



**GOVERNMENT OF KERALA**

**ANNUAL REVIEW OF CROP STATISTICS SYSTEM IN**

**KERALA**

**THROUGH THE SCHEME FOR  
IMPROVEMENT OF CROP STATISTICS**

**2011-12**



**DEPARTMENT OF ECONOMICS AND 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).*

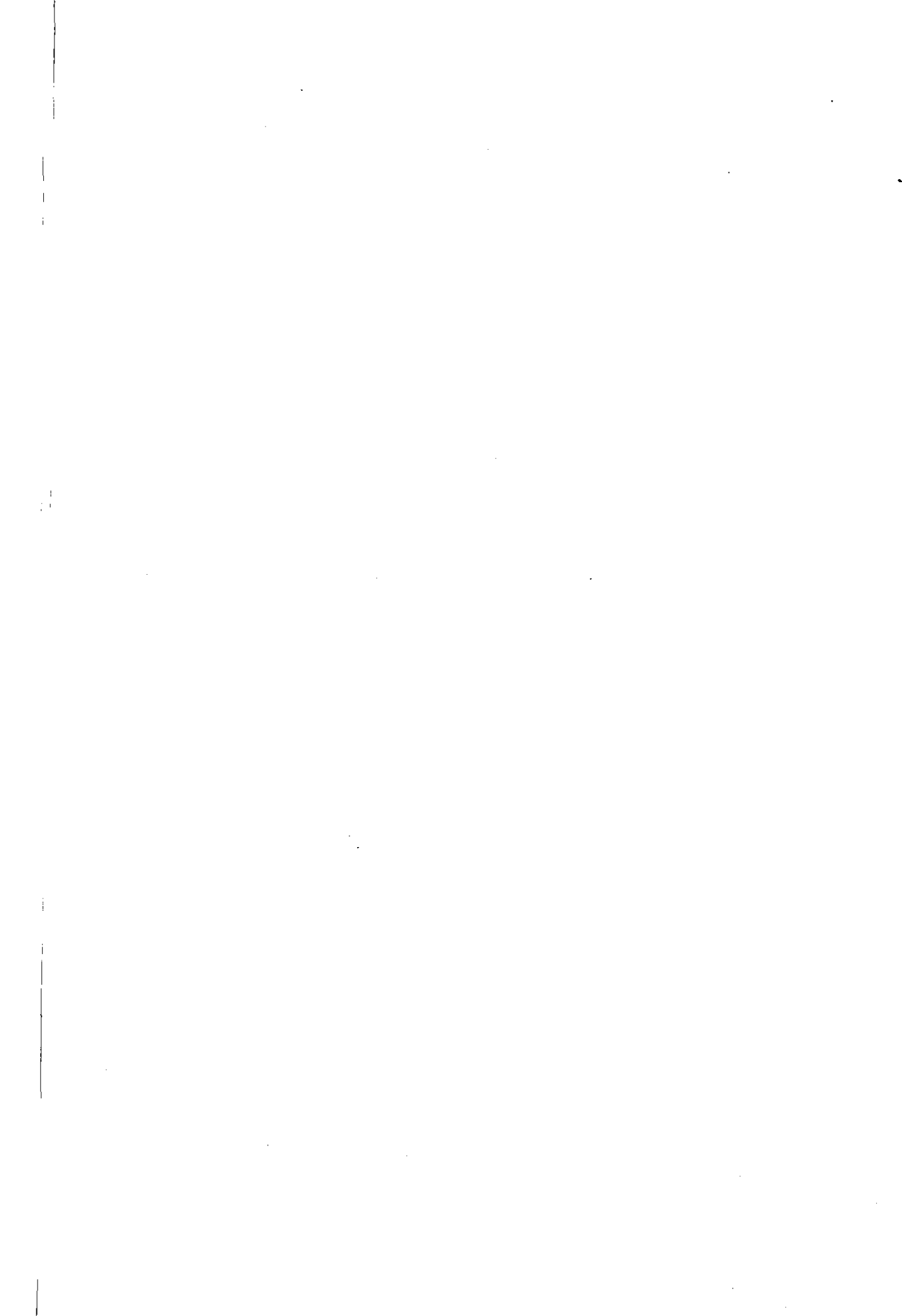
*The Annual Review report on ICS for 2011-12 is prepared by the Sample Check unit functioning in the EARAS section of the Directorate of Economics and Statistics, Government of Kerala. In this Connection I express my sincere gratitude to Sri. T. Gorkey Jose (Addl: Director), Sri.R. Balan (Joint Director), Smt. R. Geetha (Assistant Director), Smt. Santhakumari. T. J. (Research Assistant), Smt. Sindhu G, Smt. Priya C and Smt. Shiny Joseph (Statistical Assistants- Grade I) for the Preparation and Publication of this Report.*

**V.RAMACHANDRAN  
DIRECTOR**



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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 of collection of area and yield statistics 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 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. The report also gives the details of training to staff entrusted with crop cutting work, the equipment supplied to them, 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 reported by both 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.

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 of land during each season in the prescribed schedules 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 in the concerned forms and comparing the same 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 General Crop Estimation Survey (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-2011-12**

## **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 2011-12**

The response in sample check on area enumeration i.e., the number of IV zones for which filled in schedules were received during 2011-12 is given in Table 1. The response was 93.75% during Autumn, Winter and Summer seasons for Central samples and it was 97.5% during Autumn and 100% during Winter and Summer seasons for State samples. Response is 100% in all districts (all seasons) except Kottayam and Idukki districts.

### **2. Completion of Area enumeration under EARAS.**

Under EARAS, the Investigator is required to complete enumeration of area in each season according to prescribed time schedule and also to submit EARAS statement to higher authorities immediately on completion of enumeration work. The sample checks are to be carried out within one month after the due date for the completion of area enumeration. 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. Analysis of data collected indicates how far the time programme under EARAS being adhered to by primary workers and throws light on delays which would defeat the purpose of EARAS.

Timeliness in completion of area enumeration during 2011-12 is given in Table – 2. 97.33%, 94.67% and 97.33% cases for Central sample and 100%, 90% and 96% cases for State sample were completed girdawari in time during Autumn, Winter and Summer seasons respectively. 2.67%, 5.33% and 2.67% cases for Central sample during Autumn, Winter and Summer seasons and 8.75% & 4% cases for State sample during Winter & Summer season reported that the area enumeration has completed after the due date. 1.25% cases for State sample has not reported the date of completion of area enumeration during Winter Season.

### **3. Submission of EARAS Statement**

The details of season wise submission of EARAS crop statements during 2011-12 are indicated in Table 3. Timely submission of these statements still needs considerable improvement; especially in Kollam, Alappuzha, Ernakulam, Malappuram, Kozhikode & Wayanad districts.

### **4. Discrepancies in recording crop and crop areas**

The crops and area of crops 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 2011-12 are given in Table 4.

The most predominant error observed was that of not recording the crop actually grown in the field (E1), which occurred mostly in Kollam district during Autumn season only. Reporting of crops actually not grown in the field (E2) was reported in Ernakulam district during Autumn season in the State Sample. Reporting of incorrect area of crops (E3) were found high in Thiruvananthapuram, Idukki, Palakkad districts in Autumn Season Idukki, Kozhikode & Kannur districts in Winter season and Idukki district in Summer 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. Seed variety observed by the supervisor differed from that reported by investigator in Kollam & Ernakulam districts during Autumn season.

### **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 2011-12. The response position of paddy was 96%, 98% and 99% for Central Samples and 100%, 100% and 95% for State Samples during Autumn, Winter and Summer seasons.

#### **2. Distribution of number of experiments conducted by applying important inputs**

Table 7(i), 7(ii) and 7(iii) show 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 96%, 98% and 97 % during Autumn, Winter and Summer seasons respectively and the State personnel's participation was cent percent for all the three seasons for Paddy 2011-12. The extent of participation at harvest stage is cent percent for State & Central personnel for the crops Tapioca, Pepper, Banana, Plantain and Arecanut [Tables 7(iv),7(v),7(vi),7(vii) & 7(viii)]

### **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 procedure for drriage
- 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 2011-12 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 2011-12. Even the supplied equipments were reported to have not been 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, Plantain, 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 2011-12 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 2011-12 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 2011-12 is given in Table 17(ii) & 17(iii). A graphical representation of yield rates of Tapioca, Banana, Plantain, Pepper and Arecanut are given in Chart 5 to 9. A graphical representation of state-wise yield rates of important crops during the year 2011-12 is given in Chart X.



Table-1

**RESPONSE IN SAMPLE CHECK ON ENUMERATION OF AREA DURING 2011-12**

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 No wet cluster in -	C	6	83.33	83.33	83.33
		S	6	100	100	100
6	Idukki	C	9	55.56	55.56	55.56
		S	9	77.78	100	100
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	100	100
14	Kazargod	C	4	100	100	100
		S	4	100	100	100
For District Covered		C	80	93.75	93.75	93.75
		S	80	97.5	100	100

C - Central Sample

S - State Sample

Table-2

## TIMELINESS IN COMPLETION OF GIRDAWARI DURING 2011-12

Sl.No.	District	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	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	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	66.67	33.33	0	0	100	0	0
		S	100	0	0	0	0	100	0	0	0	100	0
5	Kottayam	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	33.33	66.67	0	0	100	0	0
6	Idukki	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
7	Ernakulam	C	60	40	0	0	60	40	0	0	60	40	0
		S	100	0	0	0	100	0	0	0	100	0	0
8	Thrissur	C	100	0	0	0	80	20	0	0	100	0	0
		S	100	0	0	0	80	0	20	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	100	0	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	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
12	Wayanad	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	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	Kazargod	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
For District Covered		C	97.33	2.67	0	0	94.67	5.33	0	0	97.33	2.67	0
		S	100	0	0	0	90	8.75	1.25	0	96	4	0

Table-3  
TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2011-12

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	20	0	80	0	0	0	0	0	0
		Winter	c	0	0	100	0	0	0	0	0	0
			s	0	0	80	0	0	20	0	0	0
		Summer	c	0	0	80	0	20	0	0	0	0
			s	0	0	100	0	0	0	0	0	0
2	Kollam	Autumn	c	0	0	20	80	0	0	0	0	
			s	0	0	100	0	0	0	0	0	
		Winter	c	0	0	0	80	20	0	0	0	
			s	0	0	0	80	0	20	0	0	
		Summer	c	0	0	0	100	0	0	0	0	
			s	0	0	20	80	0	0	0	0	
3	Pathanamthitta	Autumn	c	0	0	0	100	0	0	0	0	
			s	0	0	100	0	0	0	0	0	
		Winter	c	0	0	0	100	0	0	0	0	
			s	0	0	100	0	0	0	0	0	
		Summer	c	0	0	0	100	0	0	0	0	
			s	0	0	100	0	0	0	0	0	
4	Alappuzha	Autumn	c	0	0	33.33	66.67	0	0	0	0	
			s	0	0	0	100	0	0	0	0	
		Winter	c	0	0	33.33	66.67	0	0	0	0	
			s	0	100	0	0	0	0	0	0	
		Summer	c	0	0	33.33	66.67	0	0	0	0	
			s	0	66.67	0	33.33	0	0	0	0	
5	Kottayam	Autumn	c	0	0	100	0	0	0	0	0	
			s	0	0	100	0	0	0	0	0	
		Winter	c	0	0	100	0	0	0	0	0	
			s	16.67	0	33.33	50	0	0	0	0	
		Summer	c	0	0	60	40	0	0	0	0	
			s	0	0	100	0	0	0	0	0	

Table-3 Contd.....

## TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2011-12

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	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	40	60	0	0	0	0	0	0
			S	0	0	100	0	0	0	0	0	0	0
7	Ernakulam	Autumn	C	0	40	0	60	0	0	0	0	0	
			S	0	0	0	100	0	0	0	0	0	
		Winter	C	0	40	0	60	0	0	0	0	0	0
			S	0	0	0	80	20	0	0	0	0	0
		Summer	C	0	40	0	60	0	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	20	0	0	80	0	0	0	0	0	0
			S	0	0	80	0	0	0	0	0	0	20
		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	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	30	70	0	0	0	0	0
			S	0	0	100	0	0	0	0	0	0	0
10	Malappuram	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	0	100	0	0	0	0	0	0
			S	0	0	0	100	0	0	0	0	0	0
		Summer	C	0	0	42.86	57.14	0	0	0	0	0	0
			S	0	0	0	100	0	0	0	0	0	0

Table-3 Contd.....

## TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2011-12

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	50	50	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	16.67	83.33	0	0	0	0
12	Wayanad	Autumn	C	0	0	0	83.33	0	16.67	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	100	0	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	66.67	33.33	0	0	0
			S	0	0	100	0	0	0	0	0
		Summer	C	0	0	0	50	50	0	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	100	0	0	0	0
			S	0	0	100	0	0	0	0	0
		Summer	C	0	0	0	100	0	0	0	0
			S	0	0	100	0	0	0	0	0
For District Covered		Autumn	C	0	2.67	26.67	69.33	0	1.33	0	0
			S	1.28	0	64.10	34.62	0	0	0	0
		Winter	C	1.33	2.67	22.67	69.33	4	0	0	0
			S	1.25	3.75	52.5	37.5	1.25	2.5	0	1.25
		Summer	C	0	2.67	18.67	64	14.66	0	0	0
			S	0	2.5	62.5	35	0	0	0	0

C - Central Sample

S - State Sample

Table-4

**PERCENTAGE OF SURVEY NUMBERS IN WHICH ERRORS IN RECORDING CROP AREAS WERE OBSERVED 2011-12**

Sl. No.	District	Agency	Percentage of survey numbers with different types of errors in enumeration of area during											
			AUTUMN				WINTER				SUMMER			
			e <sub>0</sub>	e <sub>1</sub>	e <sub>2</sub>	e <sub>3</sub>	e <sub>0</sub>	e <sub>1</sub>	e <sub>2</sub>	e <sub>3</sub>	e <sub>0</sub>	e <sub>1</sub>	e <sub>2</sub>	e <sub>3</sub>
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	C	100	0	0	0	100	0	0	0	100	0	0	0
		S	66.67	0	0	33.33	100	0	0	0	100	0	0	0
2	Kollam	C	#				71.43	0	0	28.57	#			
		S	85.71	14.29	0	0	96.97	0	0	3.03	#			
3	Pathanam Thitta	C	#				#				80	0	0	20
		S	#				#				#			
4	Alappuzha	C	100	0	0	0	82.61	0	0	17.39	100	0	0	0
		S	100	0	0	0	100	0	0	0	100	0	0	0
5	Kottayam	C	0	0	0	100	85.71	0	0	14.29	#			
		S	#				100	0	0	0	100	0	0	0
6	Idukki	C	100	0	0	0	91.30	0	0	8.70	#			
		S	44	0	0	56	72	0	0	28	75	0	0	25
7	Eranakulam	C	100	0	0	0	86.67	0	0	13.33	80	0	0	20
		S	0	0	100	0	100	0	0	0	100	0	0	0
8	Thrissur	C	100	0	0	0	100	0	0	0	100	0	0	0
		S	100	0	0	0	100	0	0	0	100	0	0	0
9	Palakkad	C	100	0	0	0	98.80	0	0	1.20	92.31	0	0	7.69
		S	87.5	0	0	12.5	95.79	0	0	4.21	#			
10	Malappuram	C	57.14	28.57	0	14.29	88.24	0	0	11.76	#			
		S	100	0	0	0	97.83	0	0	2.17	100	0	0	0
11	Kozhikkode	C	#				100	0	0	0	100	0	0	0
		S	100	0	0	0	68.89	0	0	31.11	100	0	0	0
12	Wayanad	C	#				100	0	0	0	100	0	0	0
		S	#				97.30	0	0	2.70	93.33	0	0	6.67
13	Kannur	C	100	0	0	0	100	0	0	0	#			
		S	100	0	0	0	85.71	0	0	14.29	100	0	0	0
14	Kazargod	C	100	0	0	0	100	0	0	0	100	0	0	0
		S	95.24	0	0	4.76	93.55	0	0	6.45	100	0	0	0
For District Covered		C	97.36	1.32	0	1.32	94.92	0	0	5.08	96.59	0	0	3.41
		S	84.62	1.18	0.59	13.61	91.01	0	0	8.99	98.45	0	0	1.55

C - Central Sample

S - State Sample

# - Crop not reported in the selected cluster of the selected zone.

e<sub>0</sub> - No errore<sub>2</sub> - Reporting of crops actually not growne<sub>1</sub> - Non-reporting of crops actually growne<sub>3</sub> - Reporting incorrect area of crops

Table-5(a)

**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING 2011-12  
Autumn**

Sl No	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	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
2	Kollam	C	#												
		S	0	50	35.71	85.71	14.29	0	0	14.29	0	14.29	0	14.29	
3	Pathanamthitta	C	#												
		S	#												
4	Alappuzha	C	0	79.17	20.83	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	#												
6	Idukki	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
7	Ernakulam	C	0	100	0	100	0	0	0	0	0	0	0	0	0
		S	0	0	0	0	0	0	100	100	100	0	0	0	100
8	Thrissur	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
9	Palakkad	C	0	84.09	15.91	100	0	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0	0
10	Malappuram	C	0	71.43	0	71.43	0	28.57	0	28.57	0	0	28.57	28.57	28.57
		S	0	100	0	100	0	0	0	0	0	0	0	0	0
11	Kozhikkode	C	#												
		S	0	66.67	33.33	100	0	0	0	0	0	0	0	0	0
12	Wayanad	C	#												
		S	#												
13	Kannur	C	0	100	0	100	0	0	0	0	0	0	0	0	0
		S	0	96	4	100	0	0	0	0	0	0	0	0	0
14	Kaziragod	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
For District Covered		C	0	90.79	7.89	98.68	0	1.32	0	1.32	0	0	1.32	1.32	1.32
		S	0	93.49	4.73	98.22	1.19	0	0.59	1.78	0.59	1.19	0	1.78	

C - Central Sample

S - State Sample

HY- High Yielding Variety Seed

L- Local Variety Seed

# - Crop not reported in the selected cluster of the selected zone.

Table-5(w)

**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING 2011-12  
WINTER SEASON**

Sl. No	District	Agency	Percentage of survey numbers in which particulars													
			Tallied				Supervisor					Not Talled				
			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	Thiruvananthapuram	C	0	100	0	100	0	0	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0	0	0
2	Kollam	C	0	50	50	100	0	0	0	0	0	0	0	0	0	0
		S	0	75.76	24.24	100	0	0	0	0	0	0	0	0	0	0
3	Pathanamthitta	C	#													
		S	#													
4	Alappuzha	C	0	56.52	43.48	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	85.71	14.29	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	65.22	34.78	100	0	0	0	0	0	0	0	0	0	
		S	0	100	0	100	0	0	0	0	0	0	0	0	0	
7	Ernakulam	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	
8	Thrissur	C	0	95	5	100	0	0	0	0	0	0	0	0	0	
		S	0	80	20	100	0	0	0	0	0	0	0	0	0	
9	Palakkad	C	0	83.13	16.87	100	0	0	0	0	0	0	0	0	0	
		S	0	71.58	28.42	100	0	0	0	0	0	0	0	0	0	
10	Malappuram	C	0	50	50	100	0	0	0	0	0	0	0	0	0	
		S	0	54.35	45.65	100	0	0	0	0	0	0	0	0	0	
11	Kozhikkode	C	0	15	85	100	0	0	0	0	0	0	0	0	0	
		S	0	44.44	55.56	100	0	0	0	0	0	0	0	0	0	
12	Wayanad	C	0	97.96	2.04	100	0	0	0	0	0	0	0	0	0	
		S	0	85.14	14.86	100	0	0	0	0	0	0	0	0	0	
13	Kannur	C	0	84.62	15.38	100	0	0	0	0	0	0	0	0	0	
		S	0	80.95	19.05	100	0	0	0	0	0	0	0	0	0	
14	Kazharagod	C	0	30	70	100	0	0	0	0	0	0	0	0	0	
		S	0	45.16	54.84	100	0	0	0	0	0	0	0	0	0	
For District Covered		C	0	75.14	24.86	100	0	0	0	0	0	0	0	0	0	
		S	0	74.12	25.88	100	0	0	0	0	0	0	0	0	0	

C - Central Sample

S - State Sample

HY- High Yielding Variety Seed

L- Local Variety Seed

# - Crop not reported in the selected cluster of the selected zone.



Table-5(s)

**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING 2011-12  
SUMMER**

Sl.No.	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	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
2	Kollam	C	#												
		S	#												
3	Pathanamthitta	C	0	100	0	100	0	0	0	0	0	0	0	0	0
		S	#												
4	Alappuzha	C	0	96.43	3.57	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	#												
		S	0	100	0	100	0	0	0	0	0	0	0	0	0
6	Idukki	C	#												
		S	0	100	0	100	0	0	0	0	0	0	0	0	0
7	Ernakulam	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
8	Thrissur	C	0	50	50	100	0	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0	0
9	Palakkad	C	0	100	0	100	0	0	0	0	0	0	0	0	0
		S	#												
10	Malappuram	C	#												
		S	0	85	15	100	0	0	0	0	0	0	0	0	0
11	Kozhikkode	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
12	Wayanad	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
13	Kannur	C	#												
		S	0	100	0	100	0	0	0	0	0	0	0	0	0
14	Kazargod	C	0	50	50	100	0	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0	0
For District Covered		C	0	86.36	13.64	100	0	0	0	0	0	0	0	0	0
		S	0	97.67	2.33	100	0	0	0	0	0	0	0	0	0

Table-6

**RESPONSE IN SAMPLE CHECK ON CROP CUTTING EXPERIMENTS FOR PADDY DURING 2011-12**

Sl.N o.	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	Thiruvanantha puram	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
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	100	6	100	18	100
		S	6	100	6	100	12	58.33	24	79.17
5	Kottayam	C	8	75	8	100	8	100	24	91.67
		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	75	8	100	24	91.67
		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	100	10	100	30	100
10	Malappuram	C	10	90	10	100	10	100	30	96.67
		S	10	100	10	100	10	100	30	100
11	Kozhikkode	C	12	91.67	8	100	8	87.5	28	92.86
		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	Kazaragod	C	6	100	6	100	6	100	18	100
		S	6	100	6	100	6	100	18	100
For District Covered		C	100	96	100	98	100	99	300	97.67
		S	100	100	100	100	100	95	300	98.33

C - Central Sample

S - State Sample

Table-7(i)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2011-12**

**Rice-Autumn**

Srl.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	100	75
		S		8	100	100	100
		C	T	8	100	100	75
		S		8	100	100	100
2	Kollam	C	H	6	0	100	100
		S		6	0	83.33	100
		C	T	6	0	100	100
		S		6	0	83.33	100
3	Pathanamthitta	C	H	4	25	100	75
		S		4	50	100	75
		C	T	4	25	100	75
		S		4	50	100	75
4	Alappuzha	C	H	6	66.67	66.67	66.67
		S		6	66.67	66.67	66.67
		C	T	6	66.67	66.67	66.67
		S		6	66.67	66.67	66.67
5	Kottayam	C	H	6	66.67	100	100
		S		8	62.5	87.5	100
		C	T	8	50	75	75
		S		8	62.5	87.5	100
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	87.5	100	100
		S		8	50	87.5	37.5
		C	T	8	87.5	100	100
		S		8	50	87.5	37.5
8	Thrissur	C	H	10	0	100	100
		S		10	0	100	80
		C	T	10	0	100	100
		S		10	0	100	80

