87
8	TSR	4	0	0	0	0	0	0	4	1606	0	0	4	1606.2	4	1606.2	0	0	4	1606.2
9	PXD	4	1	3486.13	0	0	1	3486.13	0	0	3	1617.49	3	1617.49	1	3486.13	3	1617.49	4	2084.65
10	MLP	4	1	4558.12	0	0	1	4558.12	0	0	3	2346.64	3	2346.64	1	4558.12	3	2346.64	4	2899.51
11	KKD	4	0	0	0	0	0	0	0	0	4	516.63	4	516.63	0	0	4	516.63	4	516.63
12	WYD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	KNR	4	0	0	0	0	0	0	0	0	4	1642.05	4	1642.05	0	0	4	1642.05	4	1642.05
14	KSGD	4	1	3769.63	0	0	1	3769.63	2	3633	1	4204.91	3	3823.86	3	3678.77	1	4204.91	4	3810.3
State		40	3	3937.96	0	0	3	3937.96	6	2282	31	1318.35	37	1474.6	9	2833.93	31	1318.35	40	1659.35

Table 15(v)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	STATE : KERALA		YEAR : 2012-13		SEASON : ANNUAL		CROP:ARECANUT		STATE SAMPLE		Experiments not Treated with Fertilizers			
		Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		No. of Experiments		Rate of application							
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	844.68	0	0	0	0	0	0	0	0	0	0	4	844.68
2	Kollam	4	565.49	1	970.39	1	0	0	1	970.39	05	0	0	3	430.52
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	872.16	0	0	0	0	0	0	0	0	0	0	4	872.16
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	2014.24	0	0	0	0	0	0	0	0	0	0	4	2014.24
8	Thrissur	4	683.33	0	0	0	0	0	0	0	0	0	0	4	683.33
9	Palakkad	4	1077.75	0	0	1	0	0	1	663.58	69	0	0	3	1215.81
10	Malappuram	4	1353.92	0	0	0	0	0	0	0	0	0	0	4	1353.92
11	Kozhikode	4	1429.99	0	0	0	0	0	0	0	0	0	0	4	1429.99
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	1519.12	0	0	0	0	0	0	0	0	0	0	4	1519.13
14	Kasaragod	4	1365.01	0	0	0	0	0	0	0	0	0	0	4	1365.01
	State	40	1172.57	1	970.39	2	0	0	2	816.99	34.54	0	0	38	1191.28

Table 15(vi)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	STATE : KERALA		YEAR : 2012-13		SEASON : ANNUAL		CROP:ARECANUT		STATE SAMPLE			
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	4	6757.44	4	6757.44	0	0	0	0	0	0	4	6757.44
2	Kollam	1	1075.17	1	1075.17	3	395.59	0	0	2	108.20	2	1022.78
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	0	0	0	0	4	872.17	0	0	4	872.17	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	2	973.05	2	973.05	2	3055.427	0	0	2	3055.427	2	973.05
8	Thrissur	3	620.84	3	620.84	1	870.82	0	0	1	870.82	3	620.84
9	Palakkad	2	1743.07	3	1383.4	1	161.29	1	663.59	1	161.29	3	1383.24
10	Malappuram	1	1158.17	1	1158.17	3	1419.17	0	0	3	1419.17	1	1158.17
11	Kozhikode	4	1429.98	4	1429.98	0	0	0	0	0	0	4	1429.98
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	0	0	4	1519.13	0	0	4	1519.13	0	0
14	Kasaragod	2	1282.60	2	1282.60	2	1447.42	0	0	2	1447.42	2	1282.60
	State	19	2360.16	20	2275.33	20	1252.36	1	663.59	19	1267.2	21	2213.19

Table 15(vii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2012-13 SEASON : ANNUAL CROP:ARECANUT CENTRAL SAMPLE

Sl. No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No. of Experiments			Rate of application			No.	Yield Rate(KG/Ha)		
						N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	894.336	0	0	0	0	0	0	0	0	0	0	4	894.336
2	Kollam	4	796.13	0	0	0	0	0	0	0	0	0	0	4	796.13
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	672.861	0	0	0	0	0	0	0	0	0	0	4	672.861
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	1670.871	0	0	0	0	0	0	0	0	0	0	4	1670.871
8	Thrissur	4	1606.196	0	0	0	0	0	0	0	0	0	0	4	1606.196
9	Palakkad	4	2084.653	1	1294.915	2	2	1	2	2390.525	84	84	104	2	1778.781
10	Malappuram	4	2899.511	1	2323.337	1	1	1	1	2323.337	390	118	237	3	3091.588
11	Kozhikode	4	516.633	0	0	0	0	0	0	0	0	0	0	4	516.633
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	1642.051	0	0	0	0	0	0	0	0	0	0	4	1642.051
14	Kasaragod	4	3810.303	0	0	1	1	0	1	3769.628	120	120	0	3	3823.862
	Total	40	1659.35	2	1809.13	4	4	2	4	2718.5	198	107.3	170.5	36	1541.67

Table 15(viii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2012-13 SEASON : ANNUAL CROP: ARECANUT CENTRAL SAMPLE

Sl. No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	1	1183.291	1	1183.291	3	798.017	0	0	3	798.017	1	1183.291
2	Kollam	0	0	0	0	4	796.13	0	0	4	796.13	0	0
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	0	0	0	0	4	672.861	0	0	4	672.861	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	0	0	4	1670.871	0	0	4	1670.871	0	0
8	Thrissur	3	1660.295	3	1660.295	1	1443.897	0	0	1	1443.897	3	1660.295
9	Palakkad	2	1778.781	3	2347.898	1	1294.915	1	3486.13	0	0	4	2084.653
10	Malappuram	2	3190.219	2	3190.219	2	2608.802	0	0	1	2894.267	3	2901.258
11	Kozhikode	0	0	0	0	4	516.633	0	0	4	516.633	0	0
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	1642.051	4	1642.051	0	0	0	0	0	0	4	1642.051
14	Kasaragod	3	3823.862	4	3810.303	0	0	1	3769.63	0	0	4	3810.303
	Total	15	2276.13	17	2435.16	23	1085.93	2	3627.88	21	1017.06	19	2369.26