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS  
DURING 2011-12**

**Rice-Autumn**

Srl.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	0	100	90			
		S		10	20	100	100			
		C	T	10	0	100	90			
		S		10	20	100	100			
10	Malappuram	C	H	9	0	88.89	33.33			
		S		10	0	100	90			
		C	T	10	0	80	30			
		S		10	0	100	90			
11	Kozhikkode	C	H	11	9.09	72.73	63.64			
		S		12	0	100	75			
		C	T	12	8.33	66.67	58.33			
		S		12	0	100	75			
12	Wayanad	C	H	0	NO AUTUMN PADDY IN WAYANAD DISTRICT					
		S		0						
		C	T	0						
		S		0						
13	Kannur	C	H	8				0	100	62.5
		S		8				0	100	75
		C	T	8				0	100	62.5
		S		8				0	100	75
14	Kasaragod	C	H	6	0	100	83.33			
		S		6	0	100	83.33			
		C	T	6	0	100	83.33			
		S		6	0	100	83.33			
For District Covered		C	H	96	30.21	93.75	79.17			
		S		100	27	95	83			
		C	T	100	29	90	76			
		S		100	27	95	83			

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 2011-12**

**Rice-Winter**

Sri.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	100	75
		S		8	100	100	87.5
		C	T	8	100	100	75
		S		8	100	100	87.5
2	Kollam	C	H	6	0	83.33	83.33
		S		6	0	66.67	83.33
		C	T	6	0	83.33	83.33
		S		6	0	66.67	83.33
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	6	66.67	100	100
		S		6	33.33	66.67	66.67
		C	T	6	66.67	100	100
		S		6	33.33	66.67	66.67
5	Kottayam	C	H	8	87.5	100	100
		S		8	100	100	100
		C	T	8	87.5	100	100
		S		8	100	100	100
6	Idukki	C	H	4	100	100	100
		S		4	50	100	50
		C	T	4	100	100	100
		S		4	50	100	50
7	Ernakulam	C	H	6	100	83.33	100
		S		8	100	100	100
		C	T	8	75	62.5	75
		S		8	100	100	100
8	Thrissur	C	H	10	80	100	90
		S		10	100	100	100
		C	T	10	80	100	90
		S		10	100	100	100

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING -2011-12**

**Rice-Winter**

Sri.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	90	100	90
		S		10	90	90	100
		C	T	10	90	100	90
		S		10	90	90	100
10	Malappuram	C	H	10	60	40	90
		S		10	80	30	80
		C	T	10	60	40	90
		S		10	80	30	80
11	Kozhikkode	C	H	8	0	12.5	75
		S		8	0	12.5	62.5
		C	T	8	0	12.5	75
		S		8	0	12.5	62.5
12	Wayanad	C	H	4	100	75	75
		S		4	100	50	100
		C	T	4	100	75	75
		S		4	100	50	100
13	Kannur	C	H	8	75	87.5	75
		S		8	100	87.5	87.5
		C	T	8	75	87.5	75
		S		8	100	87.5	87.5
14	Kaziragod	C	H	6	66.67	66.67	100
		S		6	100	66.67	100
		C	T	6	66.67	66.67	100
		S		6	100	66.67	100
For District Covered		C	H	98	71.43	80.61	88.78
		S		100	77	76	88
		C	T	100	70	79	87
		S		100	77	76	88

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

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

Table 7(iii)  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2011-12**

**Rice-Summer**

Srl.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	100	100
		S		8	75	75	75
		C	T	8	100	100	100
		S		8	75	75	75
2	Kollam	C	H	6	33.33	100	66.67
		S		0			
		C	T	6	33.33	100	66.67
		S		0			
3	Pathanamthitta	C	H	4	100	100	100
		S		4	100	100	75
		C	T	4	100	100	100
		S		4	100	100	75
4	Alappuzha	C	H	6	100	100	100
		S		7	100	100	100
		C	T	6	100	100	100
		S		12	58.33	58.33	58.33
5	Kottayam	C	H	8	100	100	100
		S		8	100	100	87.5
		C	T	8	100	100	100
		S		8	100	100	87.5
6	Idukki	C	H	4	100	75	100
		S		4	100	100	100
		C	T	4	100	75	100
		S		4	100	100	100
7	Ernakulam	C	H	8	100	100	100
		S		8	87.5	100	87.5
		C	T	8	100	100	100
		S		8	87.5	100	87.5
8	Thrissur	C	H	10	100	100	80
		S		10	100	80	100
		C	T	10	100	100	80
		S		10	100	80	100

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT  
INPUTS DURING 2011-12  
Rice-Summer**

Srl.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	100	100
		S		10	100	100	90
		C	T	10	100	100	100
		S		10	100	100	90
10	Malappuram	C	H	10	100	90	80
		S		10	100	90	90
		C	T	10	100	90	80
		S		10	100	90	90
11	Kozhikkode	C	H	7	100	85.71	85.71
		S		8	62.5	100	87.5
		C	T	8	87.5	75	75
		S		8	62.5	100	87.5
12	Wayanad	C	H	4	100	100	75
		S		4	100	100	100
		C	T	4	100	100	75
		S		4	100	100	100
13	Kannur	C	H	8	100	75	100
		S		8	100	100	87.5
		C	T	8	100	75	100
		S		8	100	100	87.5
14	Kazaragod	C	H	6	100	66.67	100
		S		6	100	66.67	100
		C	T	6	100	66.67	100
		S		6	100	66.67	100
For District Covered		C	H	99	95.96	92.93	91.92
		S		93	95.69	94.62	92.47
		C	T	100	95	92	91
		S		100	89	88	86

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

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



Table 7(iv)  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2011-12**

**Tapioca**

Srl.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	25	50
		S		4	50	0	75
		C	T	4	50	25	50
		S		4	50	0	75
2	Kollam	C	H	4	25	50	50
		S		4	50	0	0
		C	T	4	25	50	50
		S		4	50	0	0
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	50
		S		4	0	0	100
		C	T	4	0	0	50
		S		4	0	0	100
6	Idukki	C	H	0			
		S		0			
		C	T	0			
		S		0			
7	Ernakulam	C	H	4	0	0	75
		S		4	50	0	0
		C	T	4	0	0	75
		S		4	50	0	0
8	Thrissur	C	H	4	100	0	0
		S		4	75	75	25
		C	T	4	100	0	0
		S		4	75	75	25

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2011-12**

**Tapioca**

Srl.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	25
		S		4	0	0	0
		C	T	4	25	25	25
		S		4	0	0	0
10	Malappuram	C	H	4	50	0	100
		S		4	75	25	25
		C	T	4	50	0	100
		S		4	75	25	25
11	Kozhikkode	C	H	4	50	0	25
		S		4	25	25	0
		C	T	4	50	0	25
		S		4	25	25	0
12	Wayanad	C	H	0			
		S		0			
		C	T	0			
		S		0			
13	Kannur	C	H	4	25	0	25
		S		4	25	0	25
		C	T	4	25	0	25
		S		4	25	0	25
14	Kazharagod	C	H	4	50	25	0
		S		4	25	25	25
		C	T	4	50	25	0
		S		4	25	25	25
For District Covered		C	H	40	37.5	12.5	40
		S		40	37.5	15	27.5
		C	T	40	37.5	12.5	40
		S		40	37.5	15	27.5

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

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

Table 7(v)  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS  
 DURING 2011-12**

**Pepper**

Srl.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	0
		C	T	4	0	0	0
		S		4	0	0	0
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	25	25	0
		S		4	75	0	0
		C	T	4	25	25	0
		S		4	75	0	0
8	Thrissur	C	H	4	25	25	0
		S		4	50	25	0
		C	T	4	25	25	0
		S		4	50	25	0

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT  
INPUTS DURING 2011-12  
Pepper**

Srl.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	0	0
		S		4	25	75	0
		C	T	4	50	0	0
		S		4	25	75	0
10	Malappuram	C	H	4	25	0	0
		S		4	0	0	0
		C	T	4	25	0	0
		S		4	0	0	0
11	Kozhikkode	C	H	4	25	25	0
		S		4	0	0	0
		C	T	4	25	25	0
		S		4	0	0	0
12	Wayanad	C	H	0			
		S		0			
		C	T	0			
		S		0			
13	Kannur	C	H	4	0	50	0
		S		4	0	0	0
		C	T	4	0	50	0
		S		4	0	0	0
14	Kaziragod	C	H	4	50	50	25
		S		4	50	25	0
		C	T	4	50	50	25
		S		4	50	25	0
For District Covered		C	H	40	20	17.5	2.5
		S		40	20	12.5	0
		C	T	40	20	17.5	2.5
		S		40	20	12.5	0

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

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

Table7(vi)  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2011-12**

**Banana**

Srl.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	25	0	100
		S		4	100	0	0
		C	T	4	25	0	100
		S		4	100	0	0
3	Pathanamthitta	C	H	4	75	0	75
		S		4	50	0	100
		C	T	4	75	0	75
		S		4	50	0	100
4	Alappuzha	C	H	4	0	0	50
		S		4	100	0	50
		C	T	4	0	0	50
		S		4	100	0	50
5	Kottayam	C	H	4	0	0	75
		S		4	25	0	100
		C	T	4	0	0	75
		S		4	25	0	100
6	Idukki	C	H	4	0	0	25
		S		4	75	0	75
		C	T	4	0	0	25
		S		4	75	0	75
7	Ernakulam	C	H	4	75	0	100
		S		4	50	0	50
		C	T	4	75	0	100
		S		4	50	0	50
8	Thrissur	C	H	4	100	0	25
		S		4	100	25	100
		C	T	4	100	0	25
		S		4	100	25	100

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2011-12**

**Banana**

Sri.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	100	0	100
		S		6	66.67	0	66.67
		C	T	6	100	0	100
		S		6	66.67	0	66.67
10	Malappuram	C	H	6	100	0	100
		S		6	33.33	0	16.67
		C	T	6	100	0	100
		S		6	33.33	0	16.67
11	Kozhikkode	C	H	4	100	0	50
		S		4	75	0	100
		C	T	4	100	0	50
		S		4	75	0	100
12	Wayanad	C	H	4	50	0	50
		S		4	75	0	75
		C	T	4	50	0	50
		S		4	75	0	75
13	Kannur	C	H	4	50	0	75
		S		4	100	0	75
		C	T	4	50	0	75
		S		4	100	0	75
14	Kazaragod	C	H	4	75	0	75
		S		4	75	0	100
		C	T	4	75	0	75
		S		4	75	0	100
For District Covered		C	H	60	63.33	0	71.67
		S		60	71.67	1.67	70
		C	T	60	63.33	0	71.67
		S		60	71.67	1.67	70

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

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

Table 7(vii)  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2011-12**

**Plantain**

Srl.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	75	0	50
		S		4	0	0	50
		C	T	4	75	0	50
		S		4	0	0	50
2	Kollam	C	H	4	0	0	50
		S		4	0	0	0
		C	T	4	0	0	50
		S		4	0	0	0
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	25
		C	T	4	0	0	0
		S		4	0	0	25
6	Idukki	C	H	0			
		S		0			
		C	T	0			
		S		0			
7	Eranakulam	C	H	4	75	0	50
		S		4	100	0	25
		C	T	4	75	0	50
		S		4	100	0	25
8	Thrissur	C	H	4	75	0	0
		S		4	50	25	0
		C	T	4	75	0	0
		S		4	50	25	0

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2011-12**

**Plantain**

Srl.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	50	50
		S		4	0	0	0
		C	T	4	25	50	50
		S		4	0	0	0
10	Malappuram	C	H	4	75	0	0
		S		4	50	0	0
		C	T	4	75	0	0
		S		4	50	0	0
11	Kozhikkode	C	H	4	25	0	0
		S		4	0	0	25
		C	T	4	25	0	0
		S		4	0	0	25
12	Wayanad	C	H	0			
		S		0			
		C	T	0			
		S		0			
13	Kannur	C	H	4	25	0	25
		S		4	0	0	50
		C	T	4	25	0	25
		S		4	0	0	50
14	Kaziragod	C	H	4	0	0	0
		S		4	100	0	0
		C	T	4	0	0	0
		S		4	100	0	0
For District Covered		C	H	40	37.5	5	22.5
		S		40	30	2.5	17.5
		C	T	40	37.5	5	22.5
		S		40	30	2.5	17.5

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

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



Table 7(viii)  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT  
 INPUTS DURING 2011-12**

**Arecanut**

Srl.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	0
		C	T	4	0	0	0
		S		4	0	0	0
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	50	0	50
		S		4	50	0	0
		C	T	4	50	0	50
		S		4	50	0	0
8	Thrissur	C	H	4	75	0	0
		S		4	100	25	0
		C	T	4	75	0	0
		S		4	100	25	0

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2011-12**

**Arecanut**

Srl.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	75	50	0
		S		4	0	0	0
		C	T	4	75	50	0
		S		4	0	0	0
10	Malappuram	C	H	4	25	0	25
		S		4	75	0	0
		C	T	4	25	0	25
		S		4	75	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			
		S		0			
		C	T	0			
		S		0			
13	Kannur	C	H	4	25	50	0
		S		4	25	0	0
		C	T	4	25	50	0
		S		4	25	0	0
14	Kazaragod	C	H	4	100	0	25
		S		4	50	0	50
		C	T	4	100	0	25
		S		4	50	0	50
For District Covered		C	H	40	35	10	10
		S		40	30	2.5	5
		C	T	40	35	10	10
		S		40	30	2.5	5

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

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

Sl.No.	District	No of experiments		STATE SAMPLE				For which Schedules are not received
		Planned	Checked at harvest	YEAR : 2011-12			Lost	
				At post harvest	Rejected for analysis	Revised		
SEASON : AUTUMN		YEAR : 2011-12		STATE SAMPLE				
1	2	3	4	5	6	7	8	
1	Thiruvananthapuram	8	8					
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	Kasargod	6	6					
Total for all crops		100	100					

Table 8 (ii)

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

STATE : KERALA  
 YEAR : 2011-12  
 SEASON : Autumn  
 CENTRAL SAMPLE  
 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					7	8
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	4	4				
4	Alappuzha	6	6				
5	Kottayam	8	6		2		
6	Idukki	4	4				
7	Ernakulam	8	8				
8	Thrissur	10	10				
9	Palakkad	10	10				
10	Malappuram	10	9		1		
11	Kozhikode	12	11		1		
12	Wayanad	**	**				
13	Kannur	8	8				
14	Kasargod	6	6				
	<b>Total</b>	<b>100</b>	<b>96</b>		<b>4</b>		

Table 8(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: 2011-12				SEASON:AUTUMN PADDY				STATE SAMPLE												
			Irrigated		Un irrigated		HY varieties		Total		Irrigated		Un irrigated		Other Varieties		total		Irrigated		Un irrigated		Both Hy & Others				
			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	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21							
1	Tvpm	8	8	4281.26	0	0	8	4281.26	0	0	0	0	0	0	8	4281.26	0	0	0	8	4281.26	0	0	8	4281.26		
2	Kollam	6	0	0	5	4815.72	5	4815.72	0	0	1	1729	1	1729	0	0	0	6	4301.27	6	4301.27	0	0	6	4301.27		
3	Path	4	2	2340.6	2	4230	4	3285.3	0	0	0	0	0	0	2	2340.6	2	4230	4	4230	2	2340.6	2	4230	4	3285.3	
4	Alpy	6	4	2764.89	0	0	4	2764.89	0	0	2	1158.78	2	1158.78	4	2764.89	2	1158.78	2	1158.78	6	2229.52	6	2229.52	6	2229.52	
5	Ktm	8	5	4031.34	2	3894.64	7	3992.29	0	0	1	4450	1	4450	5	4031.34	3	4079.76	8	4049.5	8	4049.5	8	4049.5	8	4049.5	
6	Idukki	4	2	4045.76	2	5365.52	4	4705.64	0	0	0	0	0	0	2	4045.76	2	5365.52	4	4705.64	4	4705.64	4	4705.64	4	4705.64	
7	Ekm	8	4	2812.4	3	2767.31	7	2793.07	0	0	1	398.72	1	398.72	4	2812.4	4	2175.16	8	2493.78	8	2493.78	8	2493.78	8	2493.78	
8	Thrs	10	0	0	10	3186.46	10	3186.46	0	0	0	0	0	0	0	0	0	10	3186.46	10	3186.46	10	3186.46	10	3186.46	10	3186.46
9	Pakkd	10	2	3855.1	8	3268.71	10	3385.99	0	0	0	0	0	0	2	3855.1	8	3268.71	10	3385.99	10	3385.99	10	3385.99	10	3385.99	
10	Mlp	10	0	0	10	1792.3	10	1792.3	0	0	0	0	0	0	0	0	0	10	1792.3	10	1792.3	10	1792.3	10	1792.3	10	1792.3
11	Kozhi	12	0	0	12	1836.99	12	1836.99	0	0	0	0	0	0	0	0	0	12	1836.99	12	1836.99	12	1836.99	12	1836.99	12	1836.99
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
13	Kannur	8	0	0	8	3374.88	8	3374.88	0	0	0	0	0	0	0	0	0	8	3374.88	8	3374.88	8	3374.88	8	3374.88	8	3374.88
14	Ksrgd	6	0	0	6	3176.26	6	3176.26	0	0	0	0	0	0	0	0	0	6	3176.26	6	3176.26	6	3176.26	6	3176.26	6	3176.26
	<b>State</b>	<b>100</b>	<b>27</b>	<b>3599.96</b>	<b>68</b>	<b>2991.15</b>	<b>95</b>	<b>3164.18</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>1779.06</b>	<b>5</b>	<b>1779.06</b>	<b>27</b>	<b>3599.96</b>	<b>73</b>	<b>2908.13</b>	<b>100</b>	<b>3094.93</b>	<b>100</b>	<b>3094.93</b>	<b>100</b>	<b>3094.93</b>	<b>100</b>	<b>3094.93</b>	

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: 2011-12				SEASON:AUTUMN PADDY				CENTRAL SAMPLE					
			Irrigated		HY varieties		Total		Irrigated		Other Varieties		total		Irrigated		Both Hy & Others			
			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	Tvpmm	8	8	2545.41	0	0	8	2545.41	0	0	0	0	0	0	8	2545.41	0	0	8	2545.41
2	Kollam	6	0	0	6	4116.23	6	4116.23	0	0	0	0	0	0	0	0	6	4116.23	6	4116.23
3	Path	4	1	4004.4	3	1834.88	4	2377.26	0	0	0	0	0	0	1	4004.4	3	1834.88	4	2377.26
4	Alpy	6	4	5072.22	0	0	4	5072.22	0	0	2	195.3	2	195.3	4	5072.22	2	195.3	6	3446.58
5	Kottim	6	4	4144.73	2	3547.54	6	3945.67	0	0	0	0	0	0	4	4144.73	2	3547.54	6	3945.67
6	Idukki	4	4	4192.4	0	0	4	4192.4	0	0	0	0	0	0	4	4192.4	0	0	4	4192.4
7	Ekmm	8	7	3849.38	1	3026	8	3746.46	0	0	0	0	0	0	7	3849.38	1	3026	8	3746.46
8	Thrs	10	0	0	10	2656.47	10	2656.47	0	0	0	0	0	0	0	0	10	2656.47	10	2656.47
9	Pakkd	10	0	0	10	2907.76	10	2907.76	0	0	0	0	0	0	0	0	10	2907.76	10	2907.76
10	Mlp	9	0	0	8	2664.92	8	2664.92	0	0	1	531.96	1	531.96	0	0	9	2427.92	9	2427.92
11	Kozhi	11	1	2868.32	7	3178.24	8	3139.5	0	0	3	721.93	3	721.93	1	2868.32	10	2441.35	11	2480.16
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	0	0	8	3081.18	8	3081.18	0	0	0	0	0	0	0	0	8	3081.18	8	3081.18
14	Ksrgd	6	0	0	6	2419.24	6	2419.24	0	0	0	0	0	0	0	0	6	2419.24	6	2419.24
	<b>State</b>	<b>96</b>	<b>29</b>	<b>3717.9</b>	<b>61</b>	<b>2929.46</b>	<b>90</b>	<b>3183.52</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>514.73</b>	<b>6</b>	<b>514.73</b>	<b>29</b>	<b>3717.9</b>	<b>67</b>	<b>2713.22</b>	<b>96</b>	<b>3016.72</b>

Table 8(v)

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

Sl.No.	District	STATE : KERALA				YEAR : 2011-12				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		Yield Rate	No.	Yield Rate	No.	Yield Rate			
						N	P	K	Exclusive Total						Yield Rate	N	P
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
1	Thiruvananthapuram	8	4281.255	0	0	8	8	8	8	4281.255	76.03	31.7	56.48	0	0		
2	Kollam	6	4301.267	0	0	6	6	3	6	4301.267	42.63	28.07	22.89	0	0		
3	Pathanamthitta	4	3285.3	1	4436.8	3	3	3	3	3039.333	53	25	20	1	4023.2		
4	Alappuzha	6	2229.52	4	2764.89	4	4	4	4	2764.89	73.15	43.25	4	2	1158.78		
5	Kottayam	8	4049.5	7	4444.914	8	8	7	8	4049.5	90.88	57.63	54.57	0	0		
6	Idukki	4	4705.64	1	5677.6	4	3	2	4	4705.64	45	40.67	67	0	0		
7	Ernakulam	8	2493.78	0	0	3	3	2	3	1734.907	24.5	12.67	21	5	2949.104		
8	Thrissur	10	3186.456	8	3482.115	8	8	5	8	3482.115	42.75	26.25	23.8	2	2003.82		
9	Palakkad	10	3385.99	7	2819.6	10	6	9	10	3385.99	62.6	31.33	65.78	0	0		
10	Malappuram	10	1792.296	4	977.43	7	9	8	9	1726.907	54.71	39.16	39.13	1	2380.8		
11	Kozhikode	12	1836.987	1	3822	7	7	7	9	2163.373	44.71	30.57	62.29	3	857.827		
12	Wayanad								0								
13	Kannur	8	3374.88	1	2484.88	6	6	4	6	3509.567	47.67	25.33	56.25	2	2970.82		
14	Kasaragod	6	3176.26	1	3251.28	5	3	3	5	3134.472	41.8	21.67	41	1	3381.56		
	Total	100	3094.93	35	3238.58	79	74	65	83	3254.43	53.8	31.79	41.09	17	2315.96		

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	8	4281.255	0	0	8	4281.26	0	0	8	4281.255
2	Kollam	0	0	6	4301.267	0	0	6	4301.27	0	0	6	4301.267
3	Pathanamthitta	1	4023.2	3	2901.467	1	4436.8	2	2340.6	0	0	4	3285.3
4	Alappuzha	1	1975.32	1	1975.32	5	2280.36	0	0	1	342.24	5	2606.976
5	Kottayam	0	0	1	1281.6	7	4444.914	1	1281.6	0	0	8	4049.5
6	Idukki	0	0	3	4381.653	1	5677.6	3	4381.65	0	0	4	4705.64
7	Ernakulam	3	2569.133	6	2152.02	2	3519.06	3	1734.91	2	3519.06	6	2152.02
8	Thrissur	1	2511.6	1	2511.6	9	3261.44	0	0	1	1496.04	9	3374.28
9	Palakkad	0	0	3	4707.567	7	2819.6	3	4707.57	0	0	10	3385.99
10	Malappuram	1	2380.8	6	2335.54	4	977.43	5	2326.49	0	0	10	1792.296
11	Kozhikode	3	857.827	11	1656.531	1	3822	8	1956.05	0	0	12	1836.987
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	2970.82	7	3502.023	1	2484.88	5	3714.5	0	0	8	3374.88
14	Kasaragod	0	0	5	3161.256	1	3251.28	4	3105.27	0	0	6	3176.26
	<b>Total</b>	<b>12</b>	<b>2259.45</b>	<b>61</b>	<b>3069.93</b>	<b>39</b>	<b>3134.02</b>	<b>48</b>	<b>3265.98</b>	<b>4</b>	<b>2219.1</b>	<b>96</b>	<b>3131.42</b>



Table 8(vii)

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

Sl.No.	District	STATE : KERALA		YEAR : 2011-12		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		Yield Rate		Rate of application		No.		Yield Rate	
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate
		3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	2545.41	0	0	6	5	5	6	76.33	24	31.6	2	669.6	
2	Kollam	6	4116.233	0	0	6	6	6	6	4116.233	22	48.2	0	0	
3	Pathanamthitta	4	2377.26	0	0	3	3	3	3	2994.213	57.67	105.33	1	526.4	
4	Alappuzha	6	3446.58	1	4482.6	4	4	4	4	5072.22	22.75	4	2	195.3	
5	Kottayam	6	3945.667	0	0	6	6	6	6	3945.667	56.17	50.67	0	0	
6	Idukki	4	4192.4	3	4060.8	4	4	3	4	4192.4	43.75	46.67	0	0	
7	Ernakulam	8	3746.455	3	3631.2	8	7	8	8	3746.455	66.5	54.88	0	0	
8	Thrissur	10	2656.472	3	2375.707	10	10	8	10	2656.472	108.2	45.5	0	0	
9	Palakkad	10	2907.76	6	3358.567	9	8	6	9	3165.4	113.33	61.5	1	589	
10	Malappuram	9	2427.92	1	1517.76	2	2	2	3	2069.56	39	45	6	2607.1	
11	Kozhikode	11	2480.164	0	0	7	7	4	7	3633.92	71.43	39	4	636.09	
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	8	3081.18	1	3755.8	5	5	3	5	3456.048	36.2	33.67	3	2456.4	
14	Kasargod	6	2419.24	0	0	5	4	3	5	2665.008	52.2	23	1	1190.4	
	<b>Total</b>	<b>96</b>	<b>3016.72</b>	<b>18</b>	<b>3339.48</b>	<b>75</b>	<b>71</b>	<b>60</b>	<b>76</b>	<b>3421.22</b>	<b>70.34</b>	<b>45.89</b>	<b>20</b>	<b>1479.59</b>	

Contd.....

Table 8(viii)

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

Sl.No.	District	STATE : KERALA		YEAR : 2011-12		SEASON : AUTUMN PADDY		CENTRAL SAMPLE					
		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	2	669.6	8	2545.41	0	0	6	3170.68	0	0	8	2545.41
2	Kollam	0	0	6	4116.233	0	0	6	4116.23	0	0	6	4116.233
3	Pathanamthitta	1	526.4	4	2377.26	0	0	3	2994.21	0	0	4	2377.26
4	Alappuzha	1	297.6	4	4025.97	2	2287.8	3	5268.76	1	93	5	4117.296
5	Kottayam	0	0	6	3945.667	0	0	6	3945.67	0	0	6	3945.667
6	Idukki	0	0	1	4587.2	3	4060.8	1	4587.2	0	0	4	4192.4
7	Ernakulam	0	0	5	3815.608	3	3631.2	5	3815.61	0	0	8	3746.455
8	Thrissur	0	0	7	2776.8	3	2375.707	7	2776.8	0	0	10	2656.472
9	Palakkad	0	0	3	2779.067	7	2962.914	3	2779.07	1	589	9	3165.4
10	Malappuram	3	3728.68	5	3175.392	4	1493.58	2	2345.46	3	1485.52	6	2899.12
11	Kozhikode	2	937.3	9	2956.893	2	334.88	7	3533.92	2	334.88	9	2956.893
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	2456.4	7	2984.806	1	3755.8	4	3381.11	0	0	8	3081.18
14	Kasargod	1	1190.4	6	2419.24	0	0	5	2665.01	0	0	6	2419.24
	<b>Total</b>	<b>13</b>	<b>1829.5</b>	<b>71</b>	<b>3150.5</b>	<b>25</b>	<b>2636.76</b>	<b>58</b>	<b>3446.59</b>	<b>7</b>	<b>829.76</b>	<b>89</b>	<b>3188.72</b>

Table 9(i)

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

STATE : KERALA YEAR : 2011-12 STATE SAMPLE

CROP : PADDY

SEASON : WINTER

SI.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	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	8	8				
12	Wayanad	4	4				
13	Kannur	8	8				
14	Kasargod	6	6				
		100	100				

Table 9(ii)

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

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	6				
5	Kottayam	8	8				
6	Idukki	4	4				
7	Ernakulam	8	6				2
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	Kasargod	6	6				
	<b>Total</b>	<b>100</b>	<b>98</b>				<b>2</b>

STATE : KERALA

YEAR : 2011-12

SEASON : Winter

CENTRAL SAMPLE

CROP : Paddy

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:2011-12			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	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
1	Tpvm	8	8	4234.3	0	8	4234.3	0	0	0	0	0	0	8	4234.3	0	0	8	4234.3	
2	Kollam	6	0	0	4	4763.85	4	4763.85	0	2	3403.4	2	3403.4	0	0	6	4310.37	6	4310.37	
3	Path	4	4	4123.44	0	4	4123.44	0	0	0	0	0	0	4	4123.44	0	0	4	4123.44	
4	Alpy	6	2	2855.1	2	2179.92	4	2517.51	0	2	472.44	2	472.44	2	2855.1	4	1326.18	6	1835.82	
5	Ktm	8	8	3684.59	0	8	3684.59	0	0	0	0	0	0	8	3684.59	0	0	8	3684.59	
6	Idukki	4	2	4028	2	3104.6	4	3566.3	0	0	0	0	0	2	4028	2	3104.6	4	3566.3	
7	EkM	8	8	3879.03	0	8	3879.03	0	0	0	0	0	0	8	3879.03	0	0	8	3879.03	
8	Thrs	10	10	4248.24	0	10	4248.24	0	0	0	0	0	0	10	4248.24	0	0	10	4248.24	
9	Pakkd	10	8	3262.54	1	4145.8	9	3360.68	1	1387	0	1	1387	9	3054.14	1	4145.8	10	3163.31	
10	Mlp	10	2	5196.32	1	4711.28	3	5034.64	6	2719.7	1	2992.96	7	2758.77	8	3338.88	2	3852.12	10	3441.53
11	Kozhi	8	0	0	1	3827.2	1	3827.2	0	0	7	2056.07	7	2056.07	0	0	8	2277.46	8	2277.46
12	Wyd	4	2	4263.12	0	0	2	4263.12	2	2765.8	0	2	2765.82	4	3514.47	0	0	4	3514.47	
13	Kannur	8	7	3906.76	0	0	7	3906.76	1	1186.6	0	1	1186.64	8	3566.75	0	0	8	3566.75	
14	Ksrtd	6	4	4464.93	0	0	4	4464.93	2	2021.8	0	2	2021.82	6	3650.56	0	0	6	3650.56	
	<b>State</b>	<b>100</b>	<b>65</b>	<b>3959.26</b>	<b>11</b>	<b>3846.25</b>	<b>76</b>	<b>3942.9</b>	<b>12</b>	<b>2372.3</b>	<b>12</b>	<b>2094.76</b>	<b>24</b>	<b>2233.52</b>	<b>77</b>	<b>3711.94</b>	<b>23</b>	<b>2932.43</b>	<b>100</b>	<b>3532.65</b>

Table 9(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:2011-12						SEASON:WINTER						CROP: PADDY						CENTRAL SAMPLE					
			Irrigated			Un irrigated			Total			Irrigated			Un irrigated			total			Irrigated			Un irrigated			Both Hy & Others					
			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	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21													
1	Tyvm	8	8	3695.18	0	0	3695.18	0	0	0	0	0	0	8	3695.18	0	0	8	3695.18													
2	Kollam	6	0	0	5	3698.97	0	0	0	1	4440.8	1	4440.8	0	0	6	3822.61	6	3822.61													
3	Path	4	4	4230.16	0	0	4230.16	0	0	0	0	0	0	4	4230.16	0	0	4	4230.16													
4	Alpy	6	4	4427.73	2	3684.66	6	4180.04	0	0	0	0	0	4	4427.73	2	3684.66	6	4180.04													
5	Kottm	8	7	3893.76	1	2693.6	8	3743.74	0	0	0	0	0	7	3893.76	1	2693.6	8	3743.74													
6	Idukki	4	4	3872.2	0	0	4	3872.2	0	0	0	0	0	4	3872.2	0	0	4	3872.2													
7	EkM	6	5	2934.34	0	0	5	2934.34	1	1544	0	1	1543.8	6	2702.58	0	0	6	2702.58													
8	Thrs	10	8	4166.4	2	2362.2	10	3805.56	0	0	0	0	0	8	4166.4	2	2362.2	10	3805.56													
9	Pakkd	10	9	3695.29	1	3256.6	10	3651.42	0	0	0	0	0	9	3695.29	1	3256.6	10	3651.42													
10	Mlp	10	3	3996.88	1	3647.2	4	3909.46	3	3089	3	2906.48	6	2997.97	6	3543.17	4	3091.66	10	3362.57												
11	Kozhi	8	0	0	1	2235.6	1	2235.6	0	0	7	1461.75	7	1461.75	0	0	8	1558.48	8	1558.48												
12	Wyd	4	3	3875	0	0	3	3875	1	4505	0	0	1	4504.92	4	4032.48	0	0	4	4032.48												
13	Kannur	8	6	4062.85	1	3312.4	7	3955.64	0	0	1	2002	1	2002	6	4062.85	2	2657.2	8	3711.44												
14	Ksrtd	6	3	3558.8	1	2871.84	4	3387.06	1	3013	1	3619.56	2	3316.38	4	3422.4	2	3245.7	6	3363.5												
	State	98	64	3857.31	15	3240.39	79	3740.17	6	3055	13	2231.85	19	2491.81	70	3788.54	28	2772.14	98	3498.14												

Table 9(v)

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

Sl.No.	District	STATE : KERALA		YEAR : 2011-12		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		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	4234.3	2	3497.84	7	5	5	7	4249.874	69.39	36.6	47.76	1	4125.28
2	Kollam	6	4310.367	0	0	5	5	1	5	4724.72	34.12	13.32	15.6	1	2238.6
3	Pathanamthitta	4	4123.44	2	4226.48	4	3	4	4	4123.44	77.25	37.33	38.25	0	0
4	Alappuzha	6	1835.82	4	2517.51	4	4	4	4	2517.51	60.6	15.5	21.75	2	472.44
5	Kottayam	8	3684.59	4	3114.93	8	8	8	8	3684.59	60.25	33.4	33.19	0	0
6	Idukki	4	3566.3	2	4028	2	2	2	2	4028	79	20	30.5	2	3104.6
7	Ernakulam	8	3879.03	1	2183.64	8	8	5	8	3879.03	34.37	17.49	43.68	0	0
8	Thrissur	10	4248.24	5	4910.4	10	9	10	10	4248.24	29.25	21.16	25.14	0	0
9	Palakkad	10	3163.31	6	3404.167	10	9	5	10	3163.31	69	28.78	68.2	0	0
10	Malappuram	10	3441.528	2	1496.48	8	8	6	8	3696.08	45.65	27.43	44.5	2	2423.32
11	Kozhikode	8	2277.46	1	1519.84	5	5	5	5	2879.968	56.89	32.3	36.68	3	1273.28
12	Wayanad	4	3514.47	0	0	4	4	3	4	3514.47	44.1	32.83	32.83	0	0
13	Kannur	8	3566.745	0	0	7	7	7	7	3906.76	51.24	23.66	43.83	1	1186.64
14	Kasargod	6	3650.56	3	4517.32	6	6	4	6	3650.56	34.21	34.21	51.56	0	0
	<b>Total</b>	<b>100</b>	<b>3532.65</b>	<b>32</b>	<b>3476.87</b>	<b>88</b>	<b>83</b>	<b>69</b>	<b>88</b>	<b>3748.8</b>	<b>53.24</b>	<b>26.72</b>	<b>38.11</b>	<b>12</b>	<b>1947.59</b>

Table 9(vi)

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

Sl.No.	District	STATE : KERALA		YEAR : 2011-12		SEASON : WINTER		CROP: PADDY		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	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	1	4125.28	6	4479.787	2	3497.84	5	4550.69	0	0	8	4234.3
2	Kollam	1	2238.6	6	4310.367	0	0	5	4724.72	0	0	6	4310.367
3	Pathanamthitta	0	0	2	4020.4	2	4226.48	2	4020.4	0	0	4	4123.44
4	Alappuzha	0	0	0	0	6	1835.82	0	0	2	472.44	4	2517.51
5	Kottayam	0	0	4	4254.25	4	3114.93	4	4254.25	0	0	8	3684.59
6	Idukki	1	1755.6	1	1755.6	3	4169.867	0	0	1	4453.6	3	3270.533
7	Ernakulam	0	0	7	4121.229	1	2183.64	7	4121.23	0	0	8	3879.03
8	Thrissur	0	0	5	3586.08	5	4910.4	5	3586.08	0	0	10	4248.24
9	Palakkad	0	0	4	2802.025	6	3404.167	4	2802.03	0	0	10	3163.31
10	Malappuram	2	2423.32	8	3424.89	2	3508.08	6	3758.75	0	0	10	3441.528
11	Kozhikode	3	1273.28	7	2385.691	1	1519.84	4	3220	0	0	8	2277.46
12	Wayanad	0	0	4	3514.47	0	0	4	3514.47	0	0	4	3514.47
13	Kannur	1	1186.64	8	3566.745	0	0	7	3906.76	0	0	8	3566.745
14	Kasargod	0	0	3	2783.8	3	4517.32	3	2783.8	0	0	6	3650.56
	<b>Total</b>	<b>9</b>	<b>1996.96</b>	<b>65</b>	<b>3578.21</b>	<b>35</b>	<b>3448.04</b>	<b>56</b>	<b>3832.34</b>	<b>3</b>	<b>1799.49</b>	<b>97</b>	<b>3586.25</b>



Table 9(vii)

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

Sl.No.	District	STATE : KERALA				YEAR : 2011-12				SEASON : WINTER PADDY				CENTRAL 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		Yield Rate		No.	
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	Yield Rate	No.	Yield Rate	No.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
1	Thiruvananthapuram	8	3695.18	0	0	6	4	6	6	4402.507	88.67	43.75	51.5	2	1573.2		
2	Kollam	6	3822.607	1	2620.8	5	4	5	5	3698.968	64.8	20.25	63.6	1	4440.8		
3	Pathanamthitta	4	4230.16	2	4163.92	4	4	4	4	4230.16	48.25	32.5	50.25	0	0		
4	Alappuzha	6	4180.04	4	3748.83	6	6	6	6	4180.04	109.17	22.83	43.5	0	0		
5	Kottayam	8	3743.74	6	3679.433	8	8	6	8	3743.74	56.75	28.38	41	0	0		
6	Idukki	4	3872.2	2	2745.5	4	4	3	4	3872.2	45.25	31	41.33	0	0		
7	Ernakulam	6	2702.58	1	1636.8	6	6	5	6	2702.58	56	36	38.2	0	0		
8	Thrissur	10	3805.56	5	3957.336	9	9	9	9	3802.667	73.22	32.67	62.22	1	3831.6		
9	Palakkad	10	3651.42	4	3885.5	9	8	7	9	3695.289	89.22	49.63	48.71	1	3256.6		
10	Malappuram	10	3362.568	3	2926.533	9	8	3	9	3167.591	46.56	43.5	164.67	1	5117.36		
11	Kozhikode	8	1558.48	0	0	6	5	2	6	1471.693	50.5	37.2	63	2	1818.84		
12	Wayanad	4	4032.48	2	4209.18	3	2	1	3	4307.76	34	80	1	1	3206.64		
13	Kannur	8	3711.435	0	0	6	6	6	6	4062.847	36.67	21.33	38.5	2	2657.2		
14	Kasaragod	6	3363.5	2	3437.28	6	5	5	6	3363.5	25	18.8	15.6	0	0		
	<b>Total</b>	<b>98</b>	<b>3498.14</b>	<b>32</b>	<b>3579.67</b>	<b>87</b>	<b>79</b>	<b>68</b>	<b>87</b>	<b>3573.18</b>	<b>58.86</b>	<b>35.56</b>	<b>51.65</b>	<b>11</b>	<b>2904.68</b>		

Table 9(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	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	2	1573.2	8	3695.18	0	0	6	4402.51	0	0	8	3695.18
2	Kollam	1	4440.8	5	4062.968	1	2620.8	4	3968.51	0	0	6	3822.607
3	Pathanamthitta	0	0	2	4296.4	2	4163.92	2	4296.4	0	0	4	4230.16
4	Alappuzha	0	0	2	5042.46	4	3748.83	2	5042.46	0	0	6	4180.04
5	Kottayam	0	0	2	3936.66	6	3679.433	2	3936.66	0	0	8	3743.74
6	Idukki	0	0	2	4998.9	2	2745.5	2	4998.9	0	0	4	3872.2
7	Ernakulam	0	0	5	2915.736	1	1636.8	5	2915.74	0	0	6	2702.58
8	Thrissur	1	3831.6	5	3653.784	5	3957.336	4	3609.33	0	0	10	3805.56
9	Palakkad	0	0	5	3543.12	5	3759.72	5	3543.12	1	3256.6	9	3695.289
10	Malappuram	0	0	6	3288.12	4	3474.24	6	3288.12	1	5117.36	9	3167.591
11	Kozhikode	1	2235.6	7	1580.823	1	1402.08	6	1471.69	1	1402.08	7	1580.823
12	Wayanad	0	0	1	4504.92	3	3875	1	4504.92	1	3206.64	3	4307.76
13	Kannur	2	2657.2	8	3711.435	0	0	6	4062.85	0	0	8	3711.435
14	Kasargod	0	0	4	3326.61	2	3437.28	4	3326.61	0	0	6	3363.5
	<b>Total</b>	<b>7</b>	<b>2709.83</b>	<b>62</b>	<b>3472.35</b>	<b>36</b>	<b>3542.56</b>	<b>55</b>	<b>3569.4</b>	<b>4</b>	<b>3245.67</b>	<b>94</b>	<b>3508.89</b>

Table 10(i)

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

STATE : KERALA      YEAR : 2011-12      STATE SAMPLE  
 SEASON : SUMMER      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	NIL	NIL				
3	Pathanamthitta	4	4				
4	Alappuzha	12	7		5		
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	95		5		
	Percentage to col.3						

table 10(ii)

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

Sl.No.	District	SEASON : Summer		CENTRAL SAMPLE			
		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	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	8	7		1		
12	Wayanad	4	4				
13	Kannur	8	8				
14	Kasaragod	6	6				
	<b>Total</b>	<b>100</b>	<b>99</b>		<b>1</b>		
	% to col.3						

Table 10(iii)

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

Sl.No	District	STATE:KERALA										STATE SAMPLE										
		YEAR: 2011-12					SEASON:SUMMER PADDY					Both Hy & Others					Total					
		HY varieties		Other Varieties		total	Irrigated		Un irrigated		No.of Experiments	Irrigated		Un irrigated		No.of Experiments	Irrigated		Un irrigated		No.of Experiments	Yield Rate Kg/Ha
		Irrigated	Un irrigated	Irrigated	Un irrigated		Irrigated	Un irrigated	Irrigated	Un irrigated		Irrigated	Un irrigated	Irrigated	Un irrigated		Irrigated	Un irrigated				
No. of expts. Checked at harvest	No. of Experiments	Yield Rate Kg/Ha	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	Tvpm	6	6	3479.44	0	0	0	0	0	0	0	0	0	0	6	3479.44	0	0	6	3479.44	0	0
2	Kollam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Path	4	4	4141.41	0	0	4	4141.41	0	0	0	0	0	0	4	4141.41	0	0	4	4141.41	0	0
4	Alpy	7	7	3471.29	0	0	7	3471.29	0	0	0	0	0	0	7	3471.29	0	0	7	3471.29	0	0
5	Kottim	8	8	4098.14	0	0	8	4098.14	0	0	0	0	0	0	8	4098.14	0	0	8	4098.14	0	0
6	Idukki	4	4	4415.18	0	0	4	4415.18	0	0	0	0	0	0	4	4415.18	0	0	4	4415.18	0	0
7	EkM	8	7	2534.99	1	460	8	2275.62	0	0	0	0	0	0	7	2534.99	1	460	8	2275.62	0	0
8	Thrs	10	8	5702.76	0	0	8	5702.76	2	4990	0	0	2	4990.38	10	5560.28	0	0	10	5560.28	0	0
9	Pakkd	10	10	4247.04	0	0	10	4247.04	0	0	0	0	0	0	10	4247.04	0	0	10	4247.04	0	0
10	Mlp	10	9	5100.8	0	0	9	5100.8	1	1578	0	0	1	1578.24	10	4748.54	0	0	10	4748.54	0	0
11	Kozhi	8	5	2336.06	3	5348.27	8	3465.64	0	0	0	0	0	0	5	2336.06	3	5348.27	8	3465.64	0	0
12	Wyd	4	4	3473	0	0	4	3473	0	0	0	0	0	0	4	3473	0	0	4	3473	0	0
13	Kannur	8	8	3507.3	0	0	8	3507.3	0	0	0	0	0	0	8	3507.3	0	0	8	3507.3	0	0
14	Ksrkd	6	4	2670.03	0	0	4	2670.03	2	2658	0	0	2	2657.94	6	2666	0	0	6	2666	0	0
	<b>State</b>	<b>93</b>	<b>84</b>	<b>3907.65</b>	<b>4</b>	<b>4126.2</b>	<b>88</b>	<b>3917.58</b>	<b>5</b>	<b>3375</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>3374.98</b>	<b>89</b>	<b>3877.72</b>	<b>4</b>	<b>4126.2</b>	<b>93</b>	<b>3888.41</b>		

Thiruvananthapuram-2 experiments-The weight of produce is zero.