Table 16(i)
State Wise Position of Supply and Use of Equipments

Year : 2012-13

State : Kerala

Crop	Item of equipment	AGENCY	No of equipments supervised (harvest & post harvest) for which equipments was										Information about supply not available	Total of columns 8,13 &14		
			Supplied					Not supplied								
			And used	But used locally procured one		But not used through required	But not required to be used	Total	Used locally procured one		And also not used through required	As not required			Total	
	Standard	Non standard				Standard	Non standard									
1	3	2	4	5	6	7	8	9	10	11	12	13	14	15	16	
			85	13	0	0	0	98	0	0	0	0	0	0	0	98
			47	28	0	0	0	75	23	0	0	0	0	23	0	98
C	Weight	C	42	32	0	0	0	74	21	0	0	3	24	0	98	
			12	15	11	0	0	38	46	12	0	0	0	58	0	96
			99	0	0	0	0	99	0	0	0	0	0	0	0	99
Paddy (Autumn)	Tape	S	99	0	0	0	0	99	0	0	0	0	0	0	0	99
			99	0	0	0	0	99	0	0	0	0	0	0	0	99
			99	0	0	0	0	99	0	0	0	0	0	0	0	99
Paddy (Winter)	Pegs	C	99	0	0	0	0	99	0	0	0	0	0	0	0	99
			90	9	0	0	0	99	0	0	0	0	0	0	0	99
			47	32	1	0	0	80	19	0	0	0	0	19	0	99
Paddy (Summer)	Balance	C	40	37	1	0	0	78	17	0	0	4	21	0	99	
			23	14	8	0	0	45	42	12	0	0	0	54	0	99
			98	0	0	0	0	98	0	0	0	0	0	0	0	98
Paddy (Summer)	Tape	S	98	0	0	0	0	98	0	0	0	0	0	0	0	98
			98	0	0	0	0	98	0	0	0	0	0	0	0	98
			98	0	0	0	0	98	0	0	0	0	0	0	0	98
Paddy (Summer)	Pegs	C	85	12	0	0	0	97	1	0	0	0	1	0	98	
			39	47	0	0	0	86	12	0	0	0	0	12	0	98
			36	48	0	0	2	86	12	0	0	0	0	12	0	98
Paddy (Summer)	Balance	C	28	26	14	0	0	68	26	4	0	0	30	0	98	
			94	0	0	0	0	94	0	0	0	0	0	0	0	94
			94	0	0	0	0	94	0	0	0	0	0	0	0	94
Paddy (Summer)	Weight	S	94	0	0	0	0	94	0	0	0	0	0	0	0	94
			94	0	0	0	0	94	0	0	0	0	0	0	0	94
			94	0	0	0	0	94	0	0	0	0	0	0	0	94

Table 16(ii)
State Wise Position of Supply and Use of Equipments

State : Kerala

Year : 2012-13

Crop	AGENCY	Item of equipment	No of equipments superwised (harvest & post harvest) for which equipments was													Total of columns 8,13 & 14
			Supplied					Not supplied					Information about supply not available			
			And used	But used locally procured one		But not used through required	But not required to be used	Total	Used locally procured one		And also not used through required	As not required	Total			
	Standard	Non standard				Standard	Non standard									
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
		Tape	34	3	0	0	0	37	2	0	0	1	3	0	40	
		Balance	17	15	0	0	0	32	8	0	0	0	8	0	40	
		Weight	17	15	0	0	0	32	6	0	0	2	8	0	40	
Tapioca		Pegs	12	8	2	0	2	24	14	0	2	0	16	0	40	
		Tape	40	0	0	0	0	40	0	0	0	0	0	0	40	
		Balance	40	0	0	0	0	40	0	0	0	0	0	0	40	
		Weight	40	0	0	0	0	40	0	0	0	0	0	0	40	
S		Pegs	28	0	0	0	10	38	0	0	0	0	0	0	38	
		Tape	2	0	0	0	38	40	0	0	0	10	10	0	50	
		Balance	20	17	0	0	0	37	13	0	0	0	13	0	50	
		Weight	24	13	0	0	0	37	11	0	0	0	11	2	50	
Banana	C	Pegs	0	0	0	0	31	31	1	0	0	16	17	2	50	
		Tape	3	0	0	0	39	42	4	0	0	0	4	0	46	
		Balance	44	0	0	0	4	48	0	0	0	0	0	0	48	
		Weight	48	0	0	0	0	48	0	0	0	0	0	0	48	
S		Pegs	4	0	0	0	40	44	0	0	0	0	0	0	44	
		Tape	0	8	0	0	32	40	0	0	0	8	8	2	50	
		Balance	0	0	0	0	36	36	0	0	0	12	12	2	50	
		Weight	0	0	0	0	36	36	0	0	0	12	12	2	50	
Coconut	C	Pegs	0	0	0	0	36	36	0	0	0	12	12	2	50	
		Tape	0	0	0	0	50	50	0	0	0	0	0	0	50	
		Balance	12	0	0	0	38	50	0	0	0	0	0	0	50	
		Weight	12	0	0	0	38	50	0	0	0	0	0	0	50	
S		Pegs	0	0	0	0	50	50	0	0	0	0	0	0	50	

Table 16(ii) Contd.....

State Wise Position of Supply and Use of Equipments

State : Kerala

Year : 2012-13

Crop	AGENCY	Item of equipment	No of equipments supervised (harvest & post harvest) for which equipments was												Total of columns 8,13 &14	
			Supplied						Not supplied							Information about supply not available
			And used	But used locally procured one		But not used through required	But not required to be used	Total	Used locally procured one		And also not used through required	As not required	Total			
	Standard	Non standard				Standard	Non standard									
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
		Tape	1	0	0	0	35	36	0	0	0	4	4	0	0	40
Pepper	C	Balance	17	13	0	0	0	30	10	0	0	0	10	0	40	
		Weight	17	13	0	0	0	30	8	0	0	2	10	0	40	
		Pegs	0	0	0	0	28	28	1	0	4	7	12	0	40	
		Tape	0	0	0	0	40	40	0	0	0	0	0	0	40	
Pepper	S	Balance	36	0	0	0	4	40	0	0	0	0	0	0	40	
		Weight	40	0	0	0	0	40	0	0	0	0	0	0	40	
		Pegs	0	0	0	0	40	40	0	0	0	0	0	0	40	
		Tape	0	0	0	0	36	36	0	0	0	4	1	0	40	
Arecanut	C	Balance	18	14	0	0	0	32	8	0	0	0	8	0	40	
		Weight	18	14	0	0	0	32	6	0	0	2	8	0	40	
		Pegs	2	0	0	0	30	32	0	0	0	8	8	0	40	
		Tape	0	0	0	0	40	40	0	0	0	0	0	0	40	
Arecanut	S	Balance	32	0	0	0	4	36	4	0	0	0	4	0	40	
		Weight	36	0	0	0	0	36	4	0	0	0	4	0	40	
		Pegs	0	0	0	0	40	40	0	0	0	0	0	0	40	
		Tape	0	0	0	0	40	40	0	0	0	0	0	0	40	

Table 17(i)
Yield Rates(Kg/Ha) of Rice Under GCES and ICS 2012-13

Sl.No.	District	Autumn			Winter			Summer		
		GCES	ICS		GCES	ICS		GCES	ICS	
			State Sample	Central Sample		State Sample	Central Sample		State Sample	Central Sample
1	Thiruvananthapuram	2468	3272.44	4001.39	2147	4127.34	3413.1	2275	3327.27	3521.21
2	Kollam	2415	3680.65	3668.51	2063	2840.96	3283.79	2103	0	3409.47
3	Pathanamthitta	2706	2806.56	1824.48	2466	3636.3	2833.71	2688	1036.84	4137.24
4	Alappuzha	3008	3514.66	3260.89	2971	2553.79	2778.26	2807	4579.34	2575.6
5	Kottayam	3321	3571.65	4172.85	3010	4155.06	3862.5	2714	4591.26	3569.37
6	Idukki	2462	3094.3	3022.52	2856	3915.1	3945.18	1824	3726.16	4255.38
7	Eranakulam	1966	3239.6	3799.25	2277	3679.08	4134.78	2245	2825.32	2431.56
8	Thrissur	2179	2708.16	2734.37	2730	3132.46	4214.58	3524	5363.5	4442.74
9	Palakkad	2415	2585.38	2716.6	2393	3872.2	4455.5	1974	3782.27	3648
10	Malappuram	2178	2325.74	3587.2	1945	2346.24	3779.18	3508	5554.08	5801.08
11	Kozhikode	1427	2503.01	1459.43	1344	1621.85	1288.11	2287	3820.64	2580.76
12	Wayanad	0	0	0	2750	4693.71	3036.45	2674	3916.44	2962.4
13	Kannur	2191	3993.88	4444.22	2063	3844.75	3300.12	1804	1962.77	2308.73
14	Kasaragod	2566	3628.05	3928.19	1949	2995.22	3141.54	2343	4449.74	4450.98
	State	2547	3069.48	3222.11	2451	3324.77	3476.63	2846	3963.29	3643.84