Table 10(iv)

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

Sl No.	District	STATE:KERALA				YEAR: 2011-12				SEASON:SUMMER PADDY				CENTRAL SAMPLE						
		HY varieties		Total		Irrigated		Other Varieties		total		Irrigated		Both Hy & Others		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	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	Tvprn	8	8	3808.8	0	0	8	3808.8	0	0	0	0	0	0	8	3808.8	0	0	8	3808.8
2	Kollam	6	2	3597.2	4	2081.96	6	2587.04	0	0	0	0	0	0	2	3597.2	4	2081.96	6	2587.04
3	Path	4	4	2457	0	0	4	2457	0	0	0	0	0	0	4	2457	0	0	4	2457
4	Alpy	6	6	5154.68	0	0	6	5154.68	0	0	0	0	0	0	6	5154.68	0	0	6	5154.68
5	Kottm	8	8	5527.36	0	0	8	5527.36	0	0	0	0	0	0	8	5527.36	0	0	8	5527.36
6	Idukki	4	3	4094.64	0	0	3	4094.64	1	4117	0	0	1	4117.2	4	4100.28	0	0	4	4100.28
7	EkM	8	8	2277	0	0	8	2277	0	0	0	0	0	0	8	2277	0	0	8	2277
8	Thrs	10	10	3728.93	0	0	10	3728.93	0	0	0	0	0	0	10	3728.93	0	0	10	3728.93
9	Pakkd	10	10	4268.54	0	0	10	4268.54	0	0	0	0	0	0	10	4268.54	0	0	10	4268.54
10	Mlp	10	9	5733.12	0	0	9	5733.12	1	3057	0	0	1	3056.64	10	5465.47	0	0	10	5465.47
11	Kozhi	7	6	3743.17	0	0	6	3743.17	1	2458	0	0	1	2458.24	7	3559.61	0	0	7	3559.61
12	Wyd	4	4	4366.32	0	0	4	4366.32	0	0	0	0	0	0	4	4366.32	0	0	4	4366.32
13	Kannur	8	6	4257.6	0	0	6	4257.6	2	4212	0	0	2	4212	8	4246.2	0	0	8	4246.2
14	Ksrgd	6	4	5064.78	0	0	4	5064.78	2	2766	0	0	2	2765.82	6	4298.46	0	0	6	4298.46
	State	99	88	4209.56	4	2081.96	92	4117.06	7	3370	0	0	7	3369.67	95	4147.68	4	2081.96	99	4064.21

Table 10(v)

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

STATE : KERALA      YEAR : 2011-12      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/H a)	No.	Yield Rate(KG/Ha )	No. of Experiments			Rate of application		K	No.	Yield Rate(KG/Ha)		
						N	P	K	Exclusive Total	Yield Rate(KG/H a)				N	P
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	6	3479.44	2	3367.2	6	6	6	6	3479.44	68.79	30.77	49.6	0	0
2	Kollam	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Pathanamthitta	4	4141.41	1	2584.4	3	3	3	3	3483.48	55	23.67	43.67	1	6115.2
4	Alappuzha	7	3471.291	7	3471.291	7	7	7	7	3471.291	57.84	29.71	31.37	0	0
5	Kottayam	8	4098.14	7	4520.091	7	7	7	7	4520.091	83.69	37.29	44.63	1	1144.48
6	Idukki	4	4415.18	2	4316.48	4	4	1	4	4415.18	94.5	42.75	21	0	0
7	Ernakulam	8	2275.62	1	2542.88	7	6	5	7	2534.994	36.77	14.2	51.92	1	460
8	Thrissur	10	5560.284	6	5309.68	10	10	9	10	5560.284	51.95	26.38	24.25	0	0
9	Palakkad	10	4247.04	6	4131.2	9	8	7	9	4082.347	86.78	37.63	39.86	1	5729.28
10	Malappuram	10	4748.544	3	3936	9	8	7	9	5100.8	52.47	22.5	72.43	1	1578.24
11	Kozhikode	8	3465.64	0	0	7	7	6	7	3429.76	62.74	37.86	45.1	1	3716.8
12	Wayanad	4	3473	1	2874.08	4	4	2	4	3473	39.16	26.01	0	0	0
13	Kannur	8	3507.3	1	3355.2	7	7	4	7	3616.971	54.2	42.06	48.5	1	2739.6
14	Kasargod	6	2666	1	2109.24	6	6	4	6	2666	47.93	27.13	33.15	0	0
		93	3888.41	38	4032.27	86	83	68	86	3955.1	60.91	30.61	38.88	7	3069.09

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	4	3535.56	2	3367.2	4	3535.56	0	0	6	3479.44
2	Kollam	0	0	0	0	0	0	0	0	0	0	0	0
3	Pathanamthitta	1	6115.2	3	4660.413	1	2584.4	2	3933.02	0	0	4	4141.41
4	Alappuzha	0	0	0	0	7	3471.291	0	0	0	0	7	3471.291
5	Kottayam	0	0	0	0	8	4098.14	0	0	1	1144.48	7	4520.091
6	Idukki	0	0	2	4513.88	2	4316.48	2	4513.88	0	0	4	4415.18
7	Ernakulam	1	460	7	2237.44	1	2542.88	6	2533.68	0	0	8	2275.62
8	Thrissur	0	0	4	5936.19	6	5309.68	4	5936.19	0	0	10	5560.284
9	Palakkad	0	0	3	3984.64	7	4359.497	3	3984.64	1	5729.28	9	4082.347
10	Malappuram	1	1578.24	7	5096.777	3	3936	6	5683.2	0	0	10	4748.544
11	Kozhikode	1	3716.8	8	3465.64	0	0	7	3429.76	0	0	8	3465.64
12	Wayanad	0	0	3	3672.64	1	2874.08	3	3672.64	0	0	4	3473
13	Kannur	1	2739.6	7	3529.029	1	3355.2	6	3660.6	0	0	8	3507.3
14	Kasaragod	0	0	5	2777.352	1	2109.24	5	2777.35	0	0	6	2666
	<b>Total</b>	<b>5</b>	<b>2921.97</b>	<b>53</b>	<b>3802.31</b>	<b>40</b>	<b>4002.5</b>	<b>48</b>	<b>3894.01</b>	<b>2</b>	<b>3436.88</b>	<b>91</b>	<b>3898.34</b>



Table 10(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		Experiments With Fertilizers										Experiments not Treated with Fertilizers					
		STATE : KERALA		YEAR : 2011-12		SEASON : SUMMER PADDY		CENTRAL SAMPLE		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	N	P	K					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16						
1	Thiruvananthapuram	8	3808.8	0	0	7	7	8	8	3808.8	66.14	29.14	57.63	0	0						
2	Kollam	6	2587.04	2	2520.8	4	3	2	4	3059	70.25	41.67	32.5	2	1643.12						
3	Pathanamthitta	4	2457	3	2614.733	4	4	4	4	2457	53	29.25	34.5	0	0						
4	Alappuzha	6	5154.68	6	5154.68	6	6	6	6	5154.68	74.5	38.83	50.17	0	0						
5	Kottayam	8	5527.36	6	5621.2	7	8	8	8	5527.36	81.57	66.88	74.5	0	0						
6	Idukki	4	4100.28	3	4094.64	4	3	1	4	4100.28	46.75	58.33	9	0	0						
7	Ernakulam	8	2277	4	2267.8	8	8	6	8	2277	48.75	27.5	41.83	0	0						
8	Thrissur	10	3728.928	0	0	8	8	8	8	4541.655	68	31.88	44.75	2	478.02						
9	Pala k kad	10	4268.544	5	4310.016	10	9	9	10	4268.544	108.8	49.78	64.78	0	0						
10	Malappuram	10	5465.472	2	5550.72	8	8	5	8	5618.4	69.25	46	42.4	2	4853.76						
11	Kozhikode	7	3559.611	2	4014.88	6	5	4	6	3981.147	79.83	51.4	90	1	1030.4						
12	Wayanad	4	4366.32	3	4274.933	3	3	3	3	4274.933	31.67	72	1	1	4640.48						
13	Kannur	8	4246.2	0	0	8	8	8	8	4246.2	78.13	31	63.75	0	0						
14	Kasargod	6	4298.46	2	3441	6	5	2	6	4298.46	64.17	41.4	23.5	0	0						
		99	4064.21	38	4191.69	89	85	74	91	4205.89	67.2	43.93	45.02	8	2452.59						

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	3808.8	0	0	8	3808.8	0	0	8	3808.8
2	Kollam	2	1643.12	4	2620.16	2	2520.8	2	3597.2	0	0	6	2587.04
3	Pathanamthitta	0	0	1	1983.8	3	2614.733	1	1983.8	0	0	4	2457
4	Alappuzha	0	0	0	0	6	5154.68	0	0	0	0	6	5154.68
5	Kottayam	0	0	2	5245.84	6	5621.2	2	5245.84	0	0	8	5527.36
6	Idukki	0	0	1	4117.2	3	4094.64	1	4117.2	0	0	4	4100.28
7	Ernakulam	0	0	4	2286.2	4	2267.8	4	2286.2	0	0	8	2277
8	Thrissur	2	478.02	10	3728.928	0	0	8	4541.66	0	0	10	3728.928
9	Palakkad	0	0	5	4227.072	5	4310.016	5	4227.07	0	0	10	4268.544
10	Malappuram	2	4853.76	8	5444.16	2	5550.72	6	5640.96	0	0	10	5465.472
11	Kozhikode	1	1030.4	5	3377.504	2	4014.88	4	3964.28	0	0	7	3559.611
12	Wayanad	1	4640.48	1	4640.48	3	4274.933	0	0	0	0	4	4366.32
13	Kannur	0	0	8	4246.2	0	0	8	4246.2	0	0	8	4246.2
14	Kasargod	0	0	4	4727.19	2	3441	4	4727.19	0	0	6	4298.46
	Total	8	2452.59	61	3984.8	38	4191.69	53	4216.08	0	0	99	4064.21

Table 11(i)

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

STATE : KERALA YEAR : 2011-12 STATE 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	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	4	4				
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	6	6				
11	Kozhikode	4	4				
12	Wayanad	4	4				
13	Kannur	4	4				
14	Kasargod	4	4				
Total for all crops		60	60				
Percentage to col.3							

Table 11(ii)

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

STATE : KERALA

YEAR : 2011-12

CENTRAL SAMPLE

CROP : Banana

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		4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	4	4				
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	6	6				
11	Kozhikode	4	4				
12	Wayanad	4	4				
13	Kannur	4	4				
14	Kasargod	4	4				
	<b>Total</b>	<b>60</b>	<b>60</b>				

Table 11(iii)

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

STATE: KERALA      YEAR: 2011-12      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		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	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tyvm	4	0	0	0	0	0	0	4	14767	0	0	4	14766.7	4	14766.7	0	0	4	14766.67
2	Kollam	4	0	0	0	0	0	0	4	15983	0	0	4	15983.3	4	15983.3	0	0	4	15983.33
3	Ptnhta	4	0	0	0	0	0	0	2	22833	2	13500	4	18166.7	2	22833.3	2	13500	4	18166.67
4	Alpza	4	0	0	0	0	0	0	4	11900	0	0	4	11900	4	11900	0	0	4	11900
5	Kotym	4	0	0	0	0	0	0	1	20567	3	16266.7	4	17341.7	1	20566.7	3	16266.7	4	17341.67
6	Idukki	4	0	0	0	0	0	0	3	26644	1	21866.7	4	25450	3	26644.4	1	21866.7	4	25450
7	Ernkim	4	0	0	0	0	0	0	2	14267	2	15600	4	14933.3	2	14266.7	2	15600	4	14933.33
8	Trissur	4	1	18100	0	0	1	18100	3	15522	0	0	3	15522.2	4	16166.7	0	0	4	16166.67
9	Palakkad	6	0	0	0	0	0	0	4	14267	2	15833.3	6	14788.9	4	14266.7	2	15833.3	6	14788.89
10	Mlpram	6	0	0	0	0	0	0	2	13067	4	15658.3	6	14794.4	2	13066.7	4	15658.3	6	14794.44
11	Kozkd	4	0	0	0	0	0	0	3	13844	1	24666.7	4	16550	3	13844.4	1	24666.7	4	16550
12	Wynad	4	0	0	0	0	0	0	3	22511	1	14333.3	4	20466.7	3	22511.1	1	14333.3	4	20466.67
13	Kannur	4	0	0	0	0	0	0	4	19867	0	0	4	19866.7	4	19866.7	0	0	4	19866.67
14	Ksrgod	4	0	0	0	0	0	0	3	15644	1	13500	4	15108.3	3	15644.4	1	13500	4	15108.33
	State	60	1	18100	0	0	1	18100	42	16917	17	16215.7	59	16715.3	43	16945	17	16215.7	60	16738.33

Table 11(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		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	Tvpm	4	0	0	0	0	0	0	4	15617	0	0	4	15616.7	4	15616.7	0	0	4	15616.67
2	Kollam	4	0	0	0	0	0	0	1	5667	3	13588.9	4	11608.3	1	5666.67	3	13588.9	4	11608.33
3	Path	4	0	0	0	0	0	0	3	15333	1	12666.7	4	14666.7	3	15333.3	1	12666.7	4	14666.67
4	Alpy	4	0	0	0	0	0	0	0	0	4	14775	4	14775	0	0	4	14775	4	14775
5	Kottim	4	0	0	0	0	0	0	0	0	4	20641.7	4	20641.7	0	0	4	20641.7	4	20641.67
6	Idukki	4	0	0	0	0	0	0	0	0	4	18416.7	4	18416.7	0	0	4	18416.7	4	18416.67
7	Ekm	4	0	0	0	0	0	0	3	13467	1	15333.3	4	13933.3	3	13466.7	1	15333.3	4	13933.33
8	Thrs	4	0	0	0	0	0	0	4	15208	0	0	4	15208.3	4	15208.3	0	0	4	15208.33
9	Pakkd	6	0	0	0	0	0	0	6	14997	0	0	6	14996.7	6	14996.7	0	0	6	14996.67
10	Mlp	6	0	0	0	0	0	0	6	13198	0	0	6	13197.8	6	13197.8	0	0	6	13197.78
11	Kozhi	4	0	0	0	0	0	0	4	11305	0	0	4	11305	4	11305	0	0	4	11305
12	Wyd	4	0	0	0	0	0	0	2	14767	2	16500	4	15633.3	2	14766.7	2	16500	4	15633.33
13	Kannur	4	0	0	0	0	0	0	2	19607	2	12933.3	4	16270	2	19606.7	2	12933.3	4	16270
14	Ksrgd	4	0	0	0	0	0	0	3	14856	1	17733.3	4	15575	3	14855.6	1	17733.3	4	15575
	<b>State</b>	<b>60</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38</b>	<b>14291</b>	<b>22</b>	<b>16395.5</b>	<b>60</b>	<b>15062.8</b>	<b>38</b>	<b>14291.2</b>	<b>22</b>	<b>16395.5</b>	<b>60</b>	<b>15062.78</b>

Table 11(v)

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

STATE : KERALA      YEAR : 2011-12      SEASON : ANNUAL, 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			K	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	14766.667	0	0	4	3	2	4	14766.667	228	120	240	0	0
2	Kollam	4	15983.333	0	0	0	0	0	0	0	0	0	0	4	15983.33
3	Pathanamthitta	4	18166.667	2	13500	4	4	4	4	18166.667	90.5	90.5	92.75	0	0
4	Alappuzha	4	11900	1	11333.3	2	2	0	2	10766.667	673	675	0	2	13033.33
5	Kottayam	4	17341.667	0	0	4	3	4	4	17340	212.5	164.67	266	0	0
6	Idukki	4	25450	0	0	3	3	2	3	26644.444	216.67	186.33	90	1	21866.67
7	Ernakulam	4	14933.333	1	13333.3	2	0	2	2	14266.667	299	0	300	2	15600
8	Thrissur	4	16166.667	0	0	4	3	4	4	16166.667	99.75	87	189.5	0	0
9	Palakkad	6	14788.889	0	0	4	4	4	4	14266.667	227	85	312	2	15833.33
10	Malappuram	6	14794.444	1	17466.7	1	1	1	1	17466.667	162	162	234	5	14260
11	Kozhikode	4	16550	0	0	4	3	2	4	16550	177	113.33	300	0	0
12	Wayanad	4	20466.667	0	0	3	2	1	3	16955.556	651.15	593	593	1	31000
13	kannur	4	19866.667	0	0	3	2	2	3	20444.444	200.33	119	326	1	18133.33
14	Kasaragod	4	15108.333	0	0	3	4	1	4	15108.333	39.7	79.78	9.11	0	0
	<b>Total</b>	<b>60</b>	<b>16738.33</b>	<b>5</b>	<b>13826.7</b>	<b>41</b>	<b>34</b>	<b>29</b>	<b>42</b>	<b>16883.97</b>	<b>252.05</b>	<b>206.3</b>	<b>246.03</b>	<b>18</b>	<b>16398.15</b>

Table 11(vi)

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

Sl.No.	STATE: KERALA	District	YEAR: 2011-12				SEASON : ANNUAL				CROP : BANANA				STATE 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)	No.	Yield Rate (KG/Ha)
1		2	17	18	19	20	21	22	23	24	25	26	27	28				
1		Thiruvananthapuram	0	0	4	14766.667	0	0	4	14766.7	0	0	4	14766.7				
2		Kollam	4	15983.333	4	15983.333	0	0	0	0	0	0	4	15983.3				
3		Pathanamthitta	0	0	2	22833.333	2	13500	2	22833.3	0	0	4	18166.7				
4		Alappuzha	1	13400	2	11800	2	12000	1	10200	1	12666.667	3	11644.4				
5		Kottayam	0	0	4	17340	0	0	4	17340	0	0	4	17340				
6		Idukki	1	21866.667	4	25450	0	0	3	26644.4	0	0	4	25450				
7		Ernakulam	2	15600	3	15466.667	1	13333.33	1	15200	0	0	4	14933.3				
8		Thrissur	0	0	4	16166.667	0	0	4	16166.7	0	0	4	16166.7				
9		Palakkad	2	15833.333	6	14788.889	0	0	4	14266.7	0	0	6	14788.9				
10		Malappuram	3	12544.444	3	12544.444	3	17044.44	0	0	2	16833.333	4	13775				
11		Kozhikode	0	0	4	16550	0	0	4	16550	0	0	4	16550				
12		Wayanad	1	31000	4	20466.667	0	0	3	16955.6	0	0	4	20466.7				
13		Kannur	1	18133.333	4	19866.667	0	0	3	20444.4	0	0	4	19866.7				
14		Kasargod	0	0	4	15108.333	0	0	4	15108.3	0	0	4	15108.3				
		<b>Total</b>	<b>15</b>	<b>16588.89</b>	<b>52</b>	<b>17092.82</b>	<b>8</b>	<b>14433.33</b>	<b>37</b>	<b>17297.1</b>	<b>3</b>	<b>15444.44</b>	<b>57</b>	<b>16806.3</b>				



Table 11(vii)

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

Sl.No.	District	STATE : KERALA		YEAR : 2011-12		SEASON : ANNUAL BANANA		CENTRAL SAMPLE							
		Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		No. of Experiments		Rate of application		Experiments not Treated with Fertilizers					
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	N	P	K	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	15616.667	0	0	3	3	2	3	16177.778	188	103.67	370.5	1	13933.33
2	Kollam	4	11608.333	0	0	4	3	2	4	11608.333	260	189.33	269.5	0	0
3	Pathanamthitta	4	14666.667	0	0	2	2	1	3	15333.333	80.5	80.5	151	1	12666.67
4	Alappuzha	4	14775	2	18333.3	2	2	0	2	18333.333	829.5	318	0	2	11216.67
5	Kottayam	4	20641.667	2	22866.7	3	3	2	3	19800	207.33	207.33	91.5	1	23166.67
6	Idukki	4	18416.667	0	0	1	1	0	1	20466.667	200	200	0	3	17733.33
7	Ernakulam	4	13933.333	1	15333.3	3	3	3	4	13933.333	99.33	77	235.67	0	0
8	Thrissur	4	15208.333	0	0	0	0	1	1	8600	0	0	178	3	17411.11
9	Palakkad	6	14996.667	0	0	6	6	5	6	14996.667	444.17	293.17	535.6	0	0
10	Malappuram	6	13197.778	0	0	5	5	3	6	13197.778	248	129.6	606.33	0	0
11	Kozhikode	4	11305	0	0	2	2	0	2	14666.667	233.5	128.5	0	2	7943.333
12	Wayanad	4	15633.333	0	0	2	1	2	2	14766.667	198	241	241	2	16500
13	Kannur	4	16270	0	0	3	2	1	3	16604.444	123.33	93	90	1	15266.67
14	Kasaragod	4	15575	1	8000	3	2	2	3	14855.556	171.07	87	87	1	17733.33
	Total	60	15062.78	6	17622.2	39	35	24	43	14982.48	252.52	165.24	259.65	17	15265.88

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	13933.333	4	15616.667	0	0	3	16177.8	0	0	4	15616.7
2	Kollam	0	0	4	11608.333	0	0	4	11608.3	0	0	4	11608.3
3	Pathanamthitta	1	12666.667	4	14666.667	0	0	3	15333.3	0	0	4	14666.7
4	Alappuzha	2	11216.667	2	11216.667	2	18333.33	0	0	0	0	4	14775
5	Kottayam	1	23166.667	2	18416.667	2	22866.67	1	13666.7	0	0	4	20641.7
6	Idukki	2	18433.333	3	19111.111	1	16333.33	1	20466.7	1	16333.333	3	19111.1
7	Ernakulam	0	0	3	13466.667	1	15333.33	3	13466.7	0	0	4	13933.3
8	Thrissur	3	17411.111	4	15208.333	0	0	1	8600	0	0	4	15208.3
9	Palakkad	0	0	6	14996.667	0	0	6	14996.7	0	0	6	14996.7
10	Malappuram	0	0	6	13197.778	0	0	6	13197.8	0	0	6	13197.8
11	Kozhikode	2	7943.333	4	11305	0	0	2	14666.7	0	0	4	11305
12	Wayanad	1	17333.333	3	15622.222	1	15666.67	2	14766.7	1	15666.667	3	15622.2
13	Kannur	0	0	3	16604.444	1	15266.67	3	16604.4	1	15266.667	3	16604.4
14	Kasargod	1	17733.333	3	18100	1	8000	2	18283.3	0	0	4	15575
	<b>Total</b>	<b>14</b>	<b>15160.95</b>	<b>51</b>	<b>14720.92</b>	<b>9</b>	<b>17000</b>	<b>37</b>	<b>14554.4</b>	<b>3</b>	<b>15755.56</b>	<b>57</b>	<b>15026.3</b>

STATE : KERALA

YEAR : 2011-12

SEASON : ANNUAL BANANA

CENTRAL SAMPLE

Table 12(i)

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

STATE : KERALA

YEAR : 2011-12

STATE 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	Kasargod	4	4				
	<b>Total</b>	<b>40</b>	<b>40</b>				

Table 12(ii)

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

STATE : KERALA      YEAR : 2011-12      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				
<b>Total</b>		<b>40</b>	<b>40</b>				
			100				
		% to col.3					

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:2011-12				SEASON:ANNUAL CROP:TAPIOCA				STATE SAMPLE						
		No. of expts. Checked at harvest		HY varieties		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Both Hy & Others		
		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	Tyvm	4	0	0	0	0	0	0	2	26250	2	27250	4	26750	2	26250	2	27250	4	26750
2	Kollam	4	0	0	0	0	0	0	2	43625	2	47875	4	45750	2	43625	2	47875	4	45750
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottm	4	0	0	0	0	0	0	0	0	4	54375	4	54375	0	0	4	54375	4	54375
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekrm	4	0	0	0	0	0	0	2	17500	2	29250	4	23375	2	17500	2	29250	4	23375
8	Thrs	4	2	56875	1	12500	3	42083.33	1	13750	0	0	1	13750	3	42500	1	12500	4	35000
9	Pakkd	4	0	0	0	0	0	0	0	0	4	26125	4	26125	0	0	4	26125	4	26125
10	Mlp	4	1	43750	0	0	1	43750	2	8750	1	14500	3	10666.7	3	20416.7	1	14500	4	18937.5
11	Kozhi	4	1	72500	0	0	1	72500	0	0	3	9666.67	3	9666.67	1	72500	3	9666.67	4	25375
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	0	0	0	0	1	28750	3	24583.3	4	25625	1	28750	3	24583.3	4	25625
14	Ksrgd	4	0	0	1	20000	1	20000	1	20000	2	8750	3	12500	1	20000	3	12500	4	14375
	State	40	4	57500	2	16250	6	43750	11	23159	23	28934.8	34	27066.2	15	32316.7	25	27920	40	29568.75

Table 12(iv)

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

Sl.No	District	STATE:KERALA				YEAR: 2011-12				SEASON:ANNUAL TAPIOCA				CENTRAL SAMPLE						
		Irrigated		HY varieties		Irrigated		Other Varieties		Irrigated		Both Hy & Others		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	Tvpm	4	0	0	1	31250	1	31250	2	39375	1	25000	3	34583.3	2	39375	2	28125	4	33750
2	Kollam	4	1	43500	1	24750	2	34125	0	0	2	23750	2	23750	1	43500	3	24083.3	4	28937.5
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottrm	4	0	0	0	0	0	0	0	0	4	28437.5	4	28437.5	0	0	4	28437.5	4	28437.5
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekrm	4	0	0	0	0	0	0	0	0	4	28412.5	4	28412.5	0	0	4	28412.5	4	28412.5
8	Thrs	4	0	0	0	0	0	0	4	14594	0	0	4	14593.8	4	14593.8	0	0	4	14593.75
9	Pakdd	4	0	0	1	53000	1	53000	1	22125	2	28250	3	26208.3	1	22125	3	36500	4	32906.25
10	Mlp	4	0	0	0	0	0	0	2	24375	2	11875	4	18125	2	24375	2	11875	4	18125
11	Kozhi	4	0	0	0	0	0	0	2	9000	2	22500	4	15750	2	9000	2	22500	4	15750
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	0	0	0	0	1	48750	3	35416.7	4	38750	1	48750	3	35416.7	4	38750
14	Ksrgd	4	0	0	1	26875	1	26875	2	67125	1	26250	3	53500	2	67125	2	26562.5	4	46843.75
	State	40	1	43500	4	33968.75	5	35875	14	29214	21	26554.8	35	27618.6	15	30166.7	25	27741	40	28650.63

Table 12(v)

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

Sl.No.	District	STATE : KERALA		YEAR : 2011-12		SEASON : ANNUAL CROP:TAPIOCA		STATE 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(KG/Ha)	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	Yield Rate(KG/Ha)	No.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
1	Thiruvananthapuram	4	26750	0	0	3	3	0	3	28583.333	130	130	0	1	21250			
2	Kollam	4	45750	0	0	0	0	0	0	0	0	0	0	4	45750			
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	54375	0	0	3	3	2	4	54375	128	128	210	0	0			
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
7	Ernakulam	4	23375	0	0	0	0	0	0	0	0	0	0	4	23375			
8	Thrissur	4	35000	0	0	0	1	0	1	13750	0	23	0	3	42083.333			
9	Palakkad	4	26125	0	0	0	0	0	0	0	0	0	0	4	26125			
10	Malappuram	4	18937.5	0	0	1	1	1	1	43750	118	40	168	3	10666.667			
11	Kozhikode	4	25375	0	0	0	0	0	0	0	0	0	0	4	25375			
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
13	Kannur	4	25625	0	0	1	1	1	1	31250	18	18	30	3	23750			
14	Kasaragod	4	14375	0	0	1	1	0	1	20000	50	50	0	3	12500			
	State	40	29568.75	0	0	9	10	4	11	37454.55	88.8	64.83	136	29	26577.59			

Table 12(vi)

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

STATE : KERALA      YEAR : 2011-12      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	1	21250	4	26750	0	0	3	28583.3	0	0	4	26750
2	Kollam	4	45750	4	45750	0	0	0	0	0	0	4	45750
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	4	54375	0	0	4	54375	0	0	4	54375
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	23375	4	23375	0	0	0	0	0	0	4	23375
8	Thrissur	1	12500	2	13125	2	56875	1	13750	2	56875	2	13125
9	Palakkad	1	27500	1	27500	3	25666.67	0	0	3	25666.667	1	27500
10	Malappuram	2	8750	3	20416.667	1	14500	1	43750	1	14500	3	20416.7
11	Kozhikode	4	25375	4	25375	0	0	0	0	0	0	4	25375
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	27500	3	28750	1	16250	1	31250	1	16250	3	28750
14	Kasargod	1	20000	2	20000	2	8750	1	20000	2	8750	2	20000
	<b>State</b>	<b>20</b>	<b>26587.5</b>	<b>31</b>	<b>30443.55</b>	<b>9</b>	<b>26555.56</b>	<b>11</b>	<b>37454.6</b>	<b>9</b>	<b>26555.56</b>	<b>31</b>	<b>30443.6</b>



Table 12(vii)

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

Sl. No	District	STATE : KERALA		YEAR : 2011-12		SEASON : ANNUAL		TAPIOCA		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		Yield Rate		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	4	33750	0	0	2	1	1	2	28125	28.5	10	20	2	39375
2	Kollam	4	28937.5	0	0	2	2	1	2	33625	180	97	91	2	24250
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	28437.5	0	0	2	2	1	2	15000	115	115	114	2	41875
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	28412.5	0	0	3	3	1	3	35000	90	90	148	1	8650
8	Thrissur	4	14593.75	0	0	0	0	0	0	0	0	0	0	4	14593.75
9	Palakkad	4	32906.25	1	22125	1	1	0	1	22125	112	112	0	3	36500
10	Malappuram	4	18125	0	0	1	1	3	4	18125	70	70	335.33	0	0
11	Kozhikode	4	15750	0	0	1	1	0	1	40000	74	74	0	3	7666.667
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	kannur	4	38750	0	0	1	1	0	1	41250	84	84	0	3	37916.667
14	Kasargod	4	46843.75	0	0	0	0	0	0	0	0	0	0	4	46843.75
	<b>Total</b>	<b>40</b>	<b>28650.63</b>	<b>1</b>	<b>22125</b>	<b>13</b>	<b>12</b>	<b>7</b>	<b>16</b>	<b>27148.44</b>	<b>94.19</b>	<b>81.5</b>	<b>141.67</b>	<b>24</b>	<b>29652.08</b>

Table 12(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	
		STATE : KERALA		YEAR : 2011-12		SEASON : ANNUAL TAPIOCA		CENTRAL 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)	No.	Yield Rate (KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	2	28125	2	39375	2	28125	2	39375	2	28125
2	Kollam	2	24250	4	28937.5	0	0	2	39375	0	0	4	28937.5
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	2	41875	4	28437.5	0	0	2	15000	0	0	4	28437.5
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	1	8650	4	28412.5	0	0	3	35000	0	0	4	28412.5
8	Thrissur	3	11541.667	3	11541.667	1	23750	0	0	1	23750	3	11541.7
9	Palakkad	3	36500	3	36500	1	22125	0	0	0	0	4	32906.3
10	Malappuram	0	0	4	18125	0	0	4	18125	0	0	4	18125
11	Kozhikode	3	7666.667	4	15750	0	0	1	40000	0	0	4	15750
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	37916.667	4	38750	0	0	1	41250	0	0	4	38750
14	Kasaragod	1	26250	1	26250	3	53708.33	0	0	3	53708.333	1	26250
	<b>Total</b>	<b>18</b>	<b>24890.28</b>	<b>33</b>	<b>26068.94</b>	<b>7</b>	<b>40821.43</b>	<b>15</b>	<b>27483.3</b>	<b>6</b>	<b>43937.5</b>	<b>34</b>	<b>25952.9</b>



Table 13(ii)

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

Sl.No.	District	SEASON : Annual		CENTRAL SAMPLE				
		YEAR : 2011-12		At post harvest	Lost	Rejected for analysis	For which Schedules are not received	
		Planned	No of experiments 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	Kasargod	4	4					
	<b>Total</b>	<b>40</b>	<b>40</b>					

Table 13(iii)

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

Sl.No	District	STATE:KERALA		YEAR: 2011-12				CROP:PLANTAIN				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			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Typm	4	0	0	0	0	0	0	0	0	4	15633.3	4	15633.3	0	0	4	15633.3	4	15633.33
2	Kollam	4	0	0	0	0	0	0	0	0	4	13436.7	4	13436.7	0	0	4	13436.7	4	13436.67
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottm	4	0	0	0	0	0	0	0	0	4	12383.3	4	12383.3	0	0	4	12383.3	4	12383.33
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekrm	4	0	0	0	0	0	0	4	16842	0	0	4	16841.7	4	16841.7	0	0	4	16841.67
8	Thrs	4	1	23566.7	0	0	1	23566.67	1	19400	2	12566.7	3	14844.4	2	21483.3	2	12566.7	4	17025
9	Pakkd	4	0	0	0	0	0	0	0	0	4	11716.7	4	11716.7	0	0	4	11716.7	4	11716.67
10	Mlp	4	0	0	0	0	0	0	2	15667	2	13100	4	14383.3	2	15666.7	2	13100	4	14383.33
11	Kozhi	4	0	0	0	0	0	0	0	0	4	10133.3	4	10133.3	0	0	4	10133.3	4	10133.33
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	0	0	0	0	0	0	4	13283.3	4	13283.3	0	0	4	13283.3	4	13283.33
14	Ksrfd	4	0	0	0	0	0	0	4	13450	0	0	4	13450	4	13450	0	0	4	13450
<b>State</b>		<b>40</b>	<b>1</b>	<b>23566.7</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>23566.67</b>	<b>11</b>	<b>15627</b>	<b>28</b>	<b>12774.3</b>	<b>39</b>	<b>13579</b>	<b>12</b>	<b>16288.9</b>	<b>28</b>	<b>12774.3</b>	<b>40</b>	<b>13828.67</b>

Table 13(iv)

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

Sl.No	District	STATE:KERALA										YEAR: 2011-12										CROP :PLANTAIN										CENTRAL SAMPLE														
		HY varieties					Other Varieties					Both Hy & Others					Irrigated					Un irrigated					Irrigated					Un irrigated					Irrigated					Un irrigated				
		Irrigated		Un irrigated		Total	Irrigated		Un irrigated		Total	Irrigated		Un irrigated		Total	Irrigated		Un irrigated		Total	Irrigated		Un irrigated		Total	Irrigated		Un irrigated		Total	Irrigated		Un irrigated		Total										
		No. of Expts	Yield Rate Kg/Ha	No. of Expts	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	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	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40							
1	Typm	4	0	0	0	0	0	0	3	23600	1	14400	4	21300	3	23600	1	14400	4	21300	4	20400	4	20400	4	20400	4	20400	4	20400	4	20400	4	20400	4	20400	4	21300	4	21300						
2	Kollam	4	0	0	0	0	0	0	0	0	4	20400	4	20400	0	0	4	20400	4	20400	4	20400	4	20400	4	20400	4	20400	4	20400	4	20400	4	20400	4	20400	4	20400	4	20400						
3	Path	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	0	0	0	0	0	0	0						
4	Alpy	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	0	0	0	0	0	0	0						
5	Kottrm	4	0	0	0	0	0	0	0	0	4	15416.7	4	15416.7	0	0	4	15416.7	4	15416.7	4	15416.7	4	15416.7	4	15416.7	4	15416.7	4	15416.7	4	15416.7	4	15416.7	4	15416.7	4	15416.7	4	15416.7						
6	Idukki	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	0	0	0	0	0	0							
7	EkM	4	0	0	0	0	0	0	3	14278	1	19333.3	4	15541.7	3	14277.8	1	19333.3	4	15541.7	3	14277.8	4	15541.7	4	15541.7	4	15541.7	4	15541.7	4	15541.7	4	15541.7	4	15541.7	4	15541.7	4	15541.7						
8	Thrs	4	0	0	0	0	0	0	3	9304	1	6333.33	4	8561.67	3	9304.44	1	6333.33	4	8561.67	3	9304.44	4	8561.67	4	8561.67	4	8561.67	4	8561.67	4	8561.67	4	8561.67	4	8561.67	4	8561.67	4	8561.67						
9	Pakkd	4	1	22666.7	1	13666.67	2	18166.67	0	0	2	14100	2	14100	1	22666.7	3	13955.6	4	21808.3	3	26955.6	4	21808.3	4	21808.3	4	21808.3	4	21808.3	4	21808.3	4	21808.3	4	21808.3	4	21808.3	4	21808.3						
10	Mlp	4	0	0	0	0	0	0	3	26956	1	6366.67	4	21808.3	3	26955.6	1	6366.67	4	21808.3	3	26955.6	4	21808.3	4	21808.3	4	21808.3	4	21808.3	4	21808.3	4	21808.3	4	21808.3	4	21808.3	4	21808.3						
11	Kozhi	4	0	0	0	0	0	0	1	5553	3	7733.33	4	7188.33	1	5553.33	3	7733.33	4	7188.33	1	5553.33	3	7733.33	4	7188.33	4	7188.33	4	7188.33	4	7188.33	4	7188.33	4	7188.33	4	7188.33	4	7188.33						
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	0	0	0	0	0	0							
13	Kannur	4	0	0	0	0	0	0	1	8933	3	11322.2	4	10725	1	8933.33	3	11322.2	4	10725	1	8933.33	3	11322.2	4	10725	4	10725	4	10725	4	10725	4	10725	4	10725	4	10725	4	10725						
14	Ksrgd	4	0	0	0	0	0	0	0	0	4	12033.3	4	12033.3	0	0	4	12033.3	4	12033.3	0	0	4	12033.3	4	12033.3	4	12033.3	4	12033.3	4	12033.3	4	12033.3	4	12033.3	4	12033.3	4	12033.3						
	State	40	1	22666.7	1	13666.67	2	18166.67	14	16921	24	13466.7	38	14739.5	15	17304.4	25	13474.7	40	14910.83	15	17304.4	25	13474.7	40	14910.83	15	17304.4	25	13474.7	40	14910.83	15	17304.4	25	13474.7	40	14910.83								

Table 13(v)

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

STATE : KERALA      YEAR : 2011-12      SEASON : ANNUAL      CROP:PLANTAIN      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	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	15633.333	0	0	2	1	1	2	20833.333	126	120	120	2	10433.333
2	Kollam	4	13436.667	0	0	0	0	0	0	0	0	0	0	4	13436.667
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	12383.333	0	0	1	1	0	1	15733.333	88	88	0	3	11266.667
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	16941.667	1	16366.7	1	1	1	1	16366.667	119	119	119	3	17000
8	Thrissur	4	17025	0	0	0	0	0	0	0	0	0	0	4	17025
9	Palakkad	4	11716.667	0	0	0	0	0	0	0	0	0	0	4	11716.667
10	Malappuram	4	14383.333	0	0	0	0	0	0	0	0	0	0	4	14383.333
11	Kozhikode	4	10133.333	0	0	1	1	1	1	12666.667	120	120	240	3	9288.889
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	13283.333	0	0	2	1	2	2	15433.333	161	60	270	2	11133.333
14	Kasargod	4	13450	0	0	0	0	0	0	0	0	0	0	4	13450
	<b>Total</b>	<b>40</b>	<b>13828.67</b>	<b>1</b>	<b>16366.7</b>	<b>7</b>	<b>5</b>	<b>5</b>	<b>7</b>	<b>16757.14</b>	<b>122.8</b>	<b>101.4</b>	<b>187.25</b>	<b>33</b>	<b>13207.47</b>

Table 13(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(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	10433.333	4	15633.333	0	0	2	20833.3	0	0	4	15633.3
2	Kollam	4	13436.667	4	13436.667	0	0	0	0	0	0	4	13436.7
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	3	11266.667	4	12383.333	0	0	1	15733.3	0	0	4	12383.3
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	2	14666.667	2	14666.667	2	19016.67	0	0	1	21666.667	3	15233.3
8	Thrissur	3	20033.333	3	20033.333	1	8000	0	0	1	8000	3	20033.3
9	Palakkad	4	11716.667	4	11716.667	0	0	0	0	0	0	4	11716.7
10	Malappuram	4	14383.333	4	14383.333	0	0	0	0	0	0	4	14383.3
11	Kozhikode	2	9000	3	10222.222	1	9866.667	1	12666.7	1	9866.667	3	10222.2
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	11133.333	4	13283.333	0	0	2	15433.3	0	0	4	13283.3
14	Kasargod	2	15616.667	2	15616.667	2	11283.33	0	0	2	11283.333	2	15616.7
	<b>Total</b>	<b>28</b>	<b>13348.1</b>	<b>34</b>	<b>13961.18</b>	<b>6</b>	<b>13077.78</b>	<b>6</b>	<b>16822.2</b>	<b>5</b>	<b>12420</b>	<b>35</b>	<b>14029.9</b>



Table 13(vii)

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

STATE : KERALA      YEAR : 2011-12      SEASON : ANNUAL      CROP:PLANTAIN      CENTRAL 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		Yield Rate (KG/Ha)		Exclusive Total		Yield Rate (KG/Ha)		Rate of application		Yield Rate (KG/Ha)	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	N	P	K	Yield Rate (KG/Ha)	Exclusive Total	Yield Rate (KG/Ha)	N	P	K	No.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	21300	0	0	1	2	1	2	17333.333	138	202.5	267	2	25266.667
2	Kollam	4	20400	0	0	2	2	0	2	13966.667	358	358	0	2	26833.333
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	15416.667	0	0	0	0	0	0	0	0	0	0	4	15416.667
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	15541.667	0	0	2	2	1	2	15700	1.6	1.6	1	2	15383.333
8	Thrissur	4	8561.667	0	0	0	0	0	0	0	0	0	0	4	8561.667
9	Palakkad	4	16133.333	1	22666.7	1	2	1	2	18166.667	41	13.5	27	2	14100
10	Malappuram	4	21808.333	0	0	0	0	0	0	0	0	0	0	4	21808.333
11	Kozhikode	4	7188.333	0	0	0	0	0	0	0	0	0	0	4	7188.333
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	10725	0	0	1	1	0	1	18466.667	84	84	0	3	8144.444
14	Kasaragod	4	12033.333	0	0	0	0	0	0	0	0	0	0	4	12033.333
	<b>Total</b>	<b>40</b>	<b>14910.83</b>	<b>1</b>	<b>22666.7</b>	<b>7</b>	<b>9</b>	<b>3</b>	<b>9</b>	<b>16533.33</b>	<b>124.52</b>	<b>131.92</b>	<b>98.33</b>	<b>31</b>	<b>14439.78</b>

Table 13(viii)

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

STATE : KERALA YEAR : 2011-12 SEASON : ANNUAL(PLANTAIN) 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	30533.333	3	21733.333	1	20000	2	17333.3	1	20000	3	21733.3
2	Kollam	2	26833.333	4	20400	0	0	2	13866.7	0	0	4	20400
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	14700	1	14700	3	15655.56	0	0	3	15655.556	1	14700
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	2	15383.333	4	15541.667	0	0	2	15700	0	0	4	15541.7
8	Thrissur	3	9733.333	3	9733.333	1	5046.667	0	0	1	5046.667	3	9733.33
9	Palakkad	2	14100	3	13955.556	1	22666.67	1	13866.7	0	0	4	16133.3
10	Malappuram	2	30633.333	2	30633.333	2	12983.33	0	0	2	12983.333	2	30633.3
11	Kozhikode	2	9100	2	9100	2	5276.667	0	0	2	5276.667	2	9100
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	8933.333	2	13700	2	7750	1	18466.7	2	7750	2	13700
14	Kasargod	4	12033.333	4	12033.333	0	0	0	0	0	0	4	12033.3
	<b>Total</b>	<b>20</b>	<b>16180</b>	<b>28</b>	<b>16061.9</b>	<b>12</b>	<b>12225</b>	<b>8</b>	<b>15766.7</b>	<b>11</b>	<b>11275.76</b>	<b>29</b>	<b>16289.7</b>

Table 14(i)

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

STATE : KERALA

YEAR : 2011-12

STATE 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	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				
<b>Total</b>		<b>40</b>	<b>40</b>				
% to col.3			100				

Table 14(ii)

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

Sl.No.	District	SEASON : Annual		YEAR : 2011-12		CENTRAL SAMPLE			
		Planned	No of experiments Checked at harvest	At post harvest	Lost	Rejected for analysis	For which Schedules are not received	CROP : Pepper	
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	Kasargod	4	4						
	<b>Total</b>	<b>40</b>	<b>40</b>						

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: 2011-12				CROP: PEPPER				STATE SAMPLE						
		HY varieties		Total		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated				
		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	No. of Expts	Yield Rate Kg/Ha			
		No. of expts. Checked at harvest																		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	0	0	0	0	0	0	0	0	4	584.41	4	584.41	0	0	4	584.41	4	584.41
2	Kollam	4	0	0	0	0	0	0	0	0	4	412.64	4	412.64	0	0	4	412.64	4	412.64
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottm	4	0	0	0	0	0	0	0	0	4	411.91	4	411.91	0	0	4	411.91	4	411.91
6	Idukki	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	3	224	1	216.31	4	221.81	3	223.64	1	216.31	4	221.81
8	Thrs	4	1	545.55	0	0	1	545.55	1	387	2	753.06	3	631.09	2	466.35	2	753.06	4	609.71
9	Pakkd	4	1	315.3	2	157.28	3	209.96	0	0	1	299.17	1	299.17	1	315.3	3	204.58	4	232.26
10	Mlp	4	0	0	0	0	0	0	0	0	4	179.47	4	179.47	0	0	4	179.47	4	179.47
11	Kozhi	4	0	0	0	0	0	0	0	0	4	152.33	4	152.33	0	0	4	152.33	4	152.33
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	0	0	0	0	0	0	4	186.61	4	186.61	0	0	4	186.61	4	186.61
14	Ksrgd	4	0	0	1	901.91	1	901.91	2	1949	1	747.93	3	1548.4	2	1948.64	2	824.92	4	1386.78
	State	40	2	430.42	3	405.49	5	415.47	6	826	29	361.35	35	440.98	8	727.03	32	365.48	40	437.79