Chart -1

Trend of Yield Rates Under ICS and CES

Autumn Rice Yield Rate 2012-13

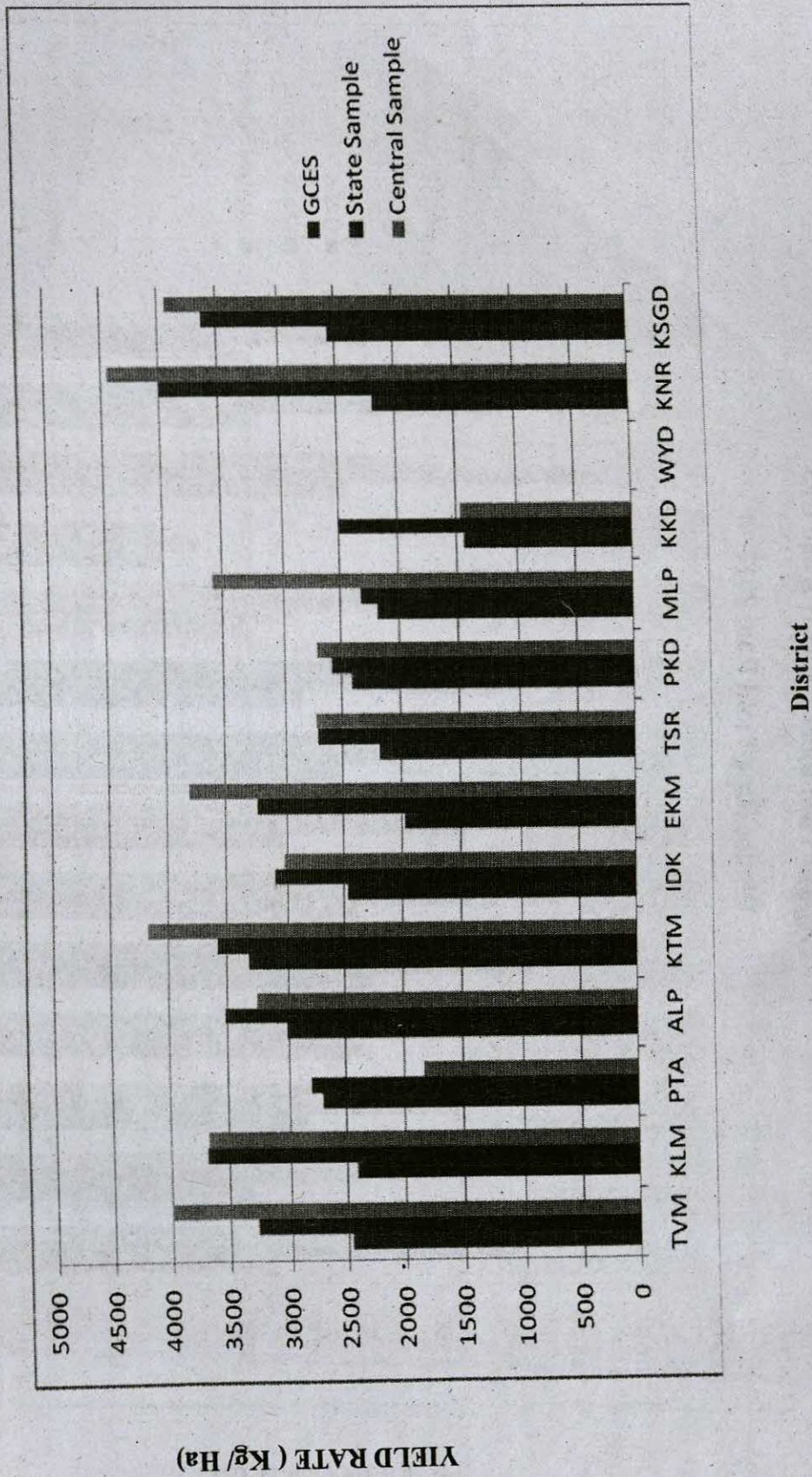
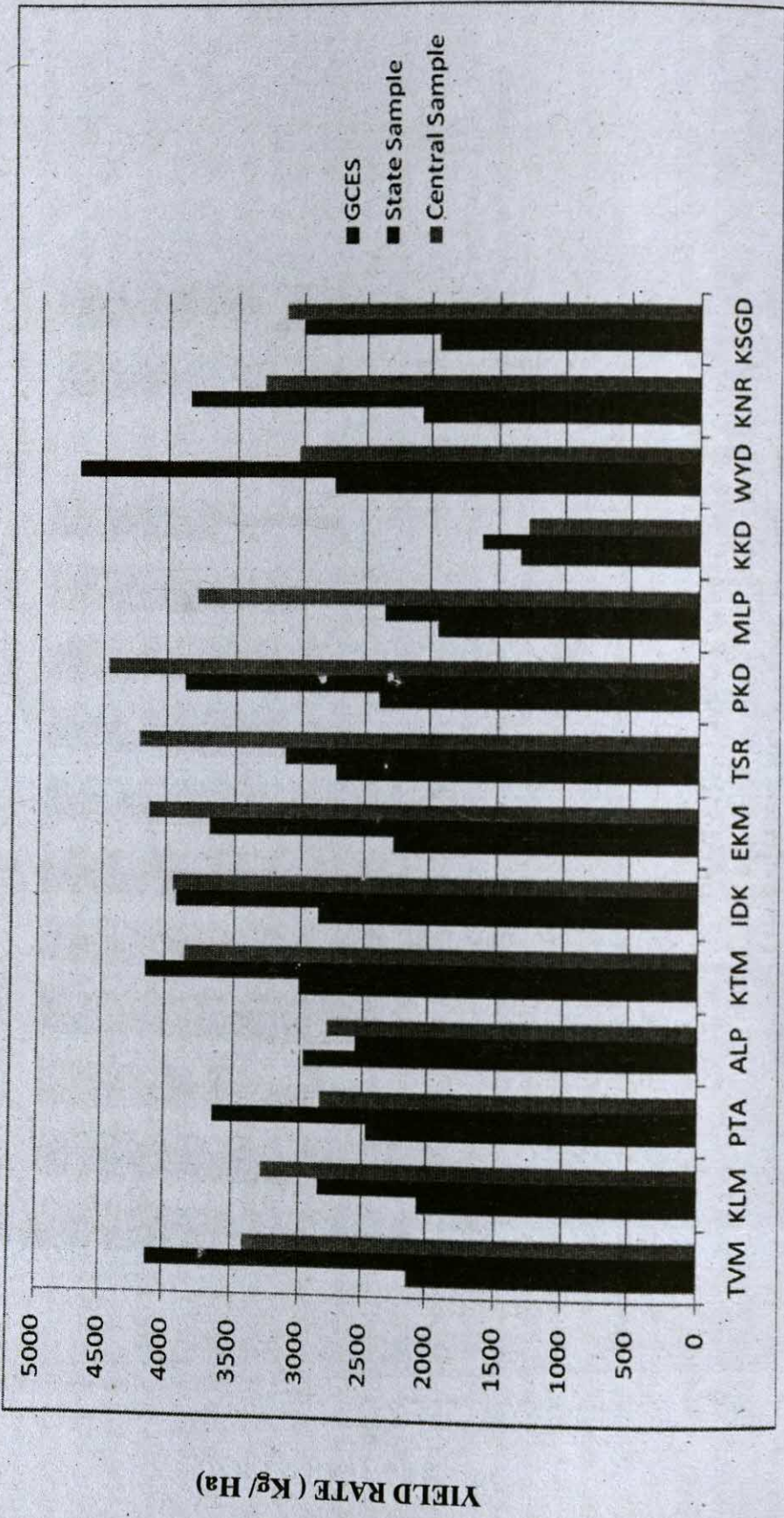