Table 14(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: 2011-12						SEASON:ANNUAL PEPPER						CENTRAL SAMPLE					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		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		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21						
1	Tvpm	4	0	0	0	0	0	0	0	0	4	145.74	4	145.74	0	0	4	145.74	4	145.74	4	145.74	4	145.74		
2	Kollam	4	0	0	0	0	0	0	0	0	4	373.96	4	373.96	0	0	4	373.96	4	373.96	4	373.96	4	373.96		
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
5	Kottrm	4	0	0	0	0	0	0	0	0	4	281.39	4	281.39	0	0	4	281.39	4	281.39	4	281.39	4	281.39		
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7	Ekm	4	1	256.64	0	0	1	256.64	0	0	3	487.13	3	487.13	1	256.64	3	487.13	4	429.51	4	429.51	4	429.51		
8	Thrs	4	0	0	1	1096.22	1	1096.22	1	1832	2	193.95	3	740.1	1	1832.42	3	494.71	4	829.13	4	829.13	4	829.13		
9	Pakkd	4	0	0	0	0	0	0	2	446	2	370.66	4	408.24	2	445.82	2	370.66	4	408.24	4	408.24	4	408.24		
10	Mlp	4	0	0	0	0	0	0	1	973	3	325.32	4	487.25	1	973.04	3	325.32	4	487.25	4	487.25	4	487.25		
11	Kozhi	4	0	0	1	226.58	1	226.58	1	504	2	174.08	3	284.04	1	503.97	3	191.58	4	269.67	4	269.67	4	269.67		
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		
13	Kannur	4	0	0	2	602.74	2	602.74	0	0	2	482.85	2	482.85	0	0	4	542.8	4	542.8	4	542.8	4	542.8		
14	Ksrgd	4	0	0	2	996.13	2	996.13	2	680	0	0	2	679.73	2	679.73	2	996.13	4	837.93	4	837.93	4	837.93		
	State	40	1	256.64	6	753.42	7	682.46	7	794	26	310.95	33	413.49	8	727.15	32	393.92	40	460.56	40	460.56	40	460.56		

Table 14(v)

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

STATE : KERALA      YEAR : 2011-12      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		
		Yield Rate(KG/Ha)		No.	Yield Rate(KG/Ha)		No.	No. of Experiments			Rate of application			Yield Rate(KG/Ha)	No.
		No.	Rate(KG/Ha)	No.	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	584.408	0	0	0	0	0	0	0	0	0	0	4	584.408
2	Kollam	4	412.642	0	0	0	0	0	0	0	0	0	0	4	412.642
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	411.909	0	0	0	0	0	0	0	0	0	0	4	411.909
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	221.811	0	0	0	0	0	0	0	0	0	0	4	221.811
8	Thrissur	4	609.706	0	0	0	0	0	0	0	0	0	0	4	609.706
9	Palakkad	4	232.26	0	0	0	0	0	0	0	0	0	0	4	232.26
10	Malappuram	4	179.465	0	0	0	0	0	0	0	0	0	0	4	179.465
11	Kozhikode	4	152.335	0	0	0	0	0	0	0	0	0	0	4	152.335
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	186.615	0	0	0	0	0	0	0	0	0	0	4	186.615
14	Kasargod	4	1386.78	0	0	0	0	0	0	0	0	0	0	4	1386.778
	State	40	437.79	0	0	0	0	0	0	0	0	0	0	40	437.79

Table 14(vi)

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

Sl.No.	District	STATE : KERALA			YEAR : 2011-12			SEASON : ANNUAL			CROP:PEPPER			STATE SAMPLE					
		No.	Yield Rate(KG/Ha)	Experiments Treated with Manure Only	No.	Yield Rate (KG/Ha)	Experiments Treated With Manure	No.	Yield Rate(KG/Ha)	Experiments Not Treated With Manures	No.	Yield Rate(KG/Ha)	Experiments Treated (both) With Fertilizers & Manure	No.	Yield Rate(KG/Ha)	Experiments Not Treated With Fertilizers & Manure	No.	Yield Rate(KG/Ha)	Experiments Treated With Fertilizers or Manure or Both
1	2	17	18	19	20	21	22	23	24	25	26	27	28						
1	Thiruvananthapuram	2	768.09	2	768.09	2	400.727	0	0	2	400.727	2	768.09						
2	Kollam	1	494.217	1	494.217	3	385.45	0	0	0	0	1	494.217						
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	468.187	2	468.187	2	355.631	0	0	2	355.631	2	468.187						
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0						
7	Ernakulam	2	234.643	2	234.643	2	208.979	0	0	2	208.979	2	234.643						
8	Thrissur	0	0	0	0	4	609.706	0	0	4	609.706	0	0						
9	Palakkad	0	0	0	0	4	232.26	0	0	4	232.26	0	0						
10	Malappuram	1	53.528	1	53.528	3	221.445	0	0	3	221.445	1	53.528						
11	Kozhikode	0	0	0	0	4	152.335	0	0	4	152.335	0	0						
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0						
13	Kannur	0	0	0	0	4	186.615	0	0	4	186.615	0	0						
14	Kasargod	0	0	0	0	4	1386.778	0	0	4	1386.778	0	0						
	State	8	436.2	8	436.2	32	438.19	0	0	32	438.19	8	436.2						



Table 14(vii)

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

STATE : KERALA      YEAR : 2011-12      SEASON : ANNUAL PEPPER      CENTRAL SAMPLE

S.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	145.735	0	0	0	0	0	0	0	0	0	0	4	145.735
2	Kollam	4	373.963	0	0	0	0	0	0	0	0	0	0	4	373.963
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	281.389	0	0	0	0	0	0	0	0	0	0	4	281.389
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	429.507	0	0	0	0	0	0	0	0	0	0	4	429.507
8	Thrissur	4	829.134	0	0	0	0	0	0	0	0	0	0	4	829.134
9	Palakkad	4	408.243	0	0	0	0	0	0	0	0	0	0	4	408.243
10	Malappuram	4	487.251	0	0	0	0	0	0	0	0	0	0	4	487.251
11	Kozhikode	4	269.675	0	0	0	0	0	0	0	0	0	0	4	269.675
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	542.796	0	0	0	0	0	0	0	0	0	0	4	542.796
14	Kasaragod	4	837.933	0	0	1	1	1	1	1305.936	51	51	51	3	681.932
	<b>Total</b>	<b>40</b>	<b>460.56</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1305.94</b>	<b>51</b>	<b>51</b>	<b>51</b>	<b>39</b>	<b>438.89</b>

Table 14(viii)

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

Sl.No.	District	STATE : KERALA			YEAR : 2011-12			SEASON : ANNUAL PEPPER			CENTRAL SAMPLE						
		No.	Yield Rate(KG/Ha)	Experiments Treated with Manure Only	No.	Yield Rate (KG/Ha)	Experiments Treated with Manure	No.	Yield Rate(KG/Ha)	Experiments Not Treated With Manures	No.	Yield Rate(KG/Ha)	Experiments Treated (both) With Fertilizers & Manure	No.	Yield Rate(KG/Ha)	Experiments Not Treated With Fertilizers & Manure	No.
1	2	17	18	19	20	21	22	23	24	25	26	27	28				
1	Thiruvananthapuram	3	155.207	3	155.207	1	117.322	0	0	1	117.322	3	155.207				
2	Kollam	0	0	0	0	4	373.963	0	0	4	373.963	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	281.389	0	0	4	281.389	0	0				
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0				
7	Ernakulam	0	0	0	0	4	429.507	0	0	4	429.507	0	0				
8	Thrissur	1	1832.417	1	1832.417	3	494.706	0	0	3	494.706	1	1832.42				
9	Palakkad	2	483.218	2	483.218	2	333.267	0	0	2	333.267	2	483.218				
10	Malappuram	0	0	0	0	4	487.251	0	0	4	487.251	0	0				
11	Kozhikode	2	174.076	2	174.076	2	365.273	0	0	2	365.273	2	174.076				
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0				
13	Kannur	0	0	0	0	4	542.796	0	0	4	542.796	0	0				
14	Kasargod	3	681.932	4	837.933	0	0	1	1305.94	0	0	4	837.933				
	<b>Total</b>	<b>11</b>	<b>514.4</b>	<b>12</b>	<b>580.36</b>	<b>28</b>	<b>409.22</b>	<b>1</b>	<b>1305.94</b>	<b>28</b>	<b>409.22</b>	<b>12</b>	<b>580.36</b>				

Table 15(i)

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

STATE : KERALA      YEAR : 2011-12      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	Kasargod	4	4				
	Total	40	40				
	% to col.3		100				

Table 15(iii)

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

STATE : KERALA

YEAR : 2011-12

CENTRAL 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	Kasargod	4	4				
Total		40	40				
% to col.3			100				

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 :2011-12				CROP: ARECANUT				STATE SAMPLE						
		HY varieties		Other Varieties		Irrigated		Un irrigated		Irrigated		Un irrigated		Both Hy & Others		Un irrigated		Total		
		No. of expts. checked at harvest	Experiments	Yield Rate Kg/Ha	No. of 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	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	Tvpm	4	0	0	0	0	0	0	0	0	4	891.69	4	891.69	0	0	4	891.69	4	891.69
2	Kollam	4	0	0	0	0	0	0	0	0	4	843.4	4	843.4	0	0	4	843.4	4	843.4
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	kottm	4	0	0	0	0	0	0	0	0	4	1054.73	4	1054.73	0	0	4	1054.73	4	1054.73
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekrm	4	0	0	0	0	0	0	2	1209	2	457.27	4	833.37	2	1209.47	2	457.27	4	833.37
8	Thrs	4	1	1696.86	0	0	1	1696.86	3	1321	0	0	3	1320.77	4	1414.8	0	0	4	1414.8
9	Pakkd	4	0	0	0	0	0	0	0	0	4	1338.12	4	1338.12	0	0	4	1338.12	4	1338.12
10	Mlp	4	0	0	0	0	0	0	3	1397	1	2316.35	4	1626.57	3	1396.64	1	2316.35	4	1626.57
11	Kozhi	4	0	0	0	0	0	0	0	0	4	995.76	4	995.76	0	0	4	995.76	4	995.76
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	0	0	0	0	1	1781	3	626.6	4	915.12	1	1780.66	3	626.6	4	915.12
14	Ksrgd	4	0	0	0	0	0	0	2	1880	2	910.71	4	1395.12	2	1879.53	2	910.71	4	1395.12
<b>State</b>		<b>40</b>	<b>1</b>	<b>1696.86</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1696.86</b>	<b>11</b>	<b>1465</b>	<b>28</b>	<b>979.53</b>	<b>39</b>	<b>1116.35</b>	<b>12</b>	<b>1483.98</b>	<b>28</b>	<b>979.53</b>	<b>40</b>	<b>1130.87</b>

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 : 2011-12										CROP: ARECANUT				STATE SAMPLE			
		No. of expts. Checked at harvest		HY varieties				Other Varieties				Both Hy & Others				Total					
		Irrigated Experiments	Yield Rate Kg/Ha	Un irrigated Experiments	Yield Rate Kg/Ha	Total Experiments	Total Yield Rate Kg/Ha	Irrigated Experiments	Yield Rate Kg/Ha	Un irrigated Experiments	Yield Rate Kg/Ha	total Experiments	total Yield Rate Kg/Ha	Irrigated Experiments	Yield Rate Kg/Ha	Un irrigated Experiments	Yield Rate Kg/Ha	Irrigated Experiments	Yield Rate Kg/Ha	Un irrigated 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	Tyvm	4	0	0	0	0	0	0	0	0	4	902.26	4	902.26	0	0	4	902.26	4	902.26	
2	Kollam	4	0	0	0	0	0	0	0	0	4	703.09	4	703.09	0	0	4	703.09	4	703.09	
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Kottrm	4	0	0	0	0	0	0	0	0	4	936.16	4	936.16	0	0	4	936.16	4	936.16	
6	Idukki	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	1225	2	1221.07	4	1222.87	2	1224.67	2	1221.07	4	1222.87	
8	Thrs	4	0	0	0	0	0	0	3	829	1	761.21	4	812.24	3	829.25	1	761.21	4	812.24	
9	Pakkd	4	1	2086.39	1	1363.01	2	1724.7	2	876	0	0	2	875.72	3	1279.28	1	1363.01	4	1300.21	
10	Mlp	4	0	0	0	0	0	0	1	1701	3	402.99	4	727.51	1	1701.08	3	402.99	4	727.51	
11	Kozhi	4	0	0	0	0	0	0	0	0	4	1328.85	4	1328.85	0	0	4	1328.85	4	1328.85	
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	1	2276.35	1	3003.36	2	2639.86	0	0	2	1813.54	2	1813.54	1	2276.35	3	2210.14	4	2226.7	
14	Ksrtd	4	0	0	0	0	0	0	4	1147	0	0	4	1147.19	4	1147.19	0	0	4	1147.19	
<b>State</b>		<b>40</b>	<b>2</b>	<b>2181.37</b>	<b>2</b>	<b>2183.19</b>	<b>4</b>	<b>2182.28</b>	<b>12</b>	<b>1082</b>	<b>24</b>	<b>980.03</b>	<b>36</b>	<b>1013.87</b>	<b>14</b>	<b>1238.65</b>	<b>26</b>	<b>1072.58</b>	<b>40</b>	<b>1130.71</b>	

Table 15(v)

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

Sl.No.	District	STATE : KERALA		YEAR : 2011-12		SEASON : ANNUAL		CROP:ARECANUT		STATE 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(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	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	891.694	0	0	0	0	0	0	0	0	0	0	4	891.694				
2	Kollam	4	843.397	0	0	0	0	0	0	0	0	0	0	4	843.397				
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	1054.726	0	0	0	0	0	0	0	0	0	0	4	1054.726				
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
7	Ernakulam	4	833.371	0	0	0	0	0	0	0	0	0	0	4	833.371				
8	Thrissur	4	1414.795	0	0	0	0	0	0	0	0	0	0	4	1414.795				
9	Palakkad	4	1338.118	0	0	0	0	0	0	0	0	0	0	4	1338.118				
10	Malappuram	4	1626.569	0	0	0	0	0	0	0	0	0	0	4	1626.569				
11	Kozhikode	4	995.761	0	0	0	0	0	0	0	0	0	0	4	995.761				
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
13	Kannur	4	915.117	0	0	0	0	0	0	0	0	0	0	4	915.117				
14	Kasaragod	4	1395.121	0	0	2	2	2	2	1879.531	4.05	4.05	4.05	2	910.712				
	<b>State</b>	<b>40</b>	<b>1130.87</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1879.53</b>	<b>4.05</b>	<b>4.05</b>	<b>4.05</b>	<b>38</b>	<b>1091.46</b>				

Table 15(vi)

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

STATE : KERALA      YEAR : 2011-12      SEASON : ANNUAL CROP: ARECANUT      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(KG/Ha)	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	2	782.874	2	782.874	2	1000.515	0	0	2	1000.515	2	782.874
2	Kollam	1	1380.415	1	1380.415	3	664.391	0	0	3	664.391	1	1380.415
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	1050.266	1	1050.266	3	1056.212	0	0	3	1056.212	1	1050.266
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	0	0	4	833.371	0	0	4	833.371	0	0
8	Thrissur	3	1625.224	3	1625.224	1	783.51	0	0	1	783.51	3	1625.224
9	Palakkad	0	0	0	0	4	1338.118	0	0	4	1338.118	0	0
10	Malappuram	4	1626.569	4	1626.569	0	0	0	0	0	0	4	1626.569
11	Kozhikode	2	754.348	2	754.348	2	1237.173	0	0	2	1237.173	2	754.348
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	1780.659	1	1780.659	3	626.603	0	0	3	626.603	1	1780.659
14	Kasaragod	0	0	2	1879.531	2	910.712	2	1879.53	2	910.712	2	1879.531
	State	14	1333.41	16	1401.67	24	950.33	2	1879.53	24	950.33	16	1401.67



Table 15(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		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	902.26	0	0	0	0	0	0	0	0	0	0	4	902.26
2	Kollam	4	703.091	0	0	0	0	0	0	0	0	0	0	4	703.091
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	936.16	0	0	0	0	0	0	0	0	0	0	4	936.16
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	1222.866	1	1373.548	2	2	1	2	1291.904	87.5	87.5	215	2	1153.828
8	Thrissur	4	812.242	0	0	0	0	0	0	0	0	0	0	4	812.242
9	Palakkad	4	1300.212	0	0	0	0	0	0	0	0	0	0	4	1300.212
10	Malappuram	4	727.51	0	0	0	0	1	1	1701.075	0	0	650	3	402.989
11	Kozhikode	4	1328.848	0	0	0	0	0	0	0	0	0	0	4	1328.848
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	2226.696	0	0	0	0	0	0	0	0	0	0	4	2226.696
14	Kasaragod	4	1147.189	0	0	0	0	1	1	1136.191	0	0	246	3	1150.854
	<b>Total</b>	<b>40</b>	<b>1130.71</b>	<b>1</b>	<b>1373.55</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1355.27</b>	<b>87.5</b>	<b>87.5</b>	<b>370.3</b>	<b>36</b>	<b>1105.76</b>

Table 15(viii)

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

Sl.No.	District	STATE : KERALA		YEAR : 2011-12		SEASON : ANNUAL		CROP : ARECANUT		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			
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield(KG/Ha) Rate	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	902.26	4	902.26	0	0	0	0	0	0	4	902.26
2	Kollam	0	0	0	0	4	703.091	0	0	4	703.091	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	936.16	0	0	4	936.16	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	1	1210.259	3	1227.068	1	1210.26	2	1153.828	2	1291.904
8	Thrissur	2	707.185	2	707.185	2	917.3	0	0	2	917.3	2	707.185
9	Palakkad	4	1300.212	4	1300.212	0	0	0	0	0	0	4	1300.212
10	Malappuram	0	0	1	1701.075	3	402.989	1	1701.08	3	402.989	1	1701.075
11	Kozhikode	1	1049.907	1	1049.907	3	1421.829	0	0	3	1421.829	1	1049.907
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	2226.696	4	2226.696	0	0	0	0	0	0	4	2226.696
14	Kasaragod	3	1150.854	4	1147.189	0	0	1	1136.19	0	0	4	1147.189
	<b>Total</b>	<b>18</b>	<b>1312.97</b>	<b>21</b>	<b>1318.14</b>	<b>19</b>	<b>923.54</b>	<b>3</b>	<b>1349.18</b>	<b>18</b>	<b>898.54</b>	<b>22</b>	<b>1320.66</b>

Table 16(i)

State Wise Position of Supply and Use of Equipments

Year : 2011-12

State : Kerala

Crop	AGENCY	Item of equipment	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					Total			
			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				
	Standard	Non standard				Standard	Non standard				Standard	Non standard				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
		Tape	88	5	0	0	0	0	93	3	0	0	0	3	0	96
		Balance	53	33	0	0	0	0	86	10	0	0	0	10	0	96
Paddy (Autumn)	C	Weight	49	32	0	0	2	83	13	0	0	0	13	0	96	
		Pegs	17	23	13	0	2	55	41	0	0	0	41	0	96	
		Tape	100	0	0	0	0	100	0	0	0	0	0	0	100	
S	S	Balance	98	2	0	0	0	100	0	0	0	0	0	0	100	
		Weight	98	2	0	0	0	100	0	0	0	0	0	0	100	
		Pegs	98	2	0	0	0	100	0	0	0	0	0	0	100	
Paddy (Winter)	C	Tape	90	6	1	0	0	97	0	0	0	0	0	0	97	
		Balance	37	46	0	0	0	83	14	0	0	0	14	0	97	
		Weight	35	48	0	0	0	83	12	0	0	2	14	0	97	
S	S	Pegs	17	36	7	0	0	60	35	2	0	0	37	0	97	
		Tape	100	0	0	0	0	100	0	0	0	0	0	0	100	
		Balance	96	0	0	0	0	96	4	0	0	0	4	0	100	
Paddy (Summer)	C	Weight	96	0	0	0	0	96	4	0	0	0	4	0	100	
		Pegs	96	0	0	0	0	96	4	0	0	0	4	0	100	
		Tape	93	6	0	0	0	99	0	0	0	0	0	0	99	
S	S	Balance	51	30	0	0	0	81	18	0	0	0	18	0	99	
		Weight	45	36	0	0	0	81	16	0	0	2	18	0	99	
		Pegs	16	31	12	0	0	59	33	6	0	0	39	0	98	
S	S	Tape	91	2	0	0	0	93	0	0	0	0	0	0	93	
		Balance	91	2	0	0	0	93	0	0	0	0	0	0	93	
		Weight	91	2	0	0	0	93	0	0	0	0	0	0	93	
S	S	Pegs	91	2	0	0	0	93	0	0	0	0	0	0	93	
		Tape	91	2	0	0	0	93	0	0	0	0	0	0	93	
		Balance	91	2	0	0	0	93	0	0	0	0	0	0	93	

Table 16(ii)

## State Wise Position of Supply and Use of Equipments

State : Kerala

Year : 2011-12

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	5	6	7	8	Standard	Non standard	9	10	11	12	13	14		
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
		Tape	35	1	0	0	3	39	1	0	0	0	1	0	40	
	C	Balance	22	13	0	0	0	35	5	0	0	0	5	0	40	
		Weight	22	13	0	0	0	35	5	0	0	0	5	0	40	
		Pegs	10	10	3	0	2	25	11	1	1	2	15	0	40	
		Tape	39	0	0	0	1	40	0	0	0	0	0	0	40	
	S	Balance	37	0	0	0	0	37	3	0	0	0	3	0	40	
		Weight	37	0	0	0	0	37	3	0	0	0	3	0	40	
		Pegs	21	0	0	0	19	40	0	0	0	0	0	0	40	
		Tape	0	1	0	0	45	46	0	0	0	13	13	0	59	
	C	Balance	25	28	0	0	0	53	7	0	0	0	7	0	60	
		Weight	27	24	0	0	2	53	6	0	0	1	7	0	60	
		Pegs	0	0	0	0	39	39	0	0	0	20	20	0	59	
		Tape	0	0	0	0	60	60	0	0	0	0	0	0	60	
	S	Balance	60	0	0	0	0	60	0	0	0	0	0	0	60	
		Weight	60	0	0	0	0	60	0	0	0	0	0	0	60	
		Pegs	0	0	0	0	60	60	0	0	0	0	0	0	60	
		Tape	0	0	0	0	34	34	0	0	0	6	6	0	40	
	C	Balance	17	16	2	0	0	35	5	0	0	0	5	0	40	
		Weight	17	14	2	0	2	35	5	0	0	0	5	0	40	
		Pegs	0	0	0	0	33	33	0	0	0	7	7	0	40	
		Tape	0	0	0	0	40	40	0	0	0	0	0	0	40	
	S	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	
		Pegs	2	0	0	0	38	40	0	0	0	0	0	0	40	

## State Wise Position of Supply and Use of Equipments

Year : 2011-12

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						
3	4	5	6	7	8	9	10	11	12	13	14	15							
1		2																	
		Tape	2	0	0	0	30	32	0	0	0	8	0	0	40				
		Balance	22	12	0	0	0	34	6	0	0	0	0	0	40				
		Weight	22	12	0	0	0	34	4	0	0	2	6	0	40				
Pepper		Pegs	0	2	0	0	28	30	2	0	2	6	10	0	40				
		Tape	0	0	0	0	40	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				
		Pegs	0	0	0	0	40	40	0	0	0	0	0	0	40				
		Tape	2	0	0	0	36	38	0	0	0	2	2	0	40				
		Balance	32	6	0	0	0	38	2	0	0	0	2	0	40				
		Weight	32	4	0	0	2	38	0	0	0	2	2	0	40				
Arecanut		Pegs	4	0	0	0	34	38	0	0	0	2	2	0	40				
		Tape	0	0	0	0	40	40	0	0	0	0	0	0	40				
		Balance	38	0	0	0	0	38	2	0	0	0	2	0	40				
		Weight	38	0	0	0	0	38	2	0	0	0	2	0	40				
		Pegs	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 2011-12

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	2604	4281.26	2545.41	2535	4234.3	3695.18	2393	3479.44	3808.8
2	Kollam	2252	4301.27	4116.23	2295	4310.37	3822.61	1542	0	2587.04
3	Pathanamthitta	2133	3285.3	2377.26	2905	4123.44	4230.16	3292	4141.41	2457
4	Alappuzha	3063	2229.52	3446.58	3105	1835.82	4180.04	3096	3471.29	5154.68
5	Kottayam	2854	4049.5	3945.67	2687	3684.59	3743.74	3109	4098.14	5527.36
6	Idukki	2408	4705.64	4192.4	2507	3566.3	3872.2	2379	4415.18	4100.28
7	Eranakulam	2070	2493.78	3746.46	2197	3879.03	2702.58	2181	2275.62	2277
8	Thrissur	2124	3186.46	2656.47	2659	4248.24	3805.56	3631	5560.28	3728.93
9	Palakkad	2439	3385.99	2907.76	2858	3163.31	3651.42	2920	4247.04	4268.54
10	Malappuram	2072	1792.3	2427.92	2167	3441.53	3362.57	3609	4748.54	5465.47
11	Kozhikode	1569	1836.99	2480.16	1267	2277.46	1558.48	2288	3465.64	3559.61
12	Wayanad		0	0	2608	3514.47	4032.48	2657	3473	4366.32
13	Kannur	2024	3374.88	3081.18	2199	3566.75	3711.44	2073	3507.3	4246.2
14	Kasargod	2351	3176.26	2419.24	1953	3650.56	3363.5	2603	2666	4298.46
	<b>State</b>	<b>2519</b>	<b>3094.93</b>	<b>3016.72</b>	<b>2676</b>	<b>3532.65</b>	<b>3498.14</b>	<b>3155</b>	<b>3888.41</b>	<b>4064.21</b>



Chart -1  
Trend of Yield Rates Under ICS and CES  
Autumn Rice Yield Rate 2011-12

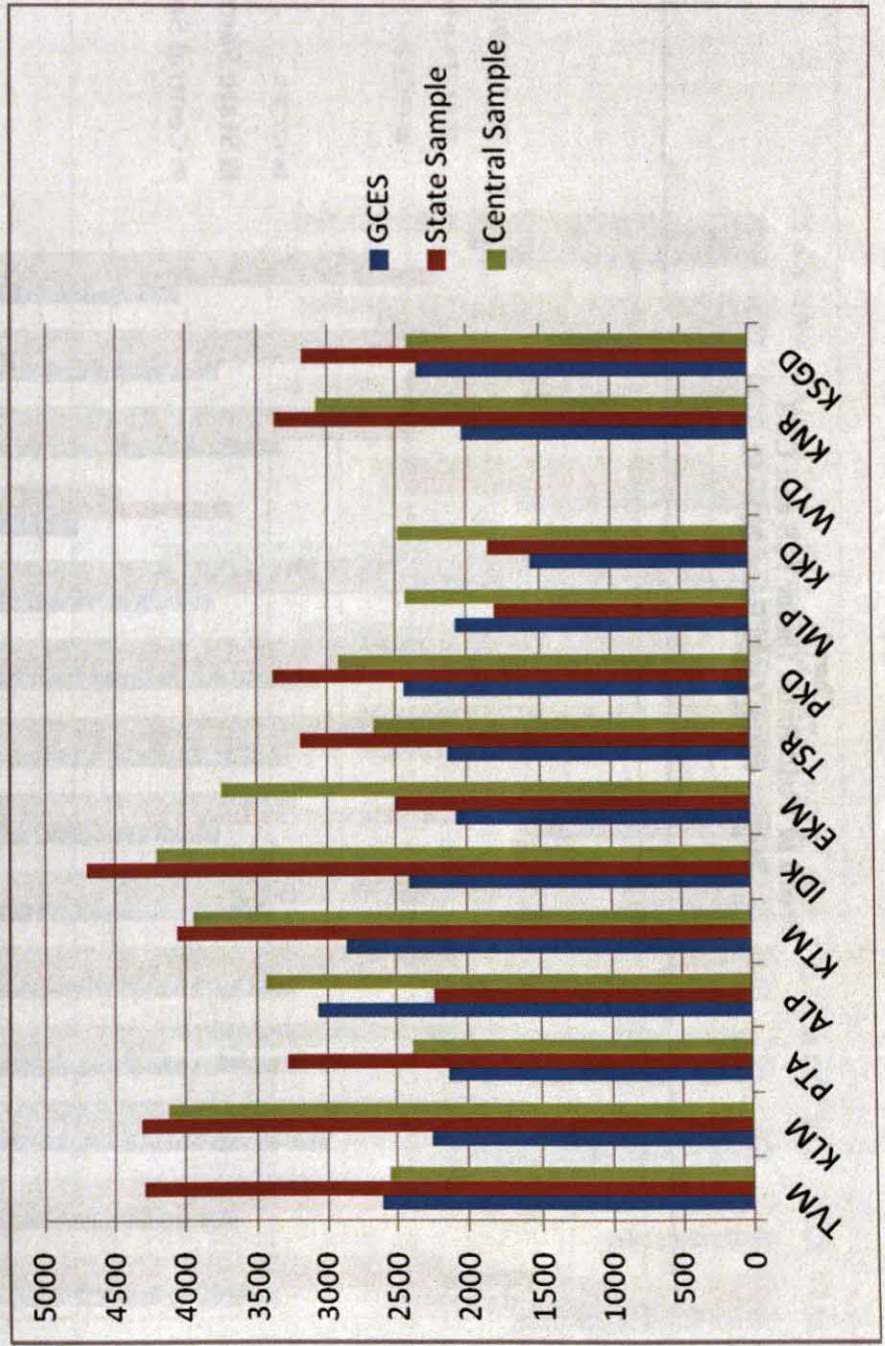
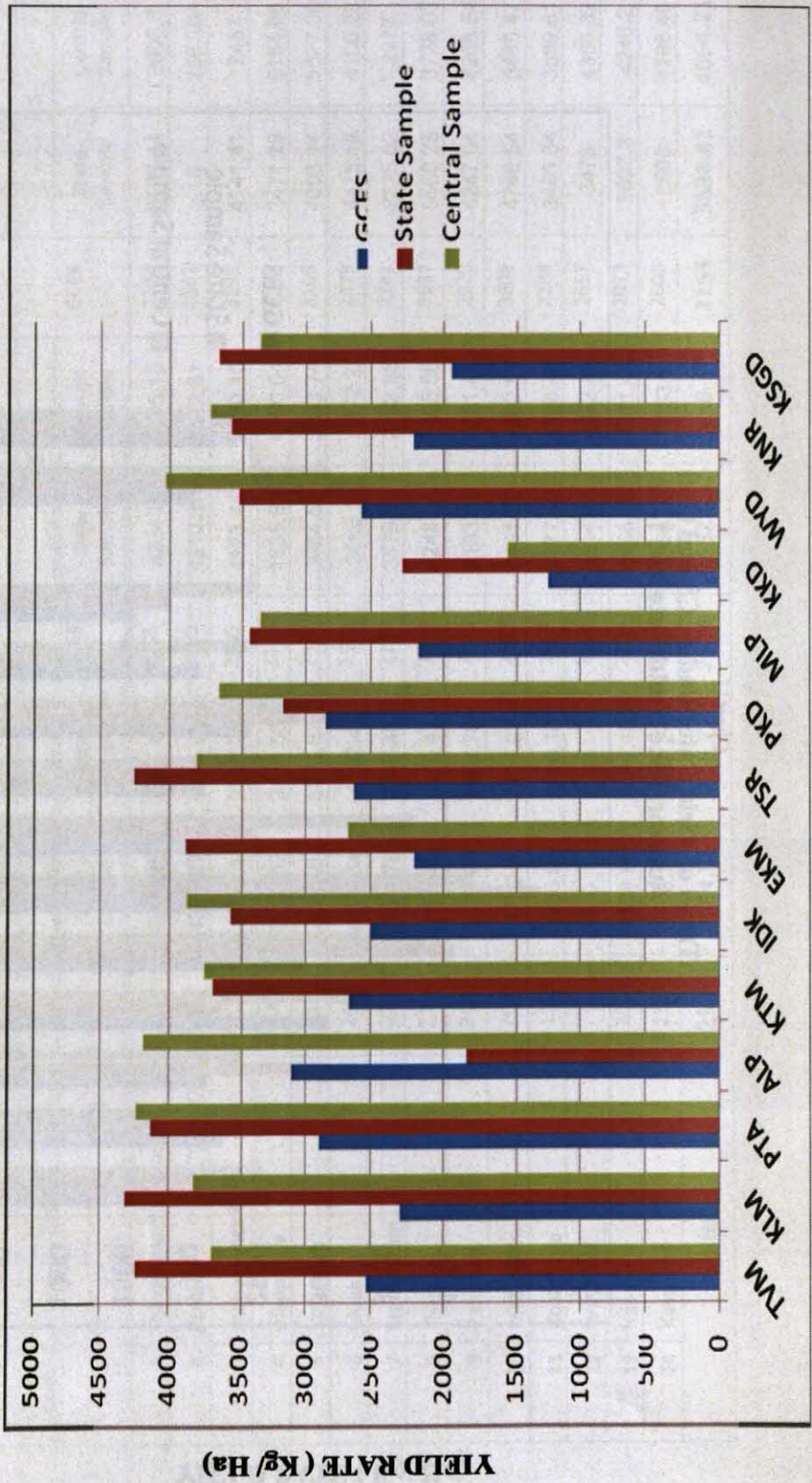




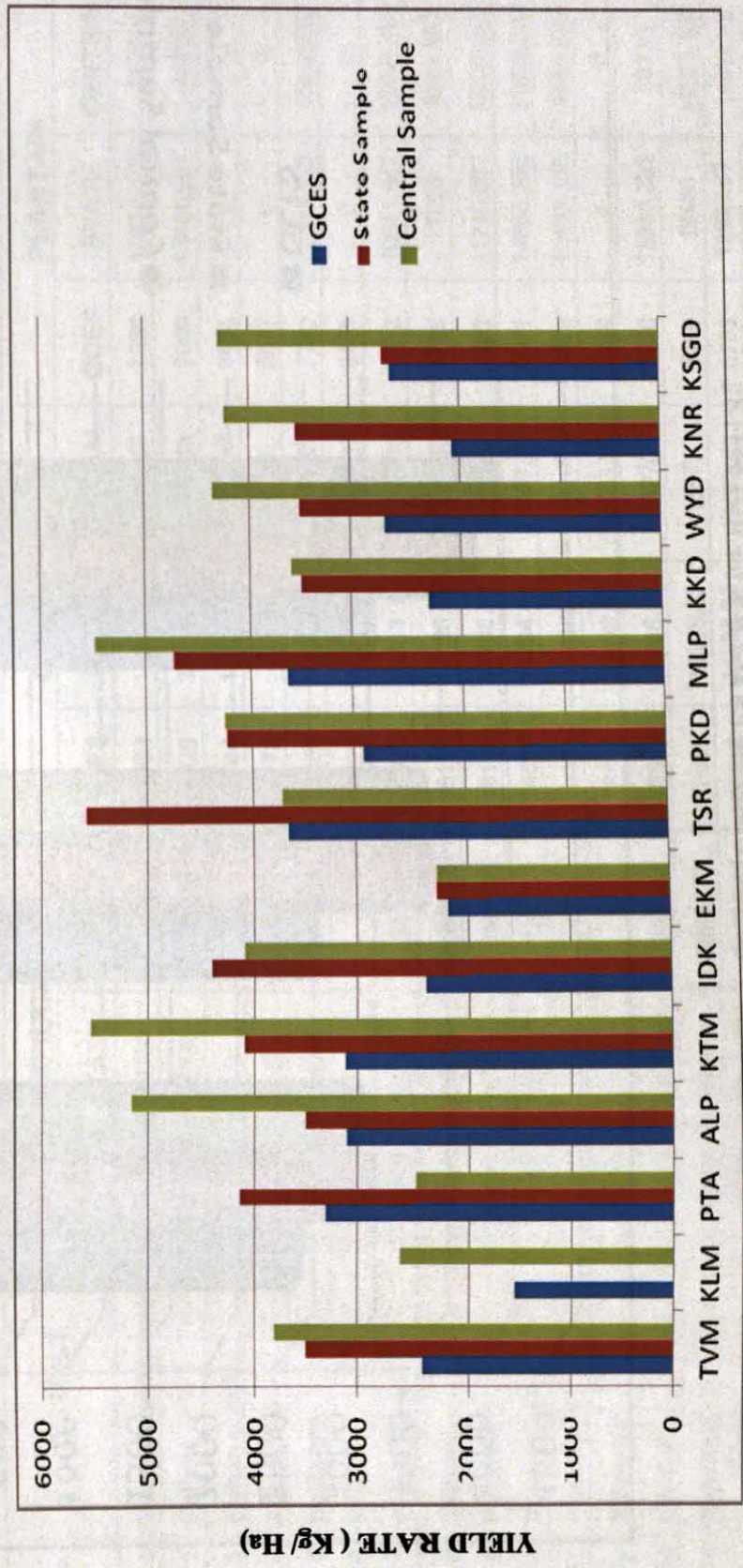
Chart-2  
Trend of Yield Rates Under ICS and CES  
Winter Rice Yield Rate 2011-12



District



Chart-3  
Trend of Yield Rates Under ICS and CES  
Summer Rice Yield Rate 2011-12

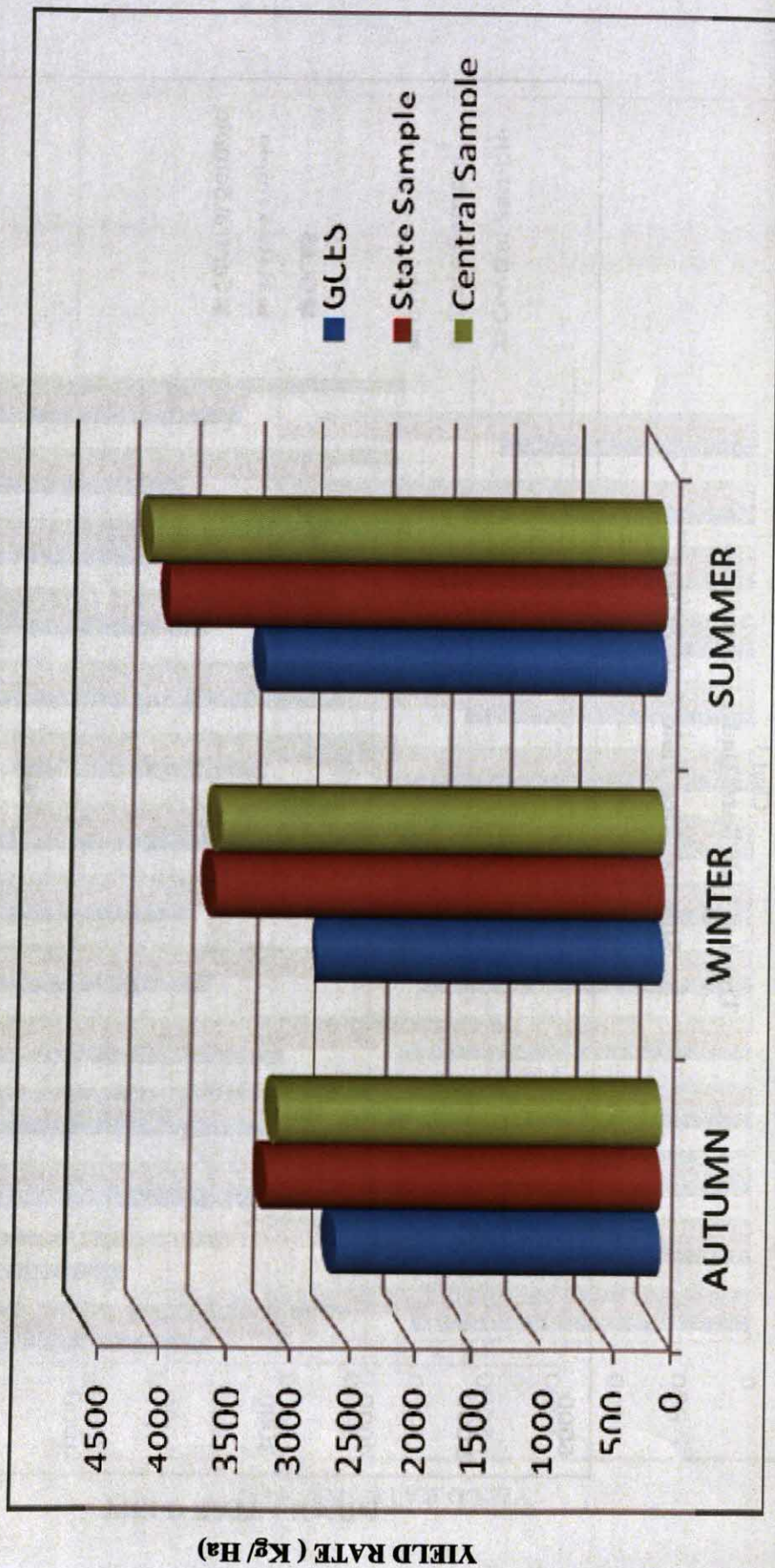


District



Chart-4

State Wise Yield Rate Under GCES and ICS for Rice 2011-12



Season



Table 17(ii)

## Yield Rate(Kg/Ha) of Important Crops Under GCES and ICS 2011-12

SI.No.	DISTRICT	TAPIOCA			BANANA			PLANTAIN		
		GCES	STATE	CENTRAL	GCES	STATE	CENTRAL	GCES	STATE	CENTRAL
1	Thiruvananthapuram	30616	26750	33750	11932	14766.67	15616.67	7588	15633.333	21300
2	Kollam	31169	45750	28937.5	14536	15983.33	11608.33	7080	13436.667	20400
3	Pathanamthitta	38783	0	0	15994	18166.67	14666.67	9685	0	0
4	Alappuzha	24919	0	0	15770	11900	14775	5577	0	0
5	Kottayam	35478	54375	28437.5	16053	17341.67	20641.67	7772	12383.333	15416.667
+6	Idukki	41320	0	0	16723	25450	18416.67	9479	0	0
7	Eranakulam	39358	23375	28412.5	16025	14933.33	13933.33	7472	16841.667	15541.667
8	Thrissur	36784	35000	14593.75	16187	16166.67	15208.33	5720	17025	8561.667
9	Palakkad	30189	26125	32906.25	16126	14788.89	14996.67	7461	11716.667	16133.333
10	Malappuram	35148	18937.5	18125	14828	14794.44	13197.78	5011	14383.333	21808.333
11	Kozhikode	21732	25375	15750	14075	16550	11305	3979	10133.333	7188.333
12	Wayanad	49429	0	0	15875	20466.67	15633.33	8340	0	0
13	Kannur	38431	25625	38750	15517	19866.67	16270	3636	13283.333	10725
14	Kasargod	24849	14375	46843.75	16969	15108.33	15575	5146	13450	12033.333
	<b>State</b>	<b>34194</b>	<b>29568.75</b>	<b>28650.63</b>	<b>15689</b>	<b>16738.33</b>	<b>15062.78</b>	<b>6783</b>	<b>13828.67</b>	<b>14910.83</b>



Table 17(iii)