Chart-2

Trend of Yield Rates Under ICS and CES
Winter Rice Yield Rate 2012-13

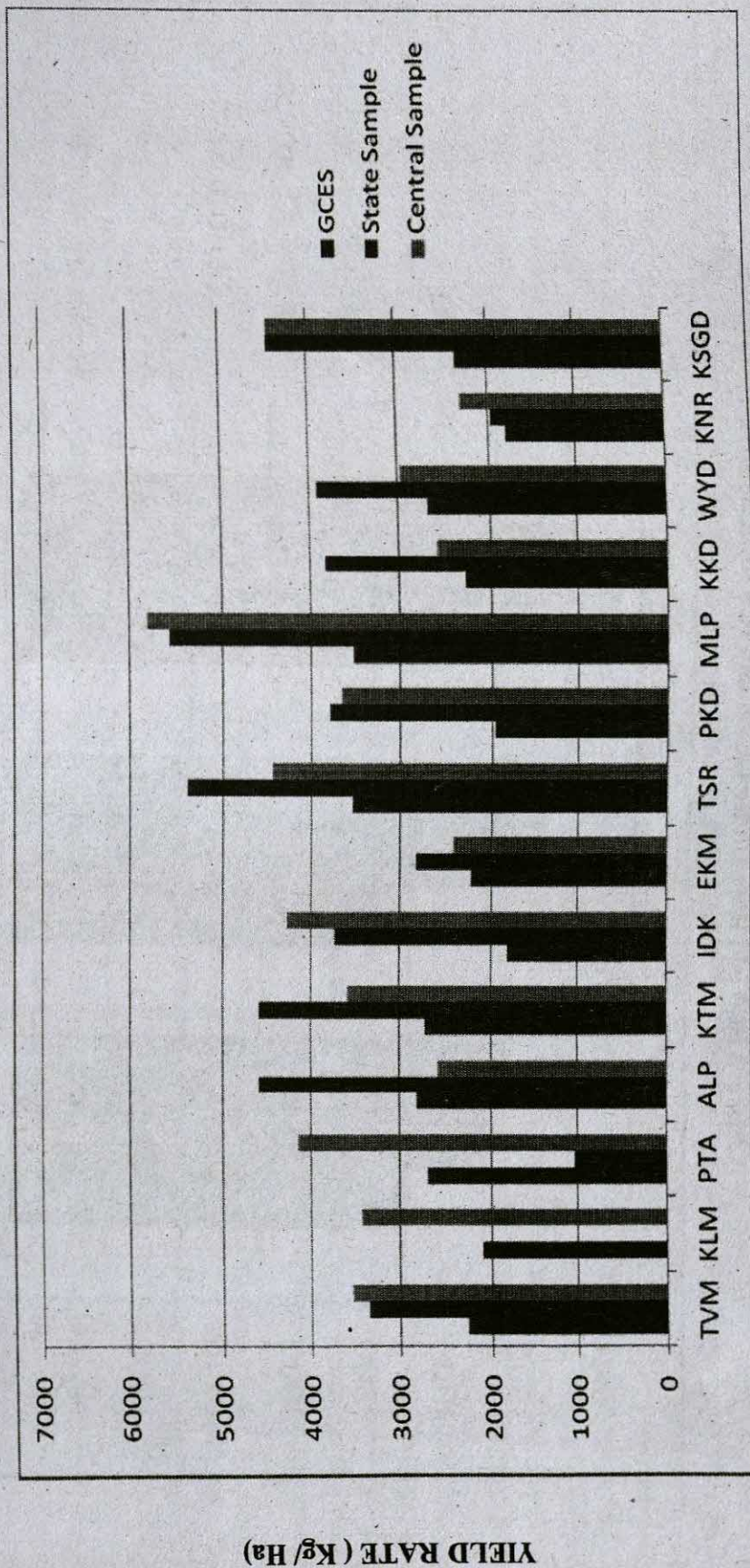


District

Chart-3

Trend of Yield Rates Under ICS and CES

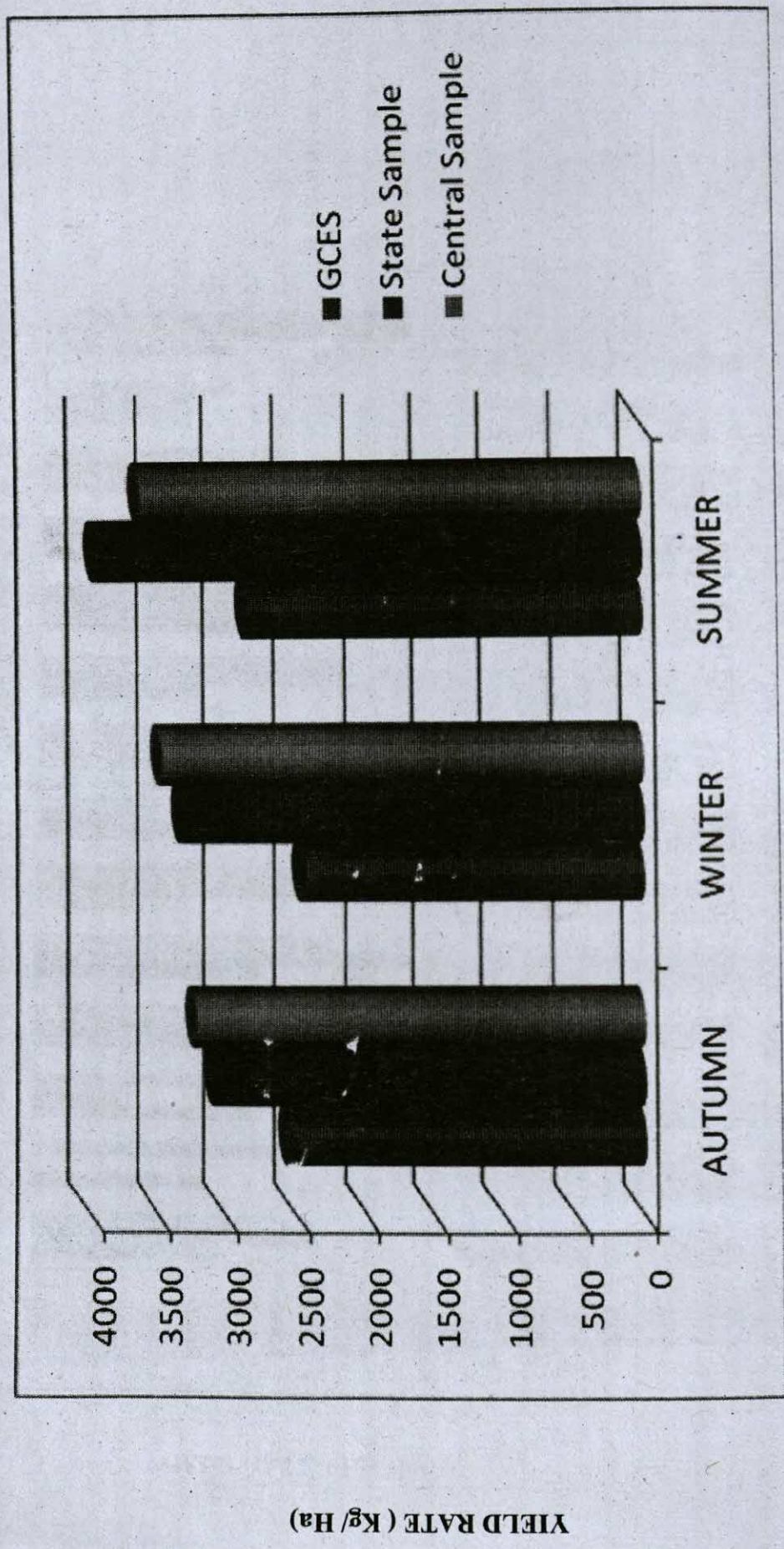
Summer Rice Yield Rate 2012-13



District

Chart-4

State Wise Yield Rate Under GCES and ICS for Rice 2012-13



Season

Table 17(ii)

Yield Rate(Kg/Ha) of Important Crops Under GCES and ICS 2012-13

SI.No.	DISTRICT	TAPIOCA			BANANA			COCONUT		
		GCES	STATE	CENTRAL	GCES	STATE	CENTRAL	GCES	STATE	CENTRAL
1	Thiruvananthapuram	30405	33437.5	29218.75	6810	12691.67	10058.33	7860	10861.95	6106.3
2	Kollam	32413	26937.5	58843.75	6981	12408.33	13116.67	6749	8589	6006
3	Pathanamthitta	39639	0	0	7530	0	0	7128	0	0
4	Alappuzha	28652	0	0	7927	14525	12033.33	6300	10475.4	7133.7