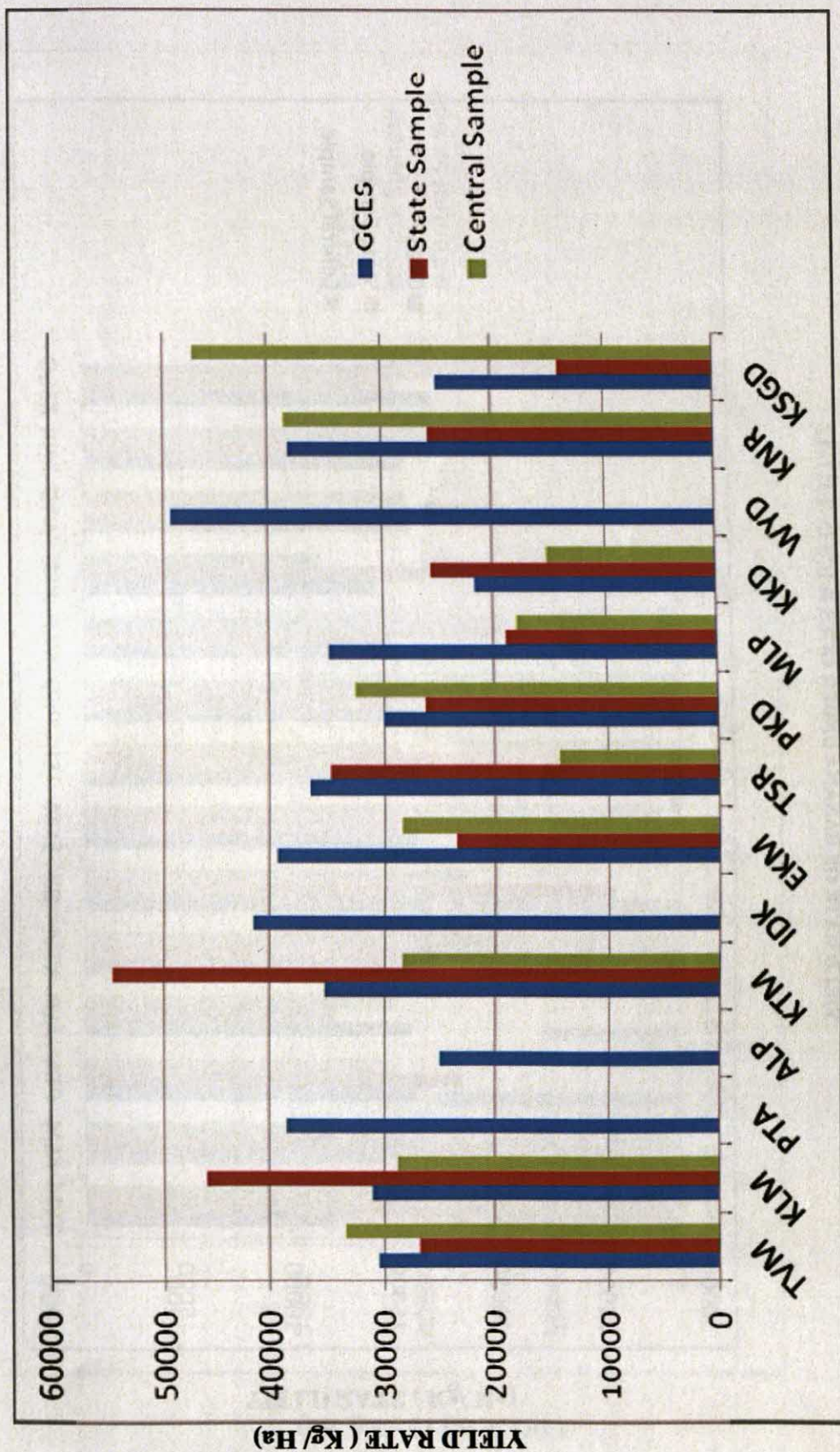
## Yield Rate(Kg/Ha) of Important Crops Under GCES and ICS 2011-12

Sl.No.	DISTRICT	PEPPER			ARECANUT		
		GCES	STATE	CENTRAL	GCES	STATE	CENTRAL
1	Thiruvananthapuram	422	584.41	145.74	510	891.69	902.26
2	Kollam	359	412.64	373.96	821	843.4	703.091
3	Pathanamthitta	496	0	0	619	0	0
4	Alappuzha	188	0	0	408	0	0
5	Kottayam	343	411.91	281.39	728	1054.73	936.16
6	Idukki	528	0	0	925	0	0
7	Eranakulam	252	221.81	429.51	939	833.37	1222.866
8	Thrissur	358	609.71	829.13	666	1414.8	812.242
9	Palakkad	340	232.26	408.24	1255	1338.12	1300.212
10	Malappuram	201	179.47	487.25	1163	1626.57	727.51
11	Kozhikode	180	152.33	269.67	1069	995.76	1328.848
12	Wayanad	320	0	0	525	0	0
13	Kannur	389	186.61	542.8	1303	915.12	2226.696
14	Kasargod	804	1386.78	837.93	1951	1395.12	1147.189
	<b>State</b>	<b>445</b>	<b>437.79</b>	<b>460.56</b>	<b>1163</b>	<b>1130.87</b>	<b>1130.71</b>



Chart-5

YIELD RATE OF TAPIOCA UNDER GCES & ICS IN 2011-12

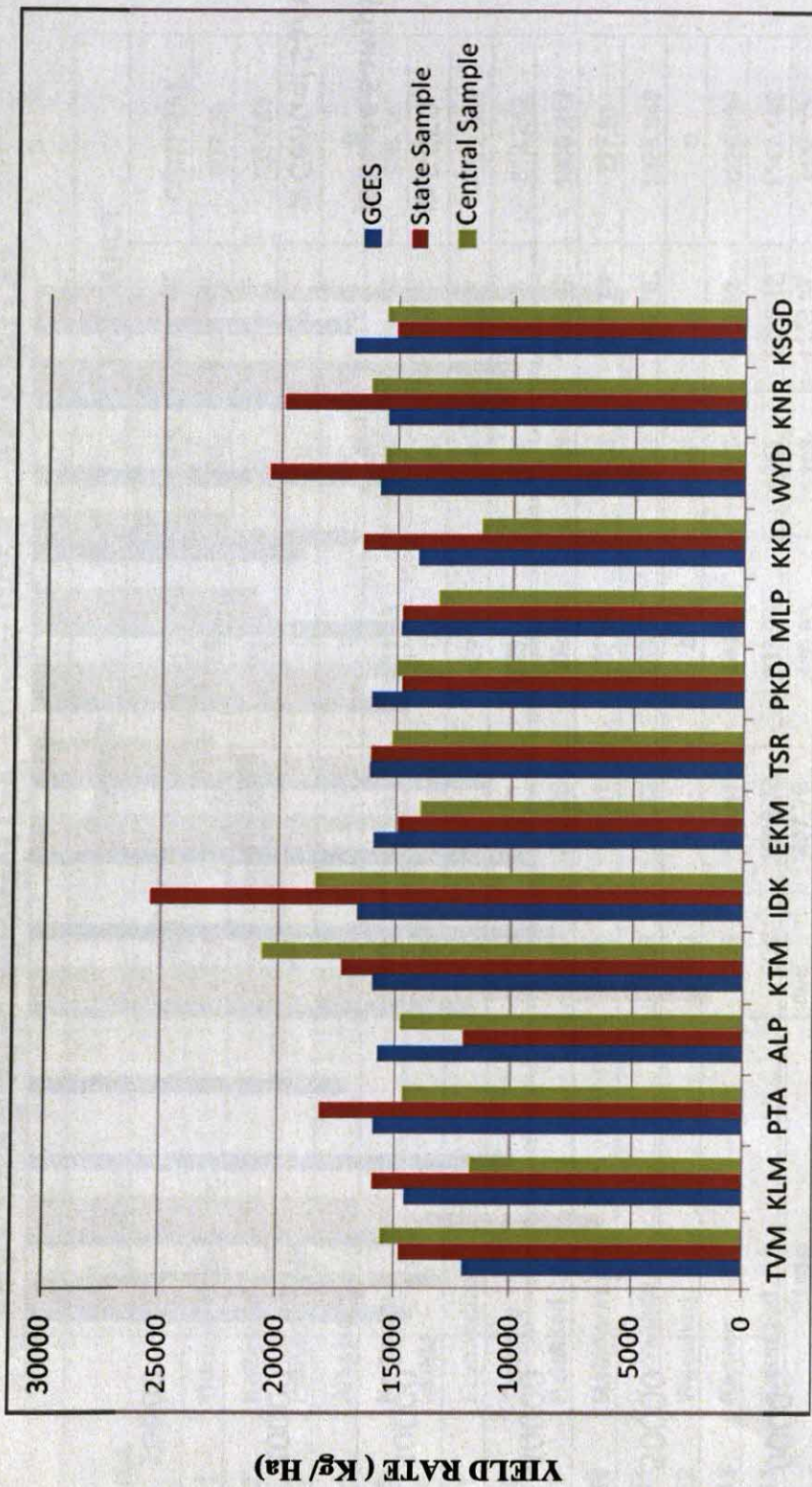


Districts



Chart-6

**YIELD RATE OF BANANA UNDER GCES & ICS IN 2011-12**

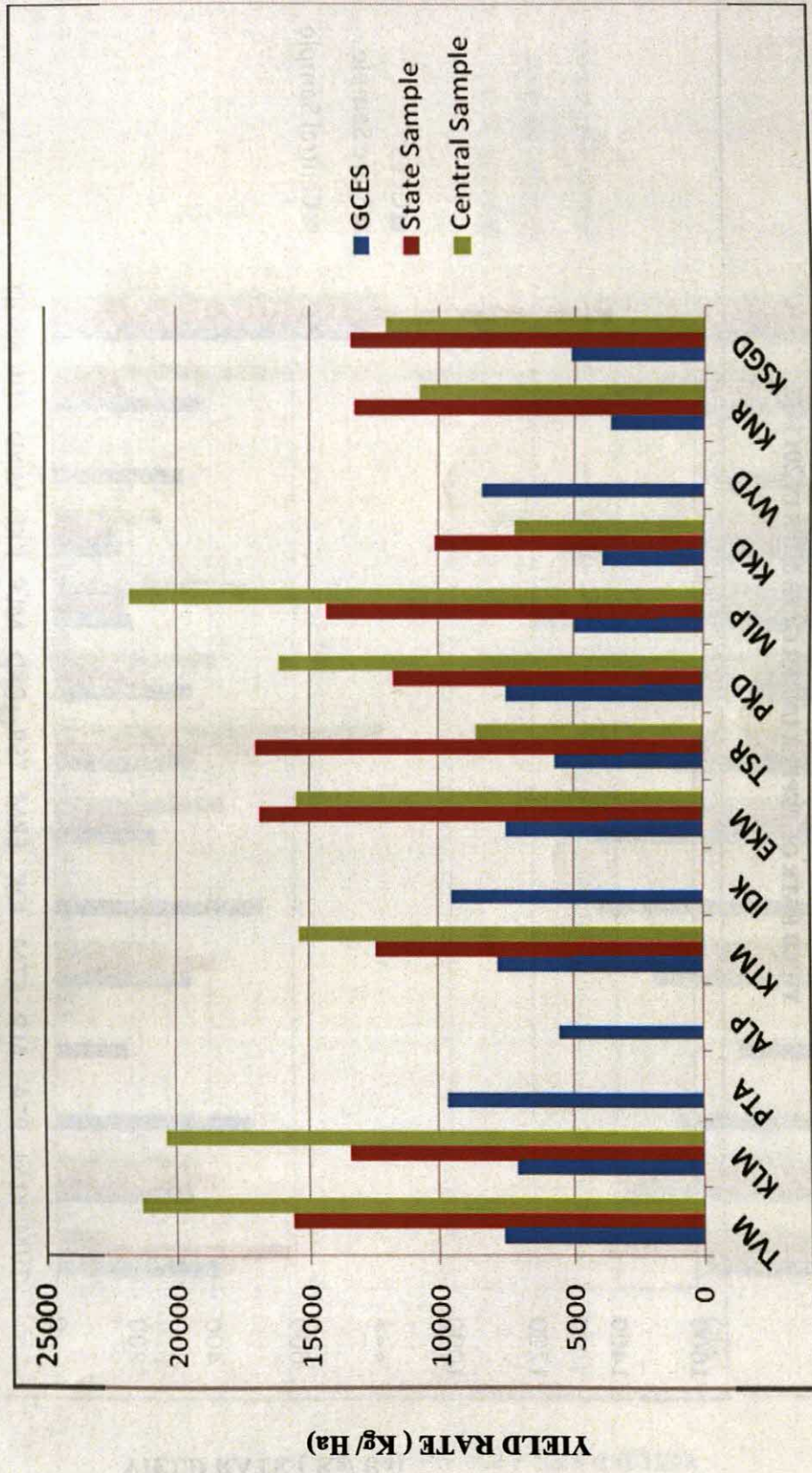


Districts



Chart-7

**YIELD RATE OF PLANTAIN UNDER GCES & ICS IN 2011-12**

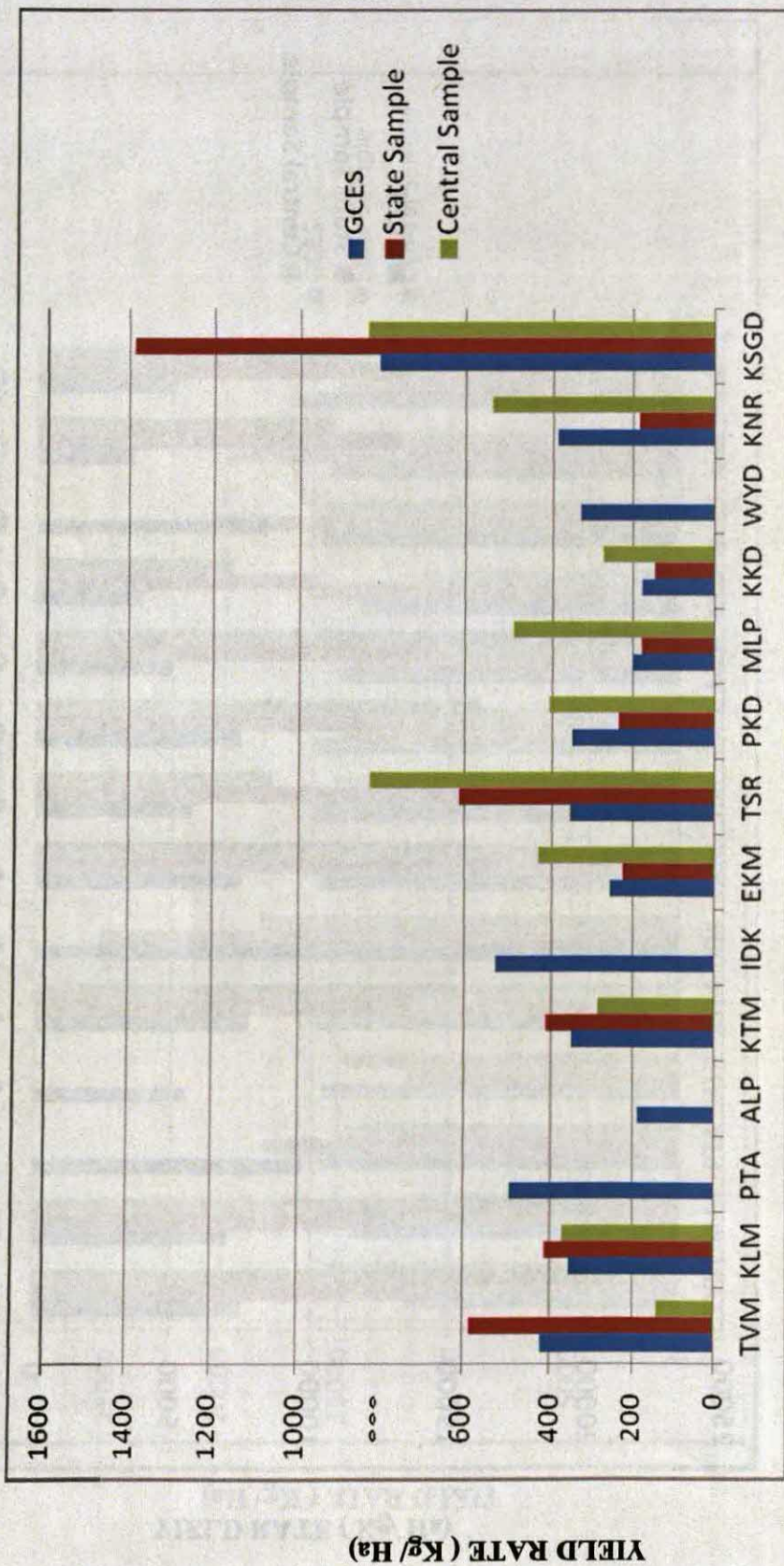


Districts



Chart-8

**YIELD RATE OF PEPPER UNDER GCES & ICS IN 2011-12**

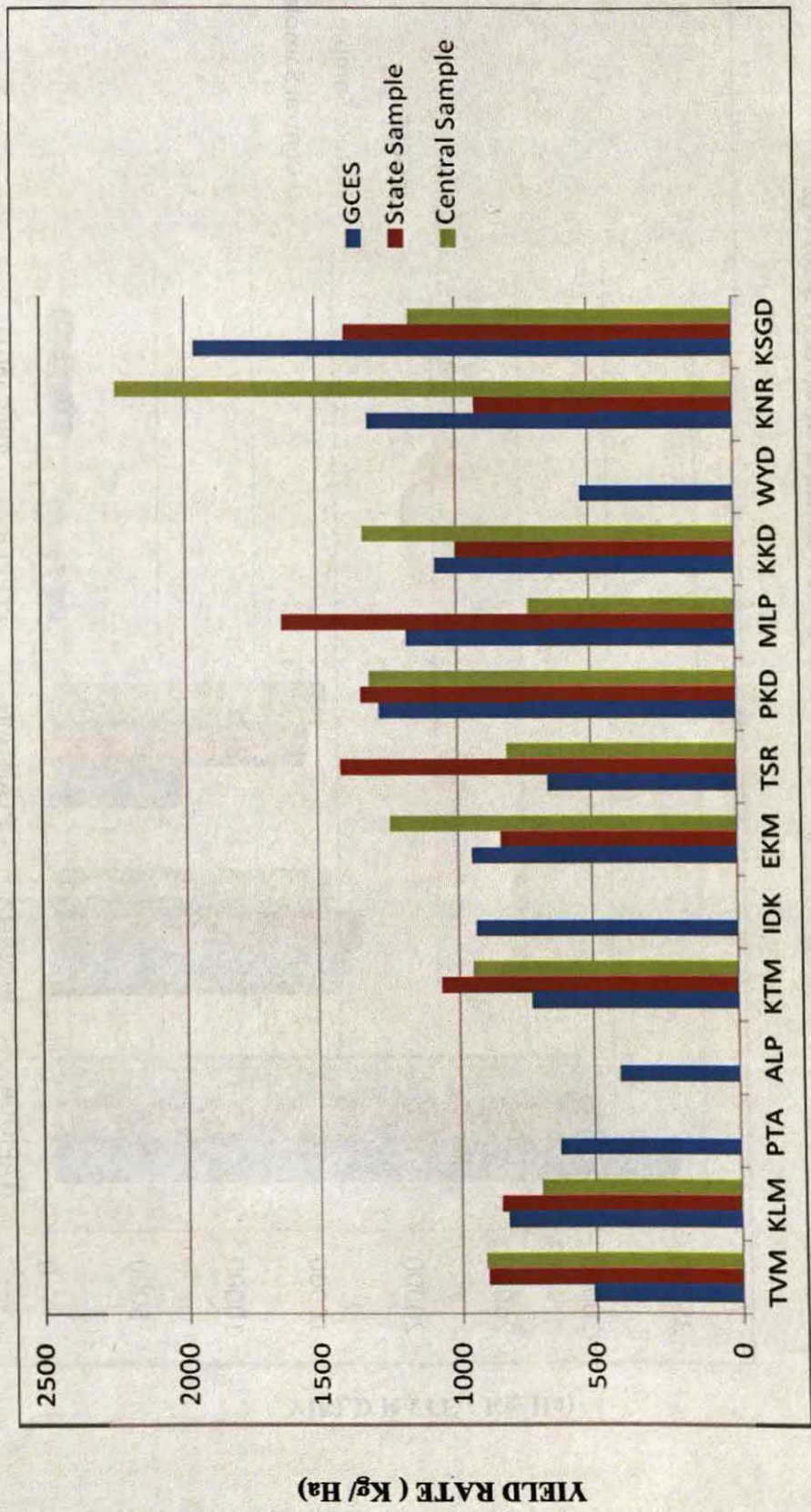


Districts



Chart-9

**YIELD RATE OF ARECANUT UNDER GCES & ICS IN 2011-12**

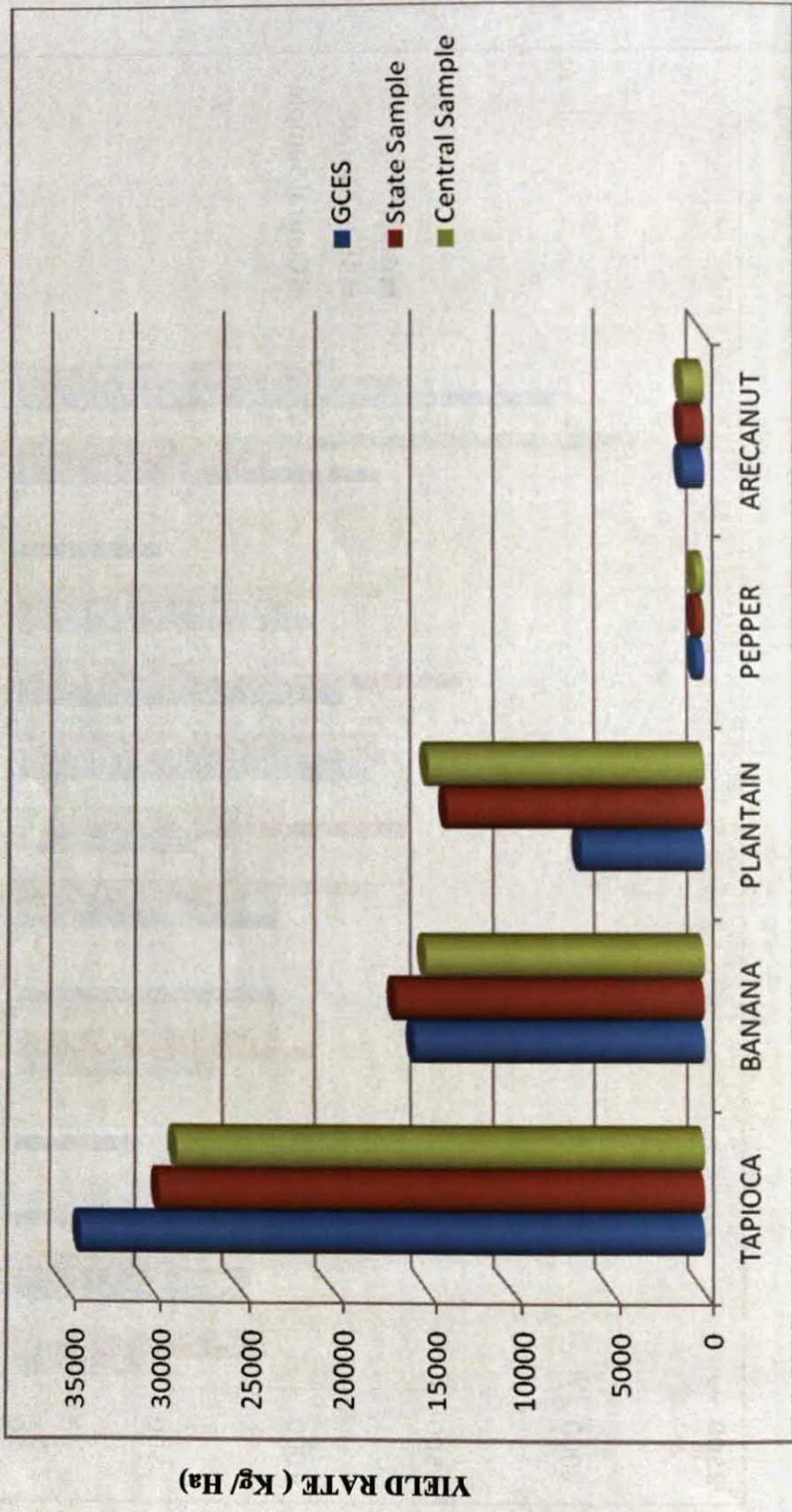


Districts



Chart-10

STATE WISE YIELD RATES OF IMPORTANT CROPS UNDER GCES & ICS 2011-12



Crops

44