5	Kottayam	35407	39000	30937.5	8373	16983.33	11083.33	4764	6569.8	5435.6
6	Idukki	48626	0	0	9365	19708.33	20016.67	5445	7078.75	5678.75
7	Eranakulam	38866	42500	38625	9084	14583.33	13516.67	4777	5360.85	5110.05
8	Thrissur	46508	39062.5	37500	9638	18283.33	13966.67	6337	11082.8	8621.1
9	Palakkad	29175	12187.5	23125	9191	8683.33	12611.11	7374	7915.8	8144.9
10	Malappuram	37022	33250	38000	8301	16666.67	21358.33	10985	12110.4	13247.2
11	Kozhikode	23689	16875	22500	8009	15450	12950	7066	8557	9288
12	Wayanad	44963	0	0	7857	0	0	4602	0	0
13	Kannur	36678	23656.25	33375	8598	15591.67	17750	6531	5365.5	6751.5
14	Kasaragod	22073	11937.5	32187.5	8830	18708.33	18533.33	7971	7833.6	8976
	State	35331	27884.38	34431.25	8451	15356.94	14664	7265	8460.7	7565.72

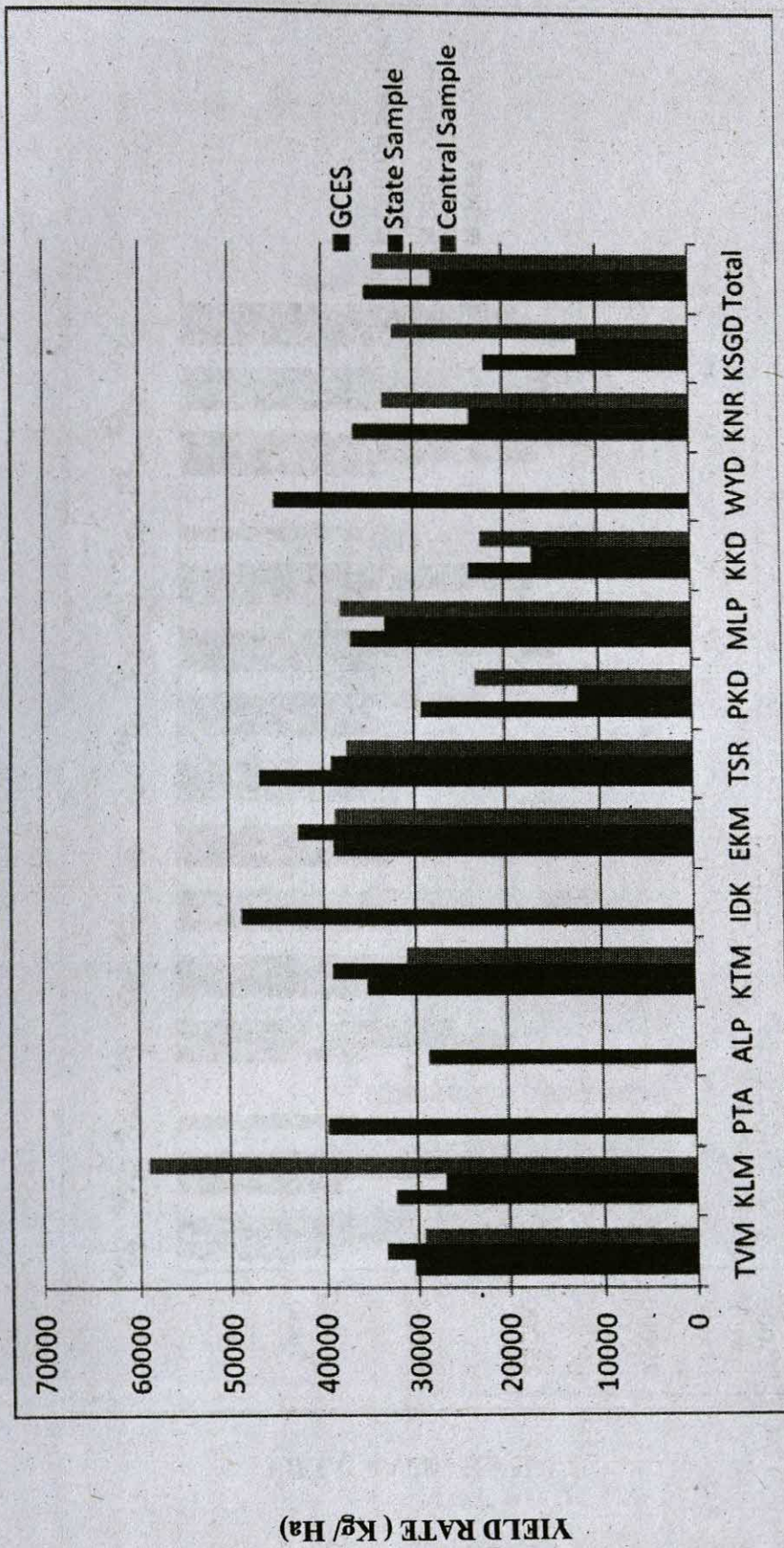
Table 17(iii)

Yield Rate(Kg/Ha) of Important Crops Under GCES and ICS 2012-13

SI.No.	DISTRICT	PEPPER			ARECANUT		
		GCES	STATE	CENTRAL	GCES	STATE	CENTRAL
1	Thiruvananthapuram	358	553.06	330.33	563	844.68	894.34
2	Kollam	397	731.79	499.72	611	565.49	796.13
3	Pathanamthitta	445	0	0	640	0	0
4	Alappuzha	232	0	0	492	0	0
5	Kottayam	369	270.76	690.66	651	872.16	672.86
6	Idukki	695	0	0	926	0	0
7	Ernakulam	299	504.48	450.15	852	2014.24	1670.87
8	Thrissur	308	716.03	493.39	806	0683.33	1606.2
9	Palakkad	336	266.17	672.55	932	1077.75	2084.65
10	Malappuram	215	227.13	1027.3	1397	1353.92	2899.51
11	Kozhikode	330	415.21	968.36	964	1429.99	516.63
12	Wayanad	414	0	0	502	0	0
13	Kannur	472	536.56	562.41	1270	1519.12	1642.05
14	Kasaragod	590	641.42	735.83	1943	1365.01	3810.3
	State	547	486.26	643.07	1162	1172.57	1659.35

Chart-5

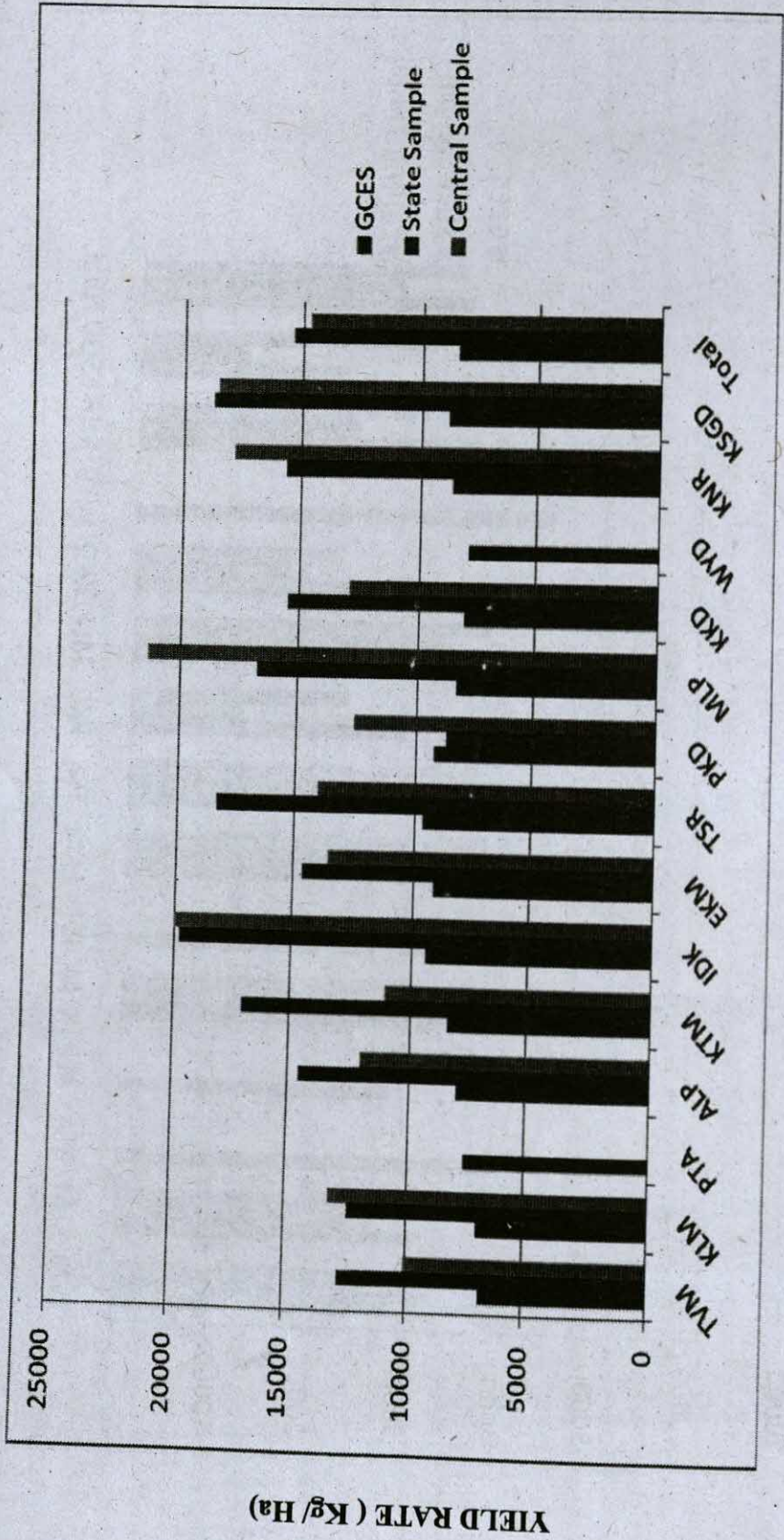
YIELD RATE OF TAPIOCA UNDER GCES & ICS IN 2012-13



Districts

Chart-6

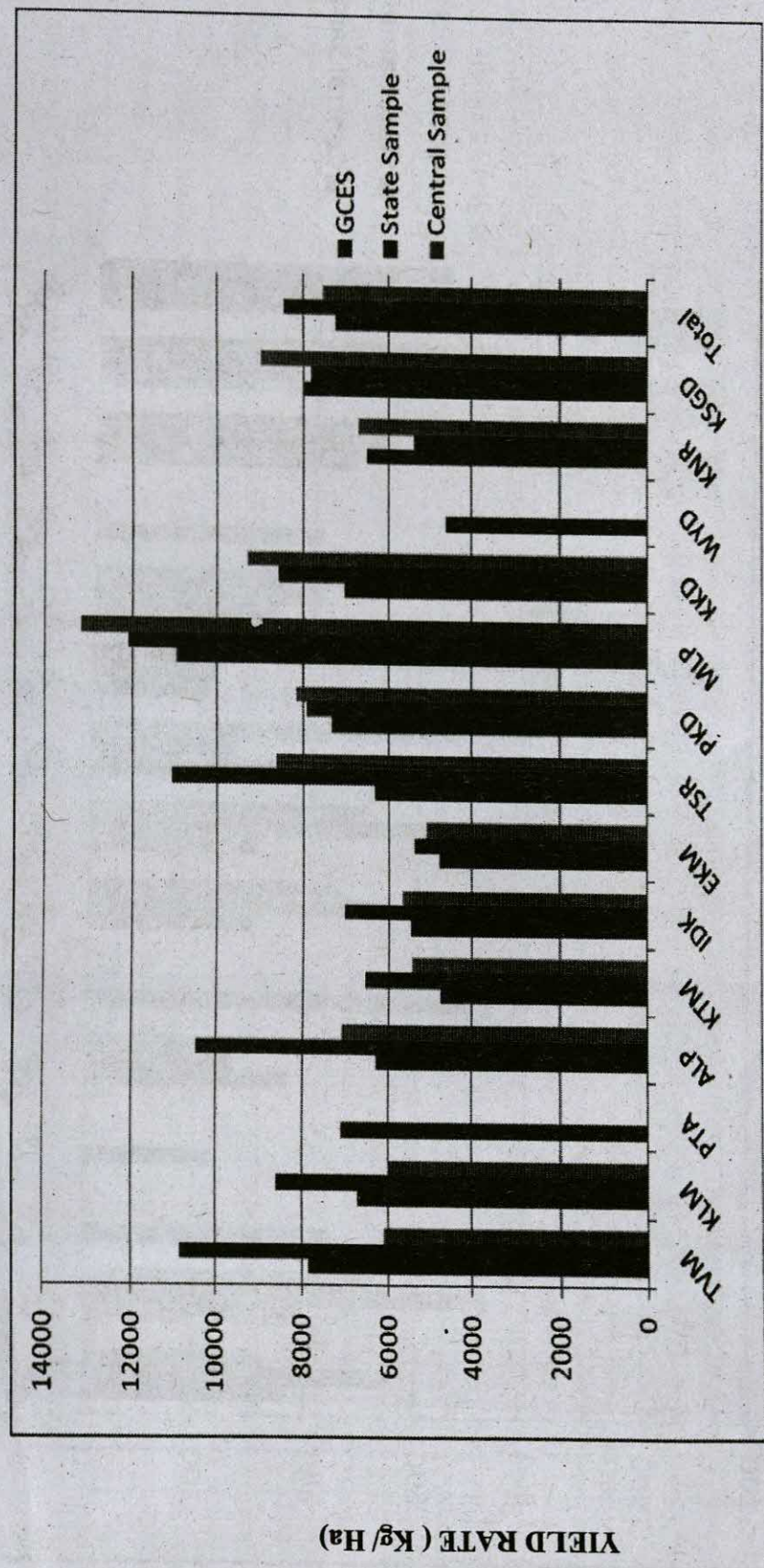
YIELD RATE OF BANANA UNDER GCES & ICS IN 2012-13



Districts

Chart-7

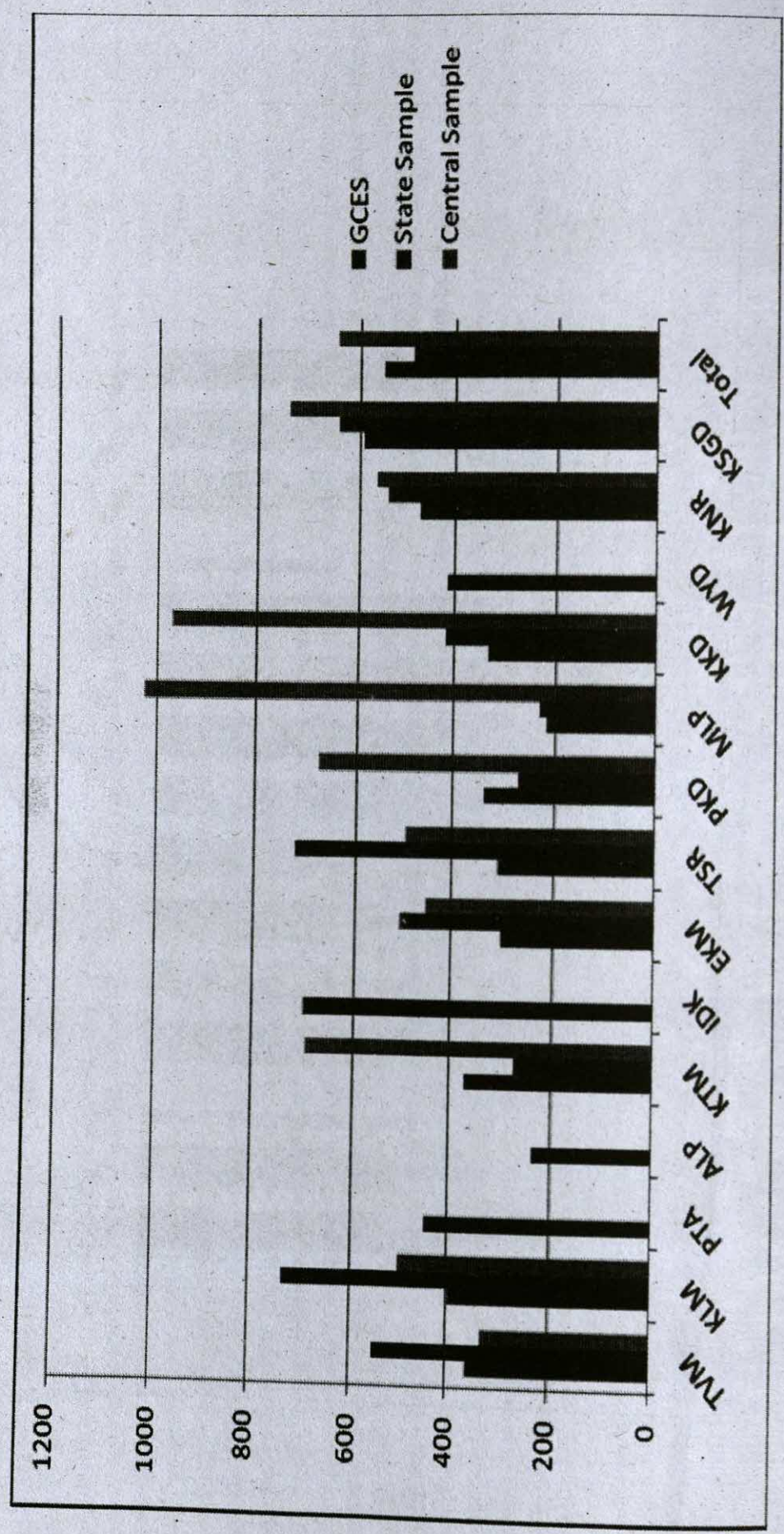
YIELD RATE OF COCONUT UNDER GCES & ICS IN 2012-13



Districts

Chart-8

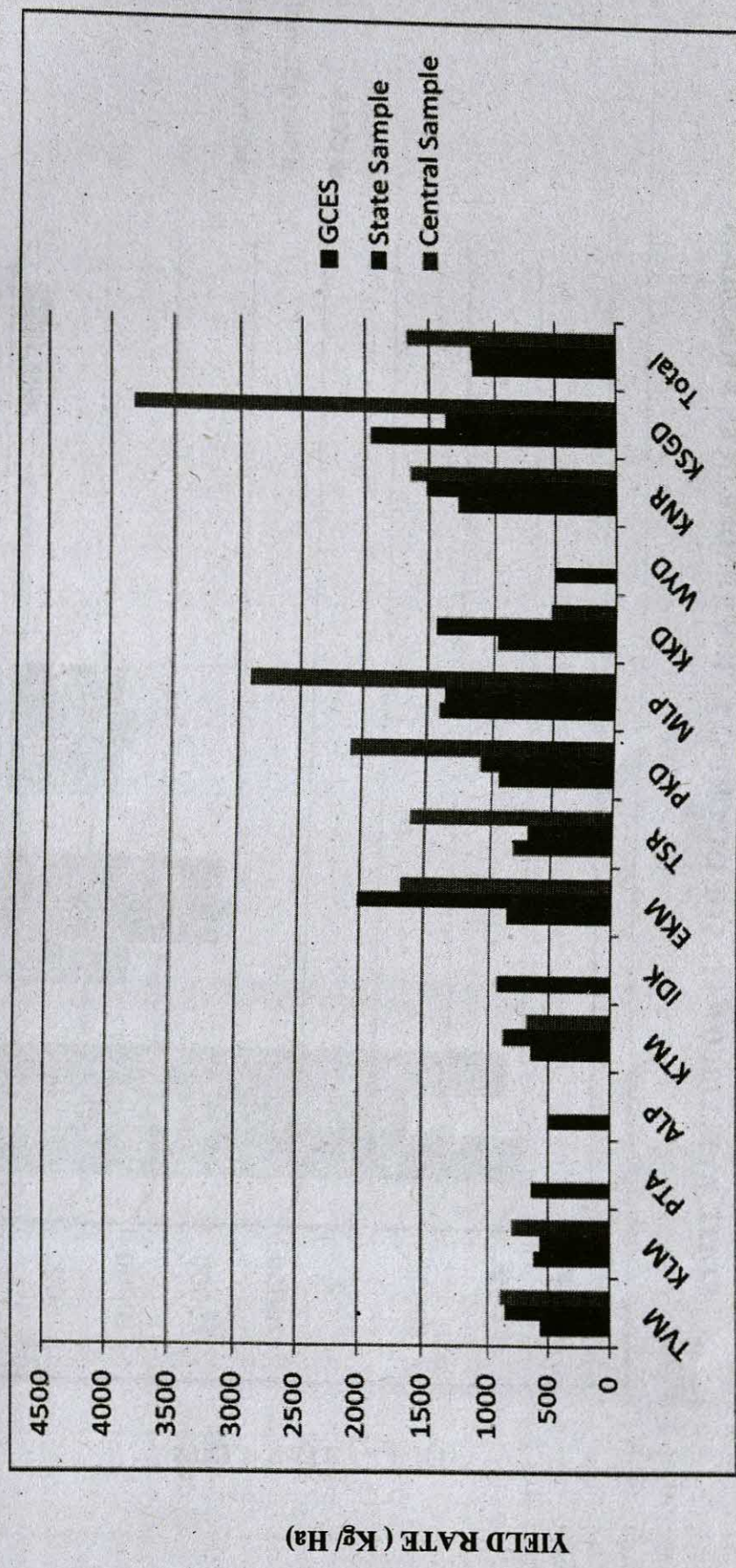
YIELD RATE OF PEPPER UNDER GCES & ICS IN 2012-13



Districts

Chart-9

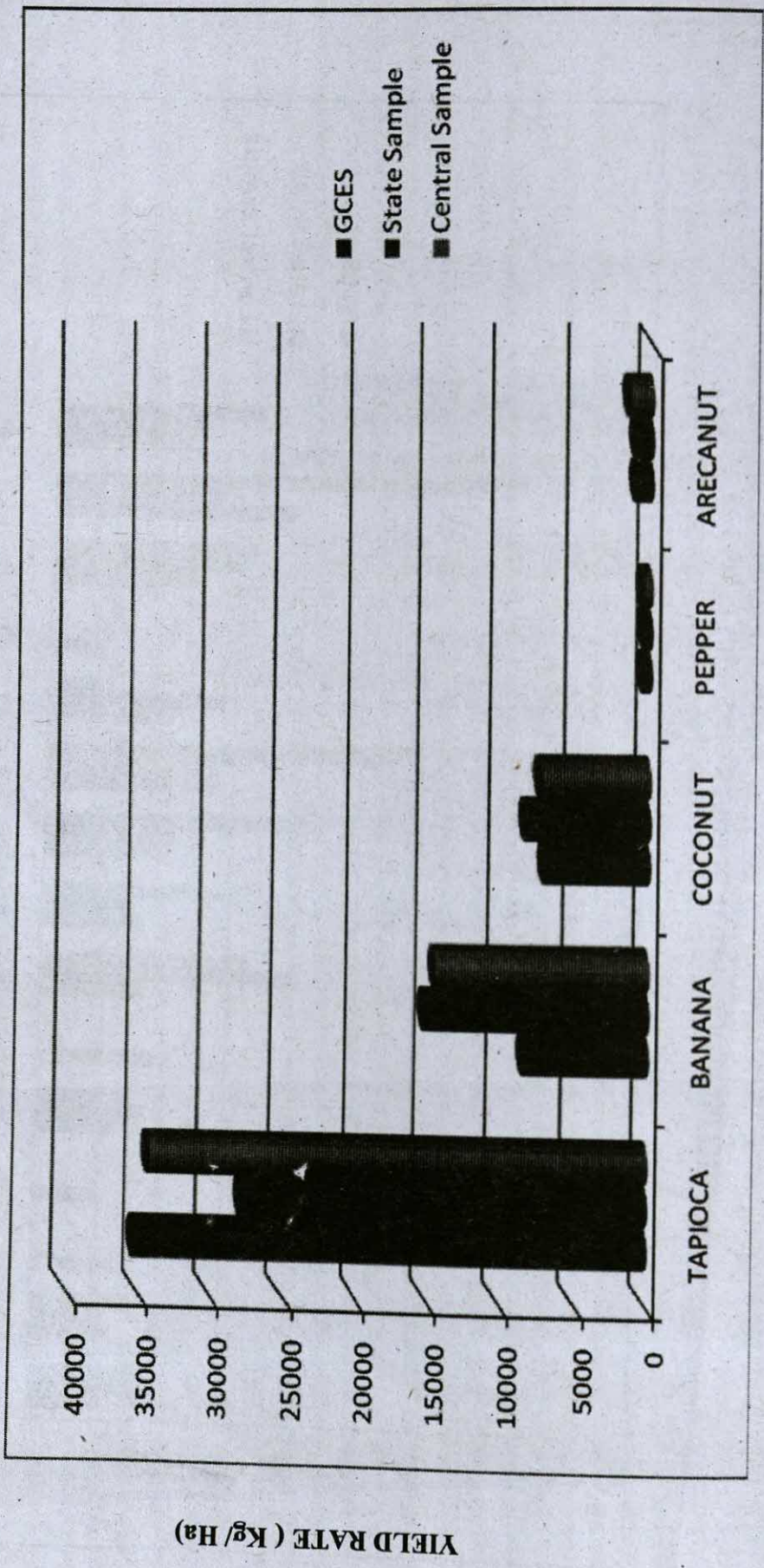
YIELD RATE OF ARECANUT UNDER GCES & ICS IN 2012-13



Districts

Chart-10

STATE WISE YIELD RATES OF IMPORTANT CROPS UNDER GCES & ICS 2012-13



Crops



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